

IMPLEMENTATION OF SCOPE OF WORK

A 30-foot square grid approximately 330 feet long by 150 feet wide was established north of the storage building and south of the berm in the proposed generator construction area on the Algonquin Gas property as shown on Figure 2. The grid resulted in 55 boring locations. Four additional locations were added in areas of blue/green surface soil staining. Due to underground utilities, seven locations were eliminated. Twelve of the 59 boring locations were completed with temporary groundwater sampling points. A thirteenth groundwater sampling point was eliminated due to underground utilities.

Analytical protocols were based on those historically used in investigating this site and those for which remedial objectives are established in the Remedial Action Work Plan (RAWP) for the Providence Gas remediation project on the adjacent property to the north. One *surface* soil sample was analyzed from each boring location for the following parameters:

- 13 Priority Pollutant Metals and Barium and Iron Method KAP/HGA/CV,
- Total Cyanide Method 335.2/335.3,
- Pesticides Method 608/8081A,
- Polychlorinated Biphenyls (PCB) Method 608/8082
- Total Petroleum Hydrocarbons by Gas Chromatography (TPH-GC) Method 8100M,
- Volatile Organic Compounds (VOC) Method 8260/5035, and
- Semi-Volatile Organic Compounds (SVOC) Method 8270.

A minimum of one discrete *subsurface* soil sample was collected from each boring from the interval spanning from 2 feet below ground surface (bgs) to the observed water table. In most cases, the water table was observed between 6 feet bgs to 9 feet bgs. No soil compositing was conducted. Subsurface soil samples were chosen based on the following protocols. A Photoionization Detector (PID) was used to determine field headspace results for the surface samples. All surface soil samples were analyzed. For subsurface PID readings, the PID was slowly moved across the length of the acetate samplers immediately upon opening. The location with the highest PID reading was selected for analysis of VOCs and SVOCs. In the absence of any elevated PID readings, a soil sample from immediately above the water table was analyzed for VOCs and SVOCs. Subsurface soil samples indicative of cyanide-impacted soil or waste (i.e. based on visual discoloration) were analyzed for 13 priority pollutant metals including barium and iron and total cyanide. In the absence of any discolored soil, a sample selection was at the discretion of the field supervisor. Subsurface soil samples suggestive of oil or other petroleum residue were analyzed for TPH-GC and PCBs. In the absence of any discolored or suspect petroleum-impacted soil, a soil sample from immediately above the water table was chosen. A total of 119 surface and subsurface soil samples, including 11 duplicate samples, were taken. Decontamination of sampling equipment was performed between each sampling event. The down hole equipment was decontaminated after each hole.

A total of 12 groundwater samples plus two duplicates were retrieved at the boring locations shown on the attached sketch. Groundwater samples were analyzed for the following parameters:

- 13 Priority Pollutant Metals and Barium and Iron Method KAP/HGA/CV,
- Dissolved Cyanide Method 335.2/335.3,
- Volatile Organic Compounds (VOC) Method 8260/5035, and
- Semi-Volatile Organic Compounds (SVOC) Method 8270.

Additionally, three samples from locations 16, 18 and 38 were analyzed for TPH-GC due to the olfactory and visual observations of the groundwater.

SUMMARY OF OBSERVATIONS AND ANALYTICAL RESULTS - SOIL

The soils were uniform throughout the Site. The top 2 feet of soil was observed to consist of fine to medium brown sand and gravel with traces of brick and cinder debris. In general, the subsurface soils were observed to be fine to medium grained brown/gray silty sand and gravel. Several locations had pockets of rust/brown and blue/green colored soils similar to the surface samples. Some soil exhibited a petroleum odor just below the observed water table. This soil was dark black in color but not visually petroleum saturated. One sample was taken of this soil for characterization even though it was below the observed water table. This sample is identified as A4S37 EX in tables 1a, 2a, 3a, 4a, and 5a.

The analytical results were compared to the RAWP objectives where established. Where no RAWP objective existed, concentrations were compared to the RIDEM Direct Exposure Criteria for surface soil samples, GB Leachability Criteria for subsurface soil samples, and GB Groundwater Objectives for the groundwater sampling as listed in the remediation regulations. The analysis produced the following results. Surface VOCs, pesticides, PCBs, and subsurface TPH, VOCs, SVOCs, and PCBs did not reveal results above the aforementioned objectives. RIDEM does not have objectives for subsurface metals. Two surface exceedances were noted for TPH and a number of surface exceedances for SVOCs and metals. The SVOCs were primarily polynuclear aromatic hydrocarbons (PAHs). The surface metal exceedances were all for arsenic. Refer to the attached drawings for specific locations and constituent results.

SUMMARY OF OBSERVATIONS AND ANALYTICAL RESULTS - GROUNDWATER

Twelve groundwater samples were retrieved from temporary monitoring wells installed during this site investigation. Prior to retrieving the groundwater samples, the water level in the wells were determined and the water checked for floating product using oil/water interface probe.

If the groundwater was observed to have a petroleum type sheen, a TPH sample was also taken. Sheens were observed in samples taken from A4A18 and A4A38, refer to Table 1b. Currently, RIDEM does not have GB Groundwater Objectives for TPH. One location (sample A4A18 on Table 2b) did exceed the RIDEM of GB Groundwater Objective for Benzene. No other analysis result was above the RIDEM groundwater objectives.

REMEDIATION ALTERNATIVE

Based on the analytical results, ESS contacted RIDEM to discuss remediation or encapsulation strategies. RIDEM indicated that the areas of surface soil exceedance could be remediated or encapsulated in accordance with the following:

1. Impacted soil covered with a minimum of 2 feet of clean fill that is to be permanently maintained;
2. Excavate the top 2 feet of impacted soil and backfill with clean fill that is to be permanently maintained; or
3. Excavate the top 1 foot of impacted soil, backfill with clean fill, and cover with asphalt consisting of two, 4-inch lifts of asphalt.

Due to the nature of the construction activities proposed in the area by Algonquin, a combination of remediation and encapsulation by Items 1 and 3 above was utilized. In general, the remedy consisted of the following tasks. Each task is noted as completed or not completed.

1. Excavate 1 foot of impacted soil in impacted areas not proposed to be filled – This task was completed by PGC on August 6, 1999. Impacted soil was removed to the Material Handling Area (MHA).
2. Backfill excavation with clean fill – This task was completed by Algonquin/Duke on August 16, 1999.
3. Pave excavated area with two, 4-inch asphalt lifts – This task is to be completed by Algonquin/Duke.
4. Cover and grade remaining impacted areas with a minimum of 2 feet of clean fill which is to be permanently maintained – This is being completed by Algonquin/Duke.

Upon completion of the above tasks ESS will immediately provide RIDEM with notification.

As you are aware, Algonquin has provided both ESS and RIDEM with information concerning the backfill they have used at the Site. In reviewing the analytical data we have verified that the results conform with the remedial objectives established in the RAWP. However, the analytical data for the backfill used in the Western Compressor Area reveals that it is contaminated with heavy metals and polynuclear aromatic hydrocarbons (PAHs) that exceed the standards in the

Rhode Island Rules and Regulations for the Remediation of Hazardous Materials Releases (the Remediation Regulations). The presence of this contamination was discussed with RIDEM. Since this backfill complied with the RAWP Remedial Objectives, and the area will be subject to an Environmental Land Usage Restriction, the RIDEM has indicated that they will allow the backfill to remain. PGC has informed Algonquin in writing of their requirement that Algonquin find a source of clean backfill for future use at the Site.

Upon completion of excavation, and prior to backfilling the area, ESS performed verification sampling across the remediated area. Verification sampling was performed along the western, southern and eastern sides of the excavation at 15-foot intervals between sample points where previously-impacted soils were identified. The verification samples were only analyzed for the constituent that exceeded the objectives in the original investigation. No samples were taken along the northern boundary because this area was identified as being the area to be filled not excavated. Figure 13 shows the location of verification sampling.

ETHYLENE GLYCOL SPILL

On August 25, 1999 ESS was contacted by representatives of Algonquin concerning a spill of ethylene glycol that occurred from the existing vaporizer pad. Algonquin informed us that approximately 100 gallons of 50/50 ethylene glycol and water mixture was released from the vaporizers to the remediated area of the western compressor area. We informed Algonquin to notify the RIDEM about the spill. Algonquin personnel informed us that notification was made to the RIDEM on August 26, 1999. They further informed us that they removed approximately 30 cubic yards of impacted soil from the area and collected five post excavation samples for ethylene glycol analysis. Post excavation contaminant concentrations ranged from 15 to 11,000 parts per million (ppm) according to Algonquin. On September 2, 1999, ESS spoke with RIDEM concerning the release and agreed that Algonquin would conduct additional excavation in the vicinity of the 11,000 ppm concentration area.

ESS informed Algonquin of this both verbally and in writing on September 3, 1999 that additional soil needed to be removed in the area of the 11,000 ppm concentration

Algonquin removed an additional 10 yards of soil from the entire eastern face of the excavation. Post excavation sample results showed concentration levels below the upper concentration limit (UCL) for hazardous substances (ie., 10,000 ppm). The excavation was backfilled after the laboratory results were received. According to Algonquin personnel, the glycol-impacted soil was properly disposed of off-site.

ESS will immediately inform RIDEM when Algonquin has completed this work.

CONCLUSIONS

The investigation and remediation of the impacted portions of the Western Compressor Area have been completed. Backfilling of the area has commenced, but is not complete at the time of this writing. Upon completion of these activities, ESS will immediately notify the RIDEM. An ELUR will be applied to this area.

If you have any questions concerning the information provided in this letter, please contact either of the undersigned at (401) 421-0398. Thank you for your continued support of this project, and your availability both by teleconference and field inspection.

Sincerely,

ENVIRONMENTAL SCIENCE SERVICES, INC.



Gary S. Kaufman
Project Manager



Suzanne C. Courtemanche
Principal

C: H. Bishop, PGC
G. Munroe, PGC – without attachments
B. Birch, PGC – without attachments
M. Donegan, MNB

TABLES

Table 1b
Groundwater Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | | Sample Date | Total Petroleum Hydrocarbons (mg/l) |
|-------------------------|--------------------------------------|-------------|-------------------------------------|
| A4A18 | | 07/13/99 | 60 |
| A438 | | 07/13/99 | 3.8 |
| Method Blank, F0714-BW1 | | 07/13/99 | .4 U |
| RAWP Objectives | | 0' - 2' | 2500 |
| | | > 2' - 10' | 30000 |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) | 0' - 2' | 2500 |
| | GB Leachability Criteria | > 2' - 10' | 2500 |

U = Not Detected

mg/l = Milligrams per Liter = Parts per Million (ppm)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 1a
Soil Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | Sample Date | Total Petroleum Hydrocarbons (mg/Kg) | |
|--------------------------|--------------------------------------|--------------------------------------|-------|
| A4S56(0-2) | 07/14/99 | 1100 | U |
| A4S56(6-10) | 07/14/99 | 1000 | U |
| A4S57(0-2) | 07/14/99 | 1000 | U |
| A4S57(6-10) | 07/14/99 | 1100 | U |
| A4S58(0-2) | 07/14/99 | 1100 | U |
| A4S58(6-10) | 07/14/99 | 1100 | U |
| A4S59(0-2) | 07/14/99 | 970 | U |
| A4S59(6-10) | 07/14/99 | 970 | U |
| Method Blank, TB0716-BS2 | 07/14/99 | 1000 | U |
| RAWP Objectives | | 0' - 2' | 2500 |
| | | > 2' - 10' | 30000 |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) | 0' - 2' | 2500 |
| | GB Leachability Criteria | > 2' - 10' | 2500 |

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Table 1a
Soil Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | Sample Date | Total Petroleum Hydrocarbons (mg/Kg) | |
|--------------------------|--------------------------------------|--------------------------------------|------|
| A4S37(0-2) | 07/14/99 | 1100 U | |
| A4S37(6-10) | 07/14/99 | 1100 U | |
| A4S37(6-10)EX | 07/14/99 | 4500 | |
| A4S39(0-2) | 07/14/99 | 1100 U | |
| A4S39(0-2) DUP | 07/14/99 | 1100 U | |
| A4S40(0-2) | 07/14/99 | 980 U | |
| A4S40(6-10) | 07/14/99 | 1000 U | |
| A4S41(0-2) | 07/14/99 | 1100 U | |
| A4S41(6-10) | 07/14/99 | 1100 U | |
| A4S42(0-2) | 07/14/99 | 1100 U | |
| A4S42(6-10) | 07/14/99 | 960 U | |
| A4S43(0-2) | 07/14/99 | 1100 U | |
| A4S43(6-10) | 07/14/99 | 1000 U | |
| A4S44(0-2) | 07/14/99 | 990 U | |
| A4S44(6-10) | 07/14/99 | 1100 U | |
| A4S44(6-10) DUP | 07/14/99 | 1100 U | |
| A4S39(6-10) | 07/14/99 | 1100 U | |
| A4S39(6-10) DUP | 07/14/99 | 1100 U | |
| Method Blank, TB0716-BS1 | 07/14/99 | 1000 U | |
| RAWP Objectives | 0' - 2' | 2500 | |
| | > 2' - 10' | 30000 | |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) | 0' - 2' | 2500 |
| | GB Leachability Criteria | > 2' - 10' | 2500 |

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Table 1a
Soil Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | | Sample Date | Total Petroleum Hydrocarbons (mg/Kg) |
|-------------------------|--------------------------------------|-------------|--------------------------------------|
| A4-S27(0-2) DUP | | 07/13/99 | 2200 |
| A4-S27(0-2) | | 07/13/99 | 2800 |
| A4-S27(6-10) | | 07/13/99 | 2000 |
| A4-S28(0-2) DUP | | 07/13/99 | 1100 U |
| A4-S28(2-6) DUP | | 07/13/99 | 4200 |
| A4-S28(0-2) | | 07/13/99 | 1000 U |
| A4-S28(2-6) | | 07/13/99 | 13000 |
| A4-S29(0-2) | | 07/13/99 | 990 U |
| A4-S29(6-10) | | 07/13/99 | 1000 U |
| A4-S30(0-2) | | 07/13/99 | 1100 U |
| A4-S30(6-10) | | 07/13/99 | 1100 U |
| A4-S31(0-2) | | 07/13/99 | 1000 U |
| A4-S31(6-10) | | 07/13/99 | 1100 U |
| A4-S32(0-2) | | 07/13/99 | 3300 |
| A4-S32(2-6) | | 07/13/99 | 990 U |
| A4-S33(6-10) | | 07/13/99 | 1000 U |
| A4-S34(0-2) | | 07/13/99 | 960 U |
| A4-S35(0-2) | | 07/13/99 | 960 U |
| A4-S24(2-6) | | 07/13/99 | 970 U |
| A4-S26(0-2) | | 07/13/99 | 1000 U |
| A4-S26(6-10) | | 07/13/99 | 1100 U |
| A4-S33(0-2) | | 07/13/99 | 1000 U |
| A4-S22(0-2) | | 07/13/99 | 1100 U |
| A4-S34(6-10) | | 07/13/99 | 990 U |
| A4-S22(2-6) | | 07/13/99 | 1000 U |
| A4-S35(6-10) | | 07/13/99 | 1100 U |
| Method Blank, F0714-BS2 | | 07/13/99 | 13 U |
| Method Blank, F0714-BS3 | | 07/13/99 | 13 U |
| RAWP Objectives | | 0' - 2' | 2500 |
| | | > 2' - 10' | 30000 |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) | 0' - 2' | 2500 |
| | GB Leachability Criteria | > 2' - 10' | 2500 |

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Table 1a
Soil Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | Sample Date | Total Petroleum Hydrocarbons (mg/Kg) | |
|-------------------------|--------------------------------------|--------------------------------------|----------|
| A4S13(0-2) | 07/12/99 | 980 | U |
| A4S13(6-10) | 07/12/99 | 1000 | U |
| A4S14(0-2) | 07/12/99 | 1000 | U |
| A4S14(0-2) DUP | 07/12/99 | 980 | U |
| A4S14(2-6) | 07/12/99 | 1100 | U |
| A4S19(0-2) | 07/12/99 | 1000 | U |
| A4S19(6-10) | 07/12/99 | 1000 | |
| A4S20(0-2) | 07/12/99 | 980 | U |
| A4S20(2-6) | 07/12/99 | 1200 | U |
| A4S20(2-6) DUP | 07/12/99 | 7700 | |
| A4S21(0-2) | 07/12/99 | 990 | U |
| A4S21(6-10) | 07/12/99 | 1000 | U |
| A4S24(0-2) | 07/12/99 | 860 | U |
| A4S36(6-10) | 07/12/99 | 1000 | U |
| A4S38(2-4) | 07/12/99 | 1000 | U |
| A4S38(2-4) DUP | 07/12/99 | 1000 | U |
| A4S38(6-10) | 07/12/99 | 1000 | U |
| A4S45(2-6) | 07/12/99 | 1100 | U |
| A4S36(0-2) | 07/12/99 | 1000 | U |
| A4S38(0-2) | 07/12/99 | 1000 | U |
| A4S45(0-2) | 07/12/99 | 990 | U |
| Method Blank, F0714-BS1 | 07/12/99 | 1000 | U |
| Method Blank, F0714-BS2 | 07/12/99 | 1000 | U |
| RAWP Objectives | | 0' - 2' | 2500.00 |
| | | > 2' - 10' | 30000.00 |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) | 0' - 2' | 2500.00 |
| | GB Leachability Criteria | > 2' - 10' | 2500.00 |

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Table 1a
Soil Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | Sample Date | Total Petroleum Hydrocarbons (mg/Kg) |
|------------------------|---|--------------------------------------|
| A4S5(6-10) | 07/12/99 | 1000 U |
| A4S8(0-2) | 07/12/99 | 1000 U |
| A4S8(6-10) | 07/12/99 | 1000 U |
| A4S9(2-6) | 07/12/99 | 1200 U |
| A4S9(0-2) | 07/12/99 | 1000 U |
| A4S16(0-2) | 07/12/99 | 1100 U |
| A4S16(6-10) | 07/12/99 | 1100 U |
| A4S17(0-2) | 07/12/99 | 1100 |
| A4S17(6-10) | 07/12/99 | 4500 |
| A4S18(0-2) | 07/12/99 | 1500 |
| A4S18(6-10) | 07/12/99 | 11000 |
| A4S18(6-10) DUP | 07/12/99 | 29000 |
| A4S48(2-6) | 07/12/99 | 1200 U |
| A4S48(2-6) DUP | 07/12/99 | 1100 U |
| A4S49(6-10) | 07/12/99 | 1000 U |
| A4S50(6-10) | 07/12/99 | 970 U |
| A4S51(2-6) | 07/12/99 | 1000 U |
| A4S47(0-2)DUP | 07/12/99 | 1100 U |
| A4S46(0-2) | 07/12/99 | 1000 U |
| A4S47(0-2) | 07/12/99 | 940 U |
| A4S48(0-2) | 07/12/99 | 1100 U |
| A4S47(2-6) | 07/12/99 | 1000 U |
| A4S49(0-2) | 07/12/99 | 1000 U |
| A4S50(0-2) | 07/12/99 | 1100 U |
| A4S46(2-6) | 07/12/99 | 1000 U |
| ethod Blank. F0713-BS1 | 07/12/99 | 1000 U |
| ethod Blank, F0713-BS2 | 07/12/99 | 1000 U |
| RAWP Objectives | 0' - 2' | 2500 |
| | > 2' - 10' | 30000 |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) 0' - 2' | 2500 |
| | GB Leachability Criteria > 2' - 10' | 2500 |

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Table 1a
Soil Quality Summary-TPH
Proposed Algonquin Generator Area

| Sample ID | Sample Date | Total Petroleum Hydrocarbons (mg/Kg) |
|------------------------|---|--------------------------------------|
| A4-S1(6-10) | 07/12/99 | 1100 U |
| A4-S1(2-6) | 07/12/99 | 1000 U |
| A4-S2(6-10) | 07/12/99 | 980 U |
| A4-S3(2-6) | 07/12/99 | 970 U |
| A4-S3(6-10) | 07/12/99 | 980 U |
| A4-S1(0-2) | 07/12/99 | 1000 U |
| A4-S2(0-2) | 07/12/99 | 990 U |
| A4-S3(0-2) | 07/12/99 | 980 U |
| A4-S4(0-2) | 07/12/99 | 960 U |
| A4-S5(0-2) | 07/12/99 | 1000 U |
| A4-S51(0-2) | 07/12/99 | 1100 U |
| A4-S52(0-2) | 07/12/99 | 1000 U |
| A4-S53(0-2) | 07/12/99 | 1100 U |
| A4-S54(0-2) | 07/12/99 | 1000 U |
| A4-S55(0-2) | 07/12/99 | 1000 U |
| A4-S55(6-10) | 07/12/99 | 1000 U |
| A4-S55(2.5-6) | 07/12/99 | 1000 U |
| A4-S52(2-6) | 07/12/99 | 990 U |
| A4-S54(6-10) | 07/12/99 | 1100 U |
| A4-S4(6-10) | 07/12/99 | 990 U |
| A4-S54(2-6) | 07/12/99 | 1100 U |
| A4-S53(6-10) | 07/12/99 | 1000 U |
| ethod Blank, F0712-BS1 | 07/12/99 | 1000 U |
| ethod Blank, F0712-BS2 | 07/12/99 | 1000 U |
| RAWP Objectives | 0' - 2' | 2500 |
| | > 2' | 30000 |
| RIDEM Objectives | Direct Exposure Criteria (Ind./Com.) 0' - 2' | 2500 |
| | GB Leachability Criteria > 2' | 2500 |

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Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|----------------------------|-------|-----------------|------------|--------------------------|--------------------------|-------------|------------|-------------|------------|-------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4-S1(6-10) | A4-S1(2-6) | A4-S2(6-10) | A4-S3(2-6) | A4-S3(6-10) | A4-S1(0-2) | A4-S2(0-2) | A4-S3(0-2) | A4-S4(0-2) | A4-S5(0-2) | A4-S51(0-2) | A4-S52(0-2) | A4-S53(0-2) | A4-S54(0-2) | A4-S55(0-2) | A4-S55(6-10) | A4-S55(2.5-6) |
| Sample ID | | | | | | 61293001 | 61293002 | 61293003 | 61293004 | 61293005 | 61293006 | 61293007 | 61293008 | 61293009 | 61293010 | 61293011 | 61293012 | 61293013 | 61293014 | 61293015 | 61293016 | 61293017 |
| Lab ID | | | | | | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | | | | | | | | | | | | | | | | | |
| sec-Butylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| 4-Isopropyltoluene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| n-Butylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| 1,2-Dibromo-3-chloropropan | ug/Kg | NE | NE | 4100 | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 210 JB | 340 U | 220 U | 160 JB | 300 U | 330 JB | 310 U | 52 J | 88 J | 320 U | 250 U | 180 U | 220 J | 310 U | 57 J | 340 U | 280 U |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 340 U | 220 U | 340 U | 300 U | 350 U | 310 U | 230 U | 330 U | 320 U | 250 U | 180 U | 370 U | 310 U | 200 U | 340 U | 280 U |
| Surrogates: | | | | | | | | | | | | | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | % | | | | | 88 | 86 | 88 | 80 | 84 | 88 | 86 | 90 | 82 | 84 | 92 | 81 | 86 | 82 | 84 | 79 | |
| Bromofluorobenzene | % | | | | | 100 | 99 | 99 | 102 | 102 | 100 | 102 | 100 | 108 | 100 | 106 | 103 | 102 | 100 | 99 | 102 | |
| Dibromofluoromethane | % | | | | | 92 | 92 | 94 | 90 | 94 | 92 | 92 | 94 | 92 | 88 | 92 | 89 | 92 | 90 | 93 | 92 | |
| Toluene-d8 | % | | | | | 98 | 98 | 102 | 100 | 100 | 100 | 98 | 100 | 102 | 98 | 100 | 98 | 100 | 98 | 99 | 99 | |

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J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

E = Analyte concentration exceeded the Calibration Range.

JB = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and analyte also detected in the associated Method Blank.

EB = Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result |
|---------------------------|-------|-----------------|------------|--------------------------|--------------------------|-------------|--------------|-------------|-------------|--------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4-S52(2-6) | A4-S54(6-10) | A4-S4(6-10) | A4-S54(2-6) | A4-S53(6-10) |
| Sample ID | | | | | | 61293018 | 61293019 | 61293020 | 61293021 | 61293022 |
| Lab ID | | | | | | | | | | |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Dichlorodifluoromethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Chloromethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Vinyl Chloride | ug/Kg | NE | NE | 3000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Bromomethane | ug/Kg | NE | NE | 2900000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Chloroethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Trichlorofluoromethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1-Dichloroethene | ug/Kg | NE | NE | 9500 | 700 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Acetone | ug/Kg | NE | NE | 10000000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Iodomethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Carbon Disulfide | ug/Kg | NE | NE | NE | NE | 340 U | 480 | 260 U | 190 U | 200 U |
| Methylene Chloride | ug/Kg | NE | NE | 760000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| trans-1,2-Dichloroethene | ug/Kg | NE | NE | 10000000 | 92000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Methyl tert-butyl ether | ug/Kg | NE | NE | 10000000 | 1000000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1-Dichloroethane | ug/Kg | NE | NE | 10000000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Vinyl acetate | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| cis-1,2-Dichloroethene | ug/Kg | NE | NE | 10000000 | 60000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| 2,2-Dichloropropane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 2-Butanone | ug/Kg | NE | NE | 1000000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Bromochloromethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Chloroform | ug/Kg | NE | NE | 940000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1,1-Trichloroethane | ug/Kg | NE | NE | 10000000 | 160000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1-Dichloropropene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Carbon Tetrachloride | ug/Kg | NE | NE | 44000 | 5000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2-Dichloroethane | ug/Kg | NE | NE | 63000 | 2300 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Benzene | ug/Kg | 200000 | 43000 | 200000 | 4300 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Trichloroethene | ug/Kg | NE | NE | 520000 | 4200 | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2-Dichloropropane | ug/Kg | NE | NE | 84000 | 700000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Dibromomethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Bromodichloromethane | ug/Kg | NE | NE | 92000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 2-Chloroethyl vinyl ether | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| cis-1,3-Dichloropropene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 4-Methyl-2-pentanone | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Toluene | ug/Kg | 10000000 | 540000 | 10000000 | 54000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| trans-1,3-Dichloropropene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1,2-Trichloroethane | ug/Kg | NE | NE | 100000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,3-Dichloropropane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Tetrachloroethene | ug/Kg | NE | NE | 110000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 2-Hexanone | ug/Kg | NE | NE | 10000000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Dibromochloromethane | ug/Kg | NE | NE | 68000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2-Dibromoethane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Chlorobenzene | ug/Kg | NE | NE | 10000000 | 100000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1,1,2-Tetrachloroethane | ug/Kg | NE | NE | 220000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Ethylbenzene | ug/Kg | 10000000 | 620000 | 10000000 | 62000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Xylene (Total) | ug/Kg | 10000000 | 540000 | 10000000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Styrene | ug/Kg | NE | NE | 190000 | 64000 | 340 U | 320 U | 260 U | 190 U | 200 U |
| Bromoform | ug/Kg | NE | NE | 720000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Isopropylbenzene | ug/Kg | NE | NE | 10000000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,1,2,2-Tetrachloroethane | ug/Kg | NE | NE | 29000 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Bromobenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2,3-Trichloropropane | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| n-Propylbenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 2-Chlorotoluene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,3,5-Trimethylbenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 4-Chlorotoluene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| tert-Butylbenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2,4-Trimethylbenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------|--------------------------|--------------------------|-------------|--------------|-------------|-------------|--------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4-S52(2-6) | A4-S54(6-10) | A4-S4(6-10) | A4-S54(2-6) | A4-S53(6-10) |
| Sample ID | | | | | | 61293018 | 61293019 | 61293020 | 61293021 | 61293022 |
| Lab ID | | | | | | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | | | | | |
| sec-Butylbenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 4-Isopropyltoluene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| n-Butylbenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 68 JB | 320 U | 260 U | 190 U | 200 U |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 340 U | 320 U | 260 U | 190 U | 200 U |
| Surrogates: | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | % | | | | | | | | | |
| Bromofluorobenzene | % | | | | | | | | | |
| Dibromofluoromethane | % | | | | | | | | | |
| Toluene-d8 | % | | | | | | | | | |

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E = Analyte concentration exceeded the Calibration Range.

JB = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and analyte also detected in the associated Method Blank.

EB = Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

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RIDEM = Rhode Island Department of Environmental Management

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-----------------------------|-------|-----------------|------------|--------------------------|--------------------------|------------|-----------|------------|-----------|-----------|------------|-------------|-------------|------------|-------------|----------------|------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4S5(6-10) | A4S8(0-2) | A4S8(6-10) | A4S9(2-6) | A4S9(0-2) | A4S16(0-2) | A4S16(6-10) | A4S17(6-10) | A4S18(0-2) | A4S18(6-10) | A4S18(6-10)DUP | A4S48(2-6) |
| Sample ID | | | | | | 61296001 | 61296002 | 61296003 | 61296004 | 61296005 | 61296006 | 61296007 | 61296009 | 61296010 | 61296011 | 61296012 | 61296013 |
| Lab ID | | | | | | | | | | | | | | | | | |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| 1,1-Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 260 U | 310 U | 330 U | 300 U | 320 U | 300 U | 350 U | 390 U | 390 U | 270 U | 340 U | 360 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 260 U | 310 U | 330 U | 300 U | 320 U | 300 U | 350 U | 390 U | 390 U | 270 U | 340 U | 360 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 260 U | 310 U | 330 U | 300 U | 320 U | 300 U | 350 U | 390 U | 390 U | 270 U | 340 U | 360 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 260 U | 750 B | 1800 B | 300 U | 110 JB | 3300 B | 30000 EB | 290000 E | 160000 E | 300000 E | 310000 E | 750 B |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 260 U | 310 U | 330 U | 300 U | 320 U | 300 U | 350 U | 390 U | 390 U | 270 U | 340 U | 360 U |

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JB = Estimated value due to either the compound being under the detection limit or estimated in the concentration for Tentatively Identified Compound and analyte also detected associated Method Blank.

EB = Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

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Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

Table with columns: Analyte, Units, RAWP Objectives, RIDEM Objectives (Direct Exposure Criteria, GB Leachability Criteria), and 16 Result columns (A4S48(2-6)DUP, A4S49(6-10), A4S47(0-2)DUP, A4S46(0-2), A4S47(0-2), A4S48(0-2), A4S47(2-6), A4S49(0-2), A4S50(0-2), A4S46(2-6), A4S50(6-10), A4S51(2-6)). Rows list various analytes like Chlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, etc., with their respective units and numerical or categorical results.

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|--------------------------|-------|-----------------|------------|--------------------------|--------------------------|---------------|-------------|---------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S48(2-6)DUP | A4S49(6-10) | A4S47(0-2)DUP | A4S46(0-2) | A4S47(0-2) | A4S48(0-2) | A4S47(2-6) | A4S49(0-2) | A4S50(0-2) | A4S46(2-6) | A4S50(6-10) | A4S51(2-6) |
| Lab ID | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 61296014 | 61296015 | 61296020 | 61296021 | 61296022 | 61296023 | 61296024 | 61296025 | 61296026 | 61296029 | 61296016 | 61296017 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| -Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 420 U | 280 U | 360 U | 280 U | 260 U | 260 U | 290 U | 200 U | 210 U | 260 U | 310 U | 240 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 420 U | 280 U | 360 U | 280 U | 260 U | 260 U | 290 U | 200 U | 210 U | 260 U | 310 U | 240 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 420 U | 280 U | 360 U | 280 U | 260 U | 260 U | 290 U | 200 U | 210 U | 260 U | 310 U | 240 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 2200 | 550 | 21000 E | 75 JB | 140 JB | 220 JB | 290 U | 220 B | 140 JB | 260 U | 340 | 290 |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 420 U | 280 U | 360 U | 280 U | 260 U | 260 U | 290 U | 200 U | 210 U | 260 U | 310 U | 240 U |

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 JB = Estimated value due to either the compound being under the detection limit or estimate in the concentration for Tentatively Identified Compound and analyte also detected associated Method Blank.
 EB = Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.
 ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)
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Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | |
|-----------------------------|-------|-----------------|------------|--------------------------|--------------------------|------------|-------------|------------|---------------|------------|------------|-------------|------------|------------|---------------|------------|-------------|------------|-------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4S13(0-2) | A4S13(6-10) | A4S14(0-2) | A4S14(0-2)DUP | A4S14(2-6) | A4S19(0-2) | A4S19(6-10) | A4S20(0-2) | A4S20(2-6) | A4S20(2-6)DUP | A4S21(0-2) | A4S21(6-10) | A4S24(0-2) | A4S36(6-10) |
| Sample ID | | | | | | 61303001 | 61303002 | 61303003 | 61303004 | 61303005 | 61303006 | 61303007 | 61303008 | 61303009 | 61303010 | 61303011 | 61303012 | 61303013 | 61303014 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 57 J | 250 U | 320 U | 250 U | 330 U | 290 U | 230 U | 400 U | 340 U | 360 U | 370 U | 220 U | 300 U | 170 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 110 J | 250 U | 320 U | 250 U | 330 U | 290 U | 230 U | 400 U | 340 U | 360 U | 370 U | 220 U | 300 U | 170 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 140 J | 250 U | 320 U | 250 U | 330 U | 290 U | 230 U | 400 U | 340 U | 360 U | 370 U | 220 U | 300 U | 170 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 77 J | 250 U | 320 U | 250 U | 330 U | 290 U | 230 U | 400 U | 340 U | 360 U | 370 U | 220 U | 300 U | 170 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 250 | 250 U | 220 J | 110 J | 330 U | 76 J | 28000 E | 2900 B | 180 JB | 260 JB | 170 JB | 220 U | 610 B | 170 U |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 180 J | 250 U | 81 J | 250 U | 330 U | 290 U | 230 U | 400 U | 340 U | 360 U | 370 U | 220 U | 300 U | 170 U |

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EB = Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.
ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)
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RAWP = Remedial Action Work Plan
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Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | |
|-----------------------------|-------|-----------------|------------|--------------------------|--------------------------|------------|---------------|-------------|------------|------------|------------|------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S38(2-4) | A4S38(2-4)DUP | A4S38(6-10) | A4S45(2-6) | A4S36(0-2) | A4S38(0-2) | A4S45(0-2) |
| Lab ID | | | | | | 61303015 | 61303016 | 61303017 | 61303018 | 61303019 | 61303020 | 61303021 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 180 U | 200 U | 200 U | 300 U | 190 U | 250 U | 280 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 180 U | 200 U | 200 U | 300 U | 190 U | 250 U | 280 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 180 U | 200 U | 200 U | 300 U | 190 U | 250 U | 280 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 180 U | 200 U | 200 U | 300 U | 190 U | 250 U | 280 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 180 U | 200 U | 200 U | 1200 B | 190 U | 110 JB | 280 U |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 180 U | 200 U | 200 U | 300 U | 190 U | 250 U | 280 U |

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B = Analyte also detected in the associated Method Blank.

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

E = Analyte concentration exceeded the Calibration Range.

JB = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and analyte also detected in the associated Method Blank.

EB = Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

Table with columns: Analyte, Units, RAWP Objectives, RIEM Objectives, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result, Result. Rows include various chemical compounds like Chlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, Acetone, Iodomethane, Carbon Disulfide, Methylene Chloride, trans-1,2-Dichloroethene, Methyl tert-butyl ether, 1,1-Dichloroethane, Vinyl acetate, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 2-Butanone, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, 1,1-Dichloropropene, Carbon Tetrachloride, 1,2-Dichloroethane, Benzene, Trichloroethene, 1,2-Dichloropropane, Dibromomethane, Bromodichloromethane, 2-Chloroethyl vinyl ether, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, 1,3-Dichloropropene, 2-Trichloroethane, 1,3-Dichloropropane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, 1,1,1,2-Tetrachloroethane, Ethylbenzene, Xylene (Total), Styrene, Bromoform, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, Bromobenzene, 1,2,3-Trichloropropane, n-Propylbenzene, 2-Chlorotoluene, 1,3,5-Trimethylbenzene, 4-Chlorotoluene, tert-Butylbenzene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, 1,3-Dichlorobenzene, 4-Isopropyltoluene, 1,4-Dichlorobenzene, n-Butylbenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, Naphthalene, 1,2,3-Trichlorobenzene.

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|--------------------------|--------------------------|----------------|-------------|--------------|----------------|----------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|--------------|
| Sample ID | | | Direct Exposure Criteria | GB Leachability Criteria | A4-S27(0-2)DUP | A4-S27(0-2) | A4-S27(6-10) | A4-S28(0-2)DUP | A4-S28(2-6)DUP | A4-S28(0-2) | A4-S28(2-6) | A4-S29(0-2) | A4-S29(6-10) | A4-S30(0-2) | A4-S30(6-10) | A4-S31(0-2) | A4-S31(6-10) |
| Lab ID | | | 0 - 2' | > 2' - 10' | 61305001 | 61305002 | 61305003 | 61305004 | 61305005 | 61305006 | 61305007 | 61305008 | 61305009 | 61305010 | 61305011 | 61305012 | 61305013 |
| Sample Date | | | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |

NE= Criterion Not Established
 U= Not Detected
 B= Analyte also detected in the associated Method Blank.
 J= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.
 E= Analyte concentration exceeded the Calibration Range.
 JB= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and analyte also detected in the associated Method Blank.
 EB= Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.
 ug/Kg= Micrograms per Kilogram= Parts per Billion (ppb)
 ug/l= Micrograms per Liter= Parts per Billion (ppb)
 RAWP= Remedial Action Work Plan
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Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | |
|-------------|-------|-----------------|------------|--------------------------|--------------------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|--------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4-S32(0-2) | A4-S32(2-6) | A4-S33(6-10) | A4-S34(0-2) | A4-S35(0-2) | A4-S24(2-6) | A4-S26(0-2) | A4-S26(6-10) | A4-S33(0-2) | A4-S22(0-2) | A4-S34(6-10) | A4-S22(2-6) | A4-S35(6-10) |
| Sample ID | | | | | | | | | | | | | | | | | | |
| Lab ID | | | | | | 61305014 | 61305015 | 61305016 | 61305017 | 61305018 | 61305019 | 61305020 | 61305021 | 61305022 | 61305023 | 61305024 | 61305025 | 61305026 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |

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 U= Not Detected
 B= Analyte also detected in the associated Method Blank.
 J= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.
 E= Analyte concentration exceeded the Calibration Range.
 JB= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and analyte also detected in the associated Method Blank.
 EB= Analyte concentration exceeded the Calibration Range and analyte also detected in the associated Method Blank.
 ug/Kg= Micrograms per Kilogram= Parts per Billion (ppb)
 ug/l= Micrograms per Liter= Parts per Billion (ppb)
 RAWP= Remedial Action Work Plan
 RIDEM= Rhode Island Department of Environmental Management

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-----------------------------|-------|-----------------|------------|--------------------------|--------------------------|------------|-------------|---------------|------------|---------------|------------|-------------|------------|-------------|-------------|------------|-------------|------------|-------------|----------------|-------------|----------------|
| | | 0' - 2' | > 2' - 10' | Direct Exposure Criteria | GB Leachability Criteria | A4S37(0-2) | A4S37(6-10) | A4S37(6-10)EX | A4S39(0-2) | A4S39(0-2)DUP | A4S40(0-2) | A4S40(6-10) | A4S41(0-2) | A4S41(6-10) | A4S42(6-10) | A4S43(0-2) | A4S43(6-10) | A4S44(0-2) | A4S44(6-10) | A4S44(6-10)DUP | A4S39(6-10) | A4S39(6-10)DUP |
| Sample ID | | | | | | 61312001 | 61312002 | 61312003 | 61312004 | 61312005 | 61312006 | 61312007 | 61312008 | 61312009 | 61312011 | 61312012 | 61312013 | 61312014 | 61312015 | 61312017 | 61312018 | 61312019 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Isopropyltoluene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 74 J | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 94 J | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| n-Butylbenzene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 100 J | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 320 U | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 350 U | 310 U | 320 U | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 320 U | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 320 U | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 1300 B | 280 JB | 47000 EB | 1600 B | 580 B | 250 B | 67 JB | 150 JB | 290 U | 240 U | 290 U | 96 JB | 66 JB | 280 U | 220 U | 240 U | 290 U |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 350 U | 310 U | 320 U | 280 U | 290 U | 210 U | 270 U | 230 U | 290 U | 240 U | 290 U | 250 U | 210 U | 280 U | 220 U | 240 U | 290 U |

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ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)
RAWP = Remedial Action Work Plan
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Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result |
|---------------------------|-------|-----------------|------------|--------------------------|--------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S56(0-2) | A4S56(6-10) | A4S57(0-2) | A4S57(6-10) | A4S58(0-2) | A4S58(6-10) | A4S59(0-2) | A4S59(6-10) |
| Lab ID | | | | | | 61314001 | 61314002 | 61314003 | 61314004 | 61314005 | 61314006 | 61314007 | 61314008 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Dichlorodifluoromethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Chloromethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Vinyl Chloride | ug/Kg | NE | NE | 3000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Bromomethane | ug/Kg | NE | NE | 2900000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Chloroethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Trichlorofluoromethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1-Dichloroethene | ug/Kg | NE | NE | 9500 | 700 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Acetone | ug/Kg | NE | NE | 10000000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Iodomethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Carbon Disulfide | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Methylene Chloride | ug/Kg | NE | NE | 760000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| trans-1,2-Dichloroethene | ug/Kg | NE | NE | 10000000 | 92000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Methyl tert-butyl ether | ug/Kg | NE | NE | 10000000 | 100000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1-Dichloroethane | ug/Kg | NE | NE | 10000000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Vinyl acetate | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| cis-1,2-Dichloroethene | ug/Kg | NE | NE | 10000000 | 60000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 2,2-Dichloropropane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 2-Butanone | ug/Kg | NE | NE | 1000000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Bromochloromethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Chloroform | ug/Kg | NE | NE | 940000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1,1-Trichloroethane | ug/Kg | NE | NE | 10000000 | 160000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1-Dichloropropene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Carbon Tetrachloride | ug/Kg | NE | NE | 44000 | 5000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2-Dichloroethane | ug/Kg | NE | NE | 63000 | 2300 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Benzene | ug/Kg | 200000 | 43000 | 200000 | 4300 | 300 U | 260 U | 250 U | 260 U | 120 J | 300 U | 230 U | 240 U |
| Trichloroethene | ug/Kg | NE | NE | 520000 | 4200 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2-Dichloropropane | ug/Kg | NE | NE | 84000 | 700000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Dibromomethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Bromodichloromethane | ug/Kg | NE | NE | 92000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 2-Chloroethyl vinyl ether | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| cis-1,3-Dichloropropene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 4-Methyl-2-pentanone | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Toluene | ug/Kg | 10000000 | 540000 | 10000000 | 54000 | 300 U | 260 U | 250 U | 260 U | 310 | 300 U | 230 U | 240 U |
| trans-1,3-Dichloropropene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1,2-Trichloroethane | ug/Kg | NE | NE | 100000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,3-Dichloropropane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Tetrachloroethene | ug/Kg | NE | NE | 10000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 2-Hexanone | ug/Kg | NE | NE | 10000000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Dibromochloromethane | ug/Kg | NE | NE | 68000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2-Dibromoethane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Chlorobenzene | ug/Kg | NE | NE | 10000000 | 100000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1,1,2-Tetrachloroethane | ug/Kg | NE | NE | 220000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Ethylbenzene | ug/Kg | 10000000 | 620000 | 10000000 | 62000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Xylene (Total) | ug/Kg | 10000000 | 540000 | 10000000 | NE | 300 U | 260 U | 250 U | 260 U | 86 J | 140 J | 230 U | 240 U |
| Styrene | ug/Kg | NE | NE | 190000 | 64000 | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Bromoform | ug/Kg | NE | NE | 720000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Isopropylbenzene | ug/Kg | NE | NE | 10000000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,1,2,2-Tetrachloroethane | ug/Kg | NE | NE | 29000 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Bromobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |

Table 2a
Soil Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------|--------------------------|--------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S56(0-2) | A4S56(6-10) | A4S57(0-2) | A4S57(6-10) | A4S58(0-2) | A4S58(6-10) | A4S59(0-2) | A4S59(6-10) |
| Lab ID | | | | | | 61314001 | 61314002 | 61314003 | 61314004 | 61314005 | 61314006 | 61314007 | 61314008 |
| Sample Date | | 0' - 2' | > 2' - 10' | 0' - 2' | > 2' - 10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| 1,2,3-Trichloropropane | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| n-Propylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 2-Chlorotoluene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,3,5-Trimethylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 4-Chlorotoluene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| tert-Butylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2,4-Trimethylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 110 J | 230 U | 240 U |
| sec-Butylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 4-Isopropyltoluene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| n-Butylbenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | NE | NE | 4100 | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |
| Naphthalene | ug/Kg | NE | NE | NE | NE | 150 JB | 260 U | 290 B | 190 JB | 670 B | 380 B | 53 JB | 240 U |
| 1,2,3-Trichlorobenzene | ug/Kg | NE | NE | NE | NE | 300 U | 260 U | 250 U | 260 U | 290 U | 300 U | 230 U | 240 U |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

B = Analyte also detected in the associated Method Blank.

JB = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and analyte also detected in the associated Method Blank.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|----------|--------------------------|--------------------------|---------------|-------------|--------------|-------------|-------------|--------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4-S55(2.5-6) | A4-S52(2-6) | A4-S54(6-10) | A4-S4(6-10) | A4-S54(2-6) | A4-S53(6-10) |
| Lab ID | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 61293017 | 61293018 | 61293019 | 61293020 | 61293021 | 61293022 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Phenol | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| bis(2-Chloroethyl)Ether | ug/Kg | NE | NE | 5200 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2-Chlorophenol | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | 240000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2-Methylphenol | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 4-Methylphenol | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| N-Nitroso-di-n-propylamine | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Hexachloroethane | ug/Kg | NE | NE | 410000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Nitrobenzene | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Isophorone | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2-Nitrophenol | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,4-Dimethylphenol | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,4-Dichlorophenol | ug/Kg | NE | NE | 6100000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Naphthalene | ug/Kg | 10000000 | 5000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 4-Chloroaniline | ug/Kg | NE | NE | 8200000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| bis(2-Chloroethoxy)methane | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | 73000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 4-Chloro-3-Methylphenol | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2-Methylnaphthalene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Hexachlorocyclopentadiene | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,4,6-Trichlorophenol | ug/Kg | NE | NE | 520000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,4,5-Trichlorophenol | ug/Kg | NE | NE | 10000000 | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| 2-Chloronaphthalene | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| Dimethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Acenaphthylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,6-Dinitrotoluene | ug/Kg | 10000000 | 10000000 | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 3-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| Acenaphthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,4-Dinitrophenol | ug/Kg | NE | NE | 4100000 | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| 4-Nitrophenol | ug/Kg | NE | NE | NE | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| Dibenzofuran | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 2,4-Dinitrotoluene | ug/Kg | NE | NE | 8400 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Diethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 4-Chlorophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Fluorene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 4-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | NE | NE | NE | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result |
|----------------------------|-------|-----------------|----------|--------------------------|--------------------------|---------------|-------------|--------------|-------------|-------------|--------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4-S55(2.5-6) | A4-S52(2-6) | A4-S54(6-10) | A4-S4(6-10) | A4-S54(2-6) | A4-S53(6-10) |
| Lab ID | | | | | | 61293017 | 61293018 | 61293019 | 61293020 | 61293021 | 61293022 |
| Sample Date | | 0'.2' | > 2'.10' | 0'.2' | > 2'.10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Nitrosodiphenylamine (1) | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 4-Bromophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Hexachlorobenzene | ug/Kg | NE | NE | 3600 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Pentachlorophenol | ug/Kg | 48000 | 10000000 | 48000 | NE | 7000 U | 7200 U | 7500 U | 7300 U | 7300 U | 7400 U |
| Phenanthrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Anthracene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Carbazole | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Di-n-butylphthalate | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Fluoranthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Pyrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Butylbenzylphthalate | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| 3,3-Dichlorobenzidine | ug/Kg | NE | NE | 13000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Benzo(a)anthracene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Chrysene | ug/Kg | 780000 | 10000000 | 780000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | NE | NE | 410000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 410 J | 750 J | 3700 U | 3600 U | 3600 U | 3600 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 3600 U | 3700 U | 3600 U | 3600 U | 3600 U |
| Benzoic Acid | ug/Kg | NE | NE | NE | NE | | | | | | |
| Surrogates: | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 65 | 78 | 83 | 79 | 80 | 88 |
| 2,4,6-Tribromophenol | % | | | | | 66 | 73 | 80 | 50 | 84 | 62 |
| 2-Chlorophenol-d4 | % | | | | | 69 | 77 | 78 | 82 | 85 | 85 |
| 2-Fluorobiphenyl | % | | | | | 82 | 89 | 91 | 83 | 94 | 88 |
| 2-Fluorophenol | % | | | | | 65 | 74 | 78 | 82 | 82 | 86 |
| Nitrobenzene-d5 | % | | | | | 56 | 60 | 66 | 72 | 67 | 75 |
| Phenol-d5 | % | | | | | 68 | 76 | 79 | 81 | 81 | 83 |
| Terphenyl-d14 | % | | | | | 97 | 95 | 106 | 93 | 107 | 103 |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | |
|------------------------|-------|-----------------|----------|-----------------------------------|--------------------------------------|------------|-----------|------------|-----------|-----------|------------|-------------|------------|-------------|------------|------------|---------------|-------------|-------------|------------|---------------|------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria 0'-2' | GB Leachability Criteria > 2'-10' | A4S5(6-10) | A4S8(0-2) | A4S8(6-10) | A4S9(2-6) | A4S9(0-2) | A4S16(0-2) | A4S16(6-10) | A4S17(0-2) | A4S17(6-10) | A4S18(0-2) | A4S48(2-6) | A4S48(2-6)DUP | A4S49(6-10) | A4S50(6-10) | A4S51(2-6) | A4S47(0-2)DUP | A4S46(0-2) |
| Sample ID | | | | | | 61296001 | 61296002 | 61296003 | 61296004 | 61296005 | 61296006 | 61296007 | 61296008 | 61296009 | 61296010 | 61296013 | 61296014 | 61296015 | 61296016 | 61296017 | 61296020 | 61296021 |
| Sample Date | | 0'-2' | > 2'-10' | | | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3500 U | 3500 U | 3700 U | 3900 U | 3400 U | 3700 U | 3600 U | 3600 U | 3700 U | 3700 U | 4100 U | 4000 U | 3400 U | 3400 U | 3600 U | 3800 U | 3400 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3500 U | 8700 | 3500 J | 3900 U | 2000 J | 6900 | 670 J | 29000 | 12000 | 27000 | 4100 U | 4000 U | 3400 U | 3400 U | 3600 U | 3800 U | 1200 J |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 3500 U | 2200 J | 1500 J | 3900 U | 360 J | 2400 J | 3600 U | 9900 | 4600 | 11000 | 4100 U | 4000 U | 3400 U | 3400 U | 3600 U | 3800 U | 400 J |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 4500 | 1700 J | 800 U | 1100 J | 2100 J | 560 J | 18000 | 6200 | 14000 | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U | 900 J |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3500 U | 3000 J | 1200 J | 3900 U | 810 J | 4300 | 3600 U | 11000 | 3400 J | 9900 | 4100 U | 4000 U | 3400 U | 3400 U | 3600 U | 3800 U | 3400 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 860 J | 800 U | 800 U | 800 U | 1400 J | 800 U | 4200 | 1400 J | 4100 | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3500 U | 2700 J | 1000 J | 3900 U | 720 J | 3700 J | 3600 U | 10000 | 3300 J | 8800 | 4100 U | 4000 U | 3400 U | 3400 U | 3600 U | 3800 U | 3400 U |
| Surrogates: | | | | | | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 109 | 87 | 84 | 99 | 86 | 76 | 81 | 84 | 93 | 87 | 96 | 100 | 82 | 93 | 86 | 92 | 84 |
| 2,4,6-Tribromophenol | % | | | | | 48 | 79 | 84 | 46 | 76 | 70 | 84 | 78 | 75 | 72 | 58 | 51 | 62 | 58 | 62 | 74 | 86 |
| 2-Chlorophenol-d4 | % | | | | | 97 | 75 | 73 | 91 | 71 | 69 | 72 | 72 | 89 | 81 | 90 | 92 | 78 | 76 | 83 | 84 | 73 |
| 2-Fluorobiphenyl | % | | | | | 103 | 79 | 83 | 97 | 80 | 79 | 86 | 81 | 91 | 80 | 95 | 97 | 81 | 88 | 78 | 87 | 82 |
| 2-Fluorophenol | % | | | | | 98 | 81 | 87 | 91 | 85 | 77 | 75 | 87 | 88 | 82 | 88 | 91 | 83 | 85 | 80 | 88 | 83 |
| Nitrobenzene-d5 | % | | | | | 89 | 83 | 87 | 83 | 85 | 76 | 82 | 78 | 91 | 85 | 80 | 78 | 86 | 94 | 86 | 85 | 84 |
| Phenol-d5 | % | | | | | 98 | 72 | 71 | 89 | 74 | 60 | 74 | 66 | 91 | 76 | 86 | 89 | 71 | 81 | 73 | 77 | 67 |
| Terphenyl-d14 | % | | | | | 103 | 106 | 116 | 96 | 107 | 108 | 112 | 113 | 112 | 124 | 93 | 98 | 100 | 100 | 98 | 94 | 120 |

NE = Criterion Not Established
U = Not Detected
J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.
E = Analyte concentration exceeded the Calibration Range.
ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)
= Micrograms per Liter = Parts per Billion (ppb)
VP = Remedial Action Work Plan
RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result |
|------------------------|-------|-----------------|----------|--------------------------|--------------------------|------------|------------|------------|------------|------------|------------|-------------|-----------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S47(0-2) | A4S48(0-2) | A4S47(2-6) | A4S49(0-2) | A4S50(0-2) | A4S46(2-6) | A4S18(6-10) | A4S18(6-10) DUP |
| Sample ID | | | | 0'-2' | > 2'-10' | 61296022 | 61296023 | 61296024 | 61296025 | 61296026 | 61296029 | 61296011 | 61296012 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Phenylphthalate | ug/Kg | NE | NE | NE | NE | 3400 U | 3700 U | 3500 U | 3500 U | 3400 U | 3600 U | 3800 U | 3800 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3400 U | 2200 J | 3500 U | 1500 J | 3400 U | 3600 U | 36000 | 19000 |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 3400 U | 920 J | 3500 U | 560 J | 3400 U | 3600 U | 12000 | 7200 |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 880 J | 800 U | 990 J | 800 U | 800 U | 27000 | 15000 |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3400 U | 1000 J | 3500 U | 720 J | 3400 U | 3600 U | 9900 | 6100 |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U | 3300 J | 2300 J |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 730 J | 3500 U | 610 J | 3400 U | 3600 U | 9100 | 5900 |
| Surrogates: | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 87 | 92 | 86 | 87 | 92 | 85 | 85 | 90 |
| 2,4,6-Tribromophenol | % | | | | | 61 | 79 | 48 | 73 | 62 | 56 | 97 | 78 |
| 2-Chlorophenol-d4 | % | | | | | 74 | 83 | 71 | 83 | 78 | 81 | 86 | 81 |
| 2-Fluorobiphenyl | % | | | | | 82 | 85 | 80 | 84 | 84 | 84 | 73 | 81 |
| 2-Fluorophenol | % | | | | | 79 | 85 | 81 | 80 | 87 | 85 | 72 | 77 |
| Nitrobenzene-d5 | % | | | | | 84 | 93 | 83 | 83 | 89 | 86 | 376 | 188 |
| Phenol-d5 | % | | | | | 78 | 79 | 75 | 75 | 76 | 78 | 85 | 82 |
| Terphenyl-d14 | % | | | | | 101 | 104 | 91 | 97 | 104 | 98 | 103 | 92 |

NE = Criterion Not Established
U = Not Detected
J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.
E = Analyte concentration exceeded the Calibration Range.
ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)
l = Micrograms per Liter = Parts per Billion (ppb)
WP = Remedial Action Work Plan
RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | |
|----------------------------|--------|-----------------|----------|-----------------------------------|--------------------------------------|------------|-------------|------------|---------------|------------|------------|-------------|------------|------------|---------------|------------|-------------|------------|-------------|------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria 0'-2' | GB Leachability Criteria > 2'-10' | A4S13(0-2) | A4S13(6-10) | A4S14(0-2) | A4S14(0-2)DUP | A4S14(2-6) | A4S19(0-2) | A4S19(6-10) | A4S20(0-2) | A4S20(2-6) | A4S20(2-6)DUP | A4S21(0-2) | A4S21(6-10) | A4S24(0-2) | A4S36(6-10) | A4S38(2-4) |
| Sample ID | Lab ID | | | | | 61303001 | 61303002 | 61303003 | 61303004 | 61303005 | 61303006 | 61303007 | 61303008 | 61303009 | 61303010 | 61303011 | 61303012 | 61303013 | 61303014 | 61303015 |
| Sample Date | | | | | | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| bis(2-Ethylhexyl)phthalate | ug/Kg | NE | NE | 410000 | NE | 3400 U | 3500 U | 3400 U | 3500 U | 3700 U | 3500 U | 3400 U | 3500 U | 3900 U | 3800 U | 3600 U | 3400 U | 3400 U | 3300 U | 3500 U |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3400 U | 3500 U | 3400 U | 3500 U | 3700 U | 3500 U | 3400 U | 3500 U | 3900 U | 3800 U | 3600 U | 3400 U | 3400 U | 3300 U | 3500 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 1400 J | 1900 J | 900 J | 690 J | 3700 U | 1100 J | 3500 | 6600 | 3200 J | 4100 | 1200 J | 3400 U | 2000 J | 3300 U | 3500 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 650 J | 510 J | 3400 U | 3500 U | 3700 U | 420 J | 1200 J | 1900 J | 1300 J | 1700 J | 440 J | 3400 U | 770 J | 3300 U | 3500 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 940 | 1100 | 450 J | 800 U | 800 U | 600 J | 2500 | 2400 | 2300 | 2800 | 360 J | 800 U | 570 J | 800 U | 800 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 420 J | 820 J | 440 J | 3500 U | 3700 U | 590 J | 1200 J | 3500 J | 1400 J | 2400 J | 430 J | 3400 U | 870 J | 3300 U | 3500 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U | 530 J | 1200 | 450 J | 790 J | 800 U | 800 U | 800 U | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 860 J | 3400 U | 3500 U | 3700 U | 620 J | 1300 J | 3700 | 1400 J | 2600 J | 450 J | 3400 U | 850 J | 3300 U | 3500 U |

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | | |
|------------------------|-------|-----------------|----------|--------------------------|--------------------------|------------|-------------|------------|---------------|------------|------------|-------------|------------|------------|---------------|------------|-------------|------------|-------------|------------|--|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S13(0-2) | A4S13(6-10) | A4S14(0-2) | A4S14(0-2)DUP | A4S14(2-6) | A4S19(0-2) | A4S19(6-10) | A4S20(0-2) | A4S20(2-6) | A4S20(2-6)DUP | A4S21(0-2) | A4S21(6-10) | A4S24(0-2) | A4S36(6-10) | A4S38(2-4) | |
| Lab ID | | | | 0'-2' | > 2'-10' | 61303001 | 61303002 | 61303003 | 61303004 | 61303005 | 61303006 | 61303007 | 61303008 | 61303009 | 61303010 | 61303011 | 61303012 | 61303013 | 61303014 | 61303015 | |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | |
| Surrogates: | | | | | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 96 | 90 | 83 | 92 | 79 | 84 | 97 | 94 | 95 | 89 | 82 | 88 | 97 | 85 | 84 | |
| 2,4,6-Tribromophenol | % | | | | | 68 | 68 | 63 | 61 | 41 | 52 | 80 | 78 | 75 | 82 | 72 | 44 | 79 | 23 | 40 | |
| 2-Chlorophenol-d4 | % | | | | | 91 | 90 | 76 | 87 | 75 | 79 | 88 | 89 | 85 | 83 | 80 | 87 | 94 | 86 | 90 | |
| 2-Fluorobiphenyl | % | | | | | 95 | 96 | 90 | 91 | 82 | 85 | 99 | 94 | 119 | 124 | 93 | 91 | 99 | 92 | 94 | |
| 2-Fluorophenol | % | | | | | 92 | 88 | 80 | 88 | 76 | 82 | 87 | 90 | 87 | 82 | 81 | 85 | 93 | 83 | 85 | |
| Nitrobenzene-d5 | % | | | | | 83 | 80 | 84 | 81 | 67 | 70 | 92 | 74 | 82 | 76 | 74 | 78 | 82 | 75 | 79 | |
| Phenol-d5 | % | | | | | 89 | 87 | 64 | 86 | 80 | 77 | 83 | 86 | 89 | 80 | 78 | 88 | 90 | 85 | 90 | |
| Terphenyl-d14 | % | | | | | 119 | 102 | 155 | 90 | 82 | 82 | 104 | 97 | 101 | 100 | 96 | 91 | 101 | 93 | 93 | |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|----------|--------------------------|--------------------------|---------------|-------------|------------|------------|------------|------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4S38(2-4)DUP | A4S38(6-10) | A4S45(2-6) | A4S36(0-2) | A4S38(0-2) | A4S45(0-2) |
| Lab ID | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 61303016 | 61303017 | 61303018 | 61303019 | 61303020 | 61303021 |
| Sample Date | | | | | | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Phenol | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| bis(2-Chloroethyl)Ether | ug/Kg | NE | NE | 5200 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2-Chlorophenol | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | 240000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2-Methylphenol | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 4-Methylphenol | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| N-Nitroso-di-n-propylamine | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Hexachloroethane | ug/Kg | NE | NE | 410000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Nitrobenzene | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Isophorone | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2-Nitrophenol | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,4-Dimethylphenol | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,4-Dichlorophenol | ug/Kg | NE | NE | 6100000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Naphthalene | ug/Kg | 10000000 | 5000000 | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 4-Chloroaniline | ug/Kg | NE | NE | 8200000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| bis(2-Chloroethoxy)methane | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | 73000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 4-Chloro-3-Methylphenol | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2-Methylnaphthalene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Hexachlorocyclopentadiene | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,4,6-Trichlorophenol | ug/Kg | NE | NE | 520000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,4,5-Trichlorophenol | ug/Kg | NE | NE | 10000000 | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| 2-Chloronaphthalene | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2-Nitroaniline | ug/Kg | NE | NE | NE | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| Dimethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Acenaphthylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 420 J |
| 2,6-Dinitrotoluene | ug/Kg | 10000000 | 10000000 | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 3-Nitroaniline | ug/Kg | NE | NE | NE | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| Acenaphthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,4-Dinitrophenol | ug/Kg | NE | NE | 4100000 | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| 4-Nitrophenol | ug/Kg | NE | NE | NE | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| Dibenzofuran | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 2,4-Dinitrotoluene | ug/Kg | NE | NE | 8400 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Diethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 4-Chlorophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Fluorene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 4-Nitroaniline | ug/Kg | NE | NE | NE | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | NE | NE | NE | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 4-Bromophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Hexachlorobenzene | ug/Kg | NE | NE | 3600 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Pentachlorophenol | ug/Kg | 48000 | 10000000 | 48000 | NE | 6900 U | 7000 U | 7400 U | 6900 U | 7100 U | 6900 U |
| Phenanthrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 2300 J | 3600 U | 3400 U | 3500 U | 3400 U |
| Anthracene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 500 J | 3600 U | 3400 U | 3500 U | 3400 U |
| Carbazole | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Di-n-butylphthalate | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Fluoranthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3000 J | 3600 U | 480 J | 3500 U | 3400 U |
| Pyrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 2000 J | 3600 U | 380 J | 3500 U | 3400 U |
| Butylbenzylphthalate | ug/Kg | NE | NE | NE | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| 3,3-Dichlorobenzidine | ug/Kg | NE | NE | 13000 | NE | 3400 U | 3400 U | 3600 U | 3400 U | 3500 U | 3400 U |
| Benzo(a)anthracene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3400 U | 1300 J | 3600 U | 3400 U | 3500 U | 3400 U |
| Chrysene | ug/Kg | 780000 | 10000000 | 780000 | NE | 3400 U | 1300 J | 3600 U | 390 J | 3500 U | 3400 U |

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result |
|------------------------|-------|-----------------|----------|--------------------------|--------------------------|---------------|-------------|------------|------------|------------|------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria | GB Leachability Criteria | A4S38(2-4)DUP | A4S38(6-10) | A4S45(2-6) | A4S36(0-2) | A4S38(0-2) | A4S45(0-2) |
| Sample ID | | | | | | 61303016 | 61303017 | 61303018 | 61303019 | 61303020 | 61303021 |
| Lab ID | | | | | | | | | | | |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Phenol | ug/Kg | | | | | | | | | | |
| Surrogates: | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 86 | 87 | 73 | 88 | 90 | 93 |
| 2,4,6-Tribromophenol | % | | | | | 48 | 65 | 42 | 72 | 73 | 92 |
| 2-Chlorophenol-d4 | % | | | | | 88 | 88 | 71 | 92 | 91 | 87 |
| 2-Fluorobiphenyl | % | | | | | 91 | 92 | 76 | 97 | 90 | 102 |
| 2-Fluorophenol | % | | | | | 88 | 87 | 72 | 86 | 89 | 87 |
| Nitrobenzene-d5 | % | | | | | 77 | 78 | 67 | 77 | 81 | 84 |
| Phenol-d5 | % | | | | | 88 | 87 | 73 | 90 | 89 | 86 |
| Terphenyl-d14 | % | | | | | 93 | 88 | 84 | 95 | 93 | 123 |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|------------------------|-------|-----------------|----------|--------------------------|--------------------------|----------------|-------------|--------------|----------------|----------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4-S27(0-2)DUP | A4-S27(0-2) | A4-S27(6-10) | A4-S28(0-2)DUP | A4-S28(2-6)DUP | A4-S28(0-2) | A4-S28(2-6) | A4-S29(0-2) | A4-S29(6-10) | A4-S30(0-2) | A4-S30(6-10) | A4-S31(0-2) | A4-S31(6-10) | A4-S32(0-2) |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3600 U | 3700 U | 3700 U | 3700 U | 3800 U | 3600 U | 3900 U | 3500 U | 3600 U | 3700 U | 3500 U | 3600 U | 3500 U | 3500 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 27000 | 45000 | 89000 E | 6700 | 43000 | 6600 | 3200 J | 2600 J | 3600 | 2600 J | 3500 U | 5800 | 1600 J | 3500 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 12000 | 11000 | 32000 | 1800 J | 13000 | 1800 J | 1200 J | 1000 J | 1400 J | 850 J | 3500 U | 2200 J | 680 J | 3500 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 16000 | 26000 | 48000 | 3500 J | 23000 | 3700 | 2600 J | 1100 J | 1400 J | 2000 J | 800 U | 1700 J | 1100 J | 3500 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 13000 | 20000 | 43000 | 3300 J | 21000 | 3300 J | 960 J | 1200 J | 1900 J | 3400 J | 3500 U | 2200 J | 650 J | 3500 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 5100 | 7900 | 17000 | 1200 J | 8000 | 1200 J | 430 J | 480 J | 790 J | 960 J | 800 U | 880 J | 3500 U | 3500 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 14000 | 22000 | 48000 | 4000 | 24000 | 3700 | 900 J | 1300 J | 2200 J | 6800 | 3500 U | 2100 J | 630 J | 3500 U |
| Benzoic Acid | ug/Kg | NE | NE | NE | NE | | | | | | | | | | | | | | |

| Surrogates: | | | | | | | | | | | | | | | | | | | |
|------------------------|---|--|--|--|--|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|----|
| 1,2-Dichlorobenzene-d4 | % | | | | | 95 | 91 | 98 | 93 | 99 | 97 | 104 | 52 | 76 | 96 | 77 | 92 | 99 | 70 |
| 2,4,6-Tribromophenol | % | | | | | 85 | 84 | 89 | 80 | 92 | 82 | 112 | 45 | 74 | 79 | 47 | 82 | 102 | 76 |
| 2-Chlorophenol-d4 | % | | | | | 80 | 82 | 88 | 82 | 86 | 87 | 94 | 50 | 78 | 92 | 68 | 87 | 92 | 70 |
| 2-Fluorobiphenyl | % | | | | | 98 | 96 | 98 | 88 | 102 | 93 | 116 | 53 | 92 | 96 | 71 | 92 | 107 | 71 |
| 2-Fluorophenol | % | | | | | 82 | 78 | 85 | 87 | 85 | 87 | 67 | 52 | 81 | 95 | 61 | 90 | 94 | 71 |
| Nitrobenzene-d5 | % | | | | | 85 | 85 | 96 | 85 | 92 | 91 | 133 | 52 | 80 | 95 | 65 | 90 | 92 | 69 |
| Phenol-d5 | % | | | | | 73 | 72 | 86 | 78 | 83 | 79 | 55 | 48 | 81 | 90 | 58 | 85 | 88 | 65 |
| Terphenyl-d14 | % | | | | | 127 | 131 | 157 | 117 | 134 | 113 | 84 | 59 | 106 | 114 | 70 | 112 | 130 | 73 |

NE = Criterion Not Established
 U = Not Detected
 J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.
 F = Analyte concentration exceeded the Calibration Range.
 ug = Micrograms per Kilogram = Parts per Billion (ppb)
 ug/l = Micrograms per Liter = Parts per Billion (ppb)
 RAWP = Remedial Action Work Plan
 RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|------------------------|-------|-----------------|----------|--------------------------|--------------------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|--------------|
| Sample ID | | | | Direct Exposure Criteria | GB Leachability Criteria | A4-S32(2-6) | A4-S33(6-10) | A4-S34(0-2) | A4-S35(0-2) | A4-S24(2-6) | A4-S26(0-2) | A4-S26(6-10) | A4-S33(0-2) | A4-S22(0-2) | A4-S34(6-10) | A4-S22(2-6) | A4-S35(6-10) |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Phenylphthalate | ug/Kg | NE | NE | NE | NE | 3400 U | 3500 U | 3400 U | 3400 U | 3400 U | 3500 U | 3600 U | 3600 U | 3500 U | 3600 U | 3500 U | 3600 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3400 U | 3500 U | 3400 U | 1700 J | 3400 U | 2900 J | 2300 J | 3600 U | 980 J | 3600 U | 3500 U | 3600 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 3400 U | 3500 U | 3400 U | 630 J | 3400 U | 1000 J | 1000 J | 3600 U | 410 J | 3600 U | 3500 U | 3600 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 800 U | 720 J | 800 U | 1300 J | 1300 J | 800 U | 620 J | 800 U | 800 U | 800 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3400 U | 3500 U | 3400 U | 790 J | 3400 U | 1200 J | 2100 J | 3600 U | 440 J | 3600 U | 3500 U | 3600 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 800 U | 3400 U | 800 U | 460 J | 650 J | 800 U | 800 U | 800 U | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3400 U | 3500 U | 3400 U | 840 J | 3400 U | 1300 J | 1800 J | 3600 U | 480 J | 3600 U | 3500 U | 3600 U |
| Benzoic Acid | ug/Kg | NE | NE | NE | NE | | | | | | | | | | | | |
| Surrogates: | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 73 | 70 | 77 | 82 | 78 | 91 | 84 | 87 | 99 | 83 | 93 | 87 |
| 2,4,6-Tribromophenol | % | | | | | 57 | 52 | 100 | 71 | 59 | 70 | 23 | 48 | 81 | 74 | 85 | 71 |
| 2-Chlorophenol-d4 | % | | | | | 65 | 68 | 72 | 80 | 72 | 88 | 86 | 77 | 92 | 82 | 84 | 77 |
| 2-Fluorobiphenyl | % | | | | | 73 | 68 | 87 | 80 | 71 | 93 | 83 | 79 | 97 | 76 | 88 | 73 |
| 2-Fluorophenol | % | | | | | 69 | 67 | 73 | 83 | 67 | 90 | 79 | 74 | 96 | 72 | 83 | 75 |
| Nitrobenzene-d5 | % | | | | | 65 | 65 | 66 | 79 | 63 | 87 | 87 | 77 | 94 | 72 | 80 | 72 |
| Phenol-d5 | % | | | | | 58 | 52 | 62 | 80 | 59 | 87 | 71 | 66 | 90 | 68 | 74 | 64 |
| Terphenyl-d14 | % | | | | | 87 | 80 | 78 | 90 | 68 | 105 | 86 | 66 | 107 | 76 | 82 | 73 |

NE = Criterion Not Established
U = Not Detected
J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.
E = Analyte concentration exceeded the Calibration Range.
ug = Micrograms per Kilogram = Parts per Billion (ppb)
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Soil Quality Summary-SVOCs
Proposed Alogonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | |
|----------------------------|-------|-----------------|----------|---------------------------------------|--------------------------|------------|-------------|---------------|---------------|------------|---------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|----------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S37(0-2) | A4S37(6-10) | A4S37(6-10)EX | A4S37(6-10)EX | A4S39(0-2) | A4S39(0-2)DUP | A4S40(0-2) | A4S40(6-10) | A4S41(0-2) | A4S41(6-10) | A4S42(0-2) | A4S42(6-10) | A4S43(0-2) | A4S43(6-10) | A4S44(0-2) | A4S44(6-10) | A4S44(6-10)DUP |
| Sample ID | | | | | | 61312001 | 61312002 | 61312003 | 61312003DL | 61312004 | 61312005 | 61312006 | 61312007 | 61312008 | 61312009 | 61312010 | 61312011 | 61312012 | 61312013 | 61312014 | 61312015 | 61312017 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Chrysene | ug/Kg | 780000 | 10000000 | 780000 | NE | 3000 J | 1500 J | 23000 | 20000 D | 1600 J | 1200 J | 960 J | 3500 U | 3500 U | 3500 U | 1400 J | 3400 U | 3700 U | 3400 U | 3500 U | 3600 U | 3600 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | NE | NE | 410000 | NE | 3600 U | 3700 U | 3700 U | 15000 U | 3700 U | 3600 U | 3400 U | 3500 U | 3500 U | 3500 U | 3600 U | 3400 U | 3700 U | 3400 U | 3500 U | 3600 U | 3600 U |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3600 U | 3700 U | 3700 U | 15000 U | 3700 U | 3600 U | 3400 U | 3500 U | 3500 U | 3500 U | 3600 U | 3400 U | 3700 U | 3400 U | 3500 U | 3600 U | 3600 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 5000 | 1900 J | 25000 | 22000 D | 2900 J | 2100 J | 1400 J | 3500 U | 560 J | 3500 U | 2800 J | 3400 U | 470 J | 3400 U | 380 J | 420 J | 3600 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 1800 J | 720 J | 11000 | 7200 DJ | 1200 J | 780 J | 680 J | 3500 U | 3500 U | 3500 U | 1100 J | 3400 U | 3700 U | 3400 U | 3500 U | 3600 U | 3600 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 1800 | 770 J | 22000 | 18000 D | 780 J | 740 J | 600 J | 800 U | 800 U | 800 U | 560 J | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 1700 J | 510 J | 8600 | 8400 DJ | 930 J | 700 J | 510 J | 3500 U | 3500 U | 3500 U | 960 J | 3400 U | 3700 U | 3400 U | 3500 U | 3600 U | 3600 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 660 J | 800 U | 2900 | 3100 DJ | 390 J | 800 U | 800 U | 800 U | 800 U | 800 U | 380 J | 800 U | 800 U | 800 U | 800 U | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 1700 J | 480 J | 9100 | 9000 DJ | 830 J | 650 J | 460 J | 3500 U | 3500 U | 3500 U | 830 J | 3400 U | 3700 U | 3400 U | 3500 U | 3600 U | 3600 U |
| Surrogates: | | | | | | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 96 | 96 | 96 | 79 | 92 | 57 | 105 | 88 | 98 | 94 | 70 | 95 | 94 | 71 | 100 | 104 | 81 |
| 2,4,6-Tribromophenol | % | | | | | 94 | 85 | 72 | 38 | 88 | 54 | 85 | 48 | 75 | 31 | 74 | 57 | 55 | 38 | 57 | 78 | 40 |
| 2-Chlorophenol-d4 | % | | | | | 97 | 95 | 94 | 69 | 94 | 59 | 104 | 88 | 97 | 73 | 72 | 96 | 95 | 72 | 98 | 106 | 84 |
| 2-Fluorobiphenyl | % | | | | | 100 | 104 | 108 | 82 | 97 | 64 | 108 | 90 | 99 | 87 | 76 | 100 | 96 | 75 | 105 | 105 | 86 |
| 2-Fluorophenol | % | | | | | 96 | 94 | 90 | 71 | 93 | 60 | 106 | 86 | 96 | 69 | 72 | 95 | 94 | 73 | 102 | 108 | 78 |
| Nitrobenzene-d5 | % | | | | | 84 | 88 | 97 | 59 | 84 | 53 | 95 | 80 | 85 | 74 | 67 | 89 | 78 | 65 | 94 | 94 | 74 |
| Phenol-d5 | % | | | | | 92 | 93 | 94 | 67 | 91 | 56 | 103 | 87 | 96 | 76 | 72 | 94 | 94 | 73 | 97 | 105 | 80 |
| Terphenyl-d14 | % | | | | | 120 | 133 | 102 | 80 | 120 | 80 | 130 | 101 | 107 | 80 | 86 | 103 | 97 | 86 | 112 | 123 | 84 |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

: Analyte concentration exceeded the Calibration Range.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Alogonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result |
|-----------------------------|-------|-----------------|----------|---------------------------------------|--------------------------|-------------|----------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S39(6-10) | A4S39(6-10)DUP |
| Sub ID | | | | 0'-2' | > 2'-10' | 61312018 | 61312019 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 |
| Phenol | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| bis(2-Chloroethyl)Ether | ug/Kg | NE | NE | 5200 | NE | 3800 U | 4000 U |
| 2-Chlorophenol | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | 240000 | NE | 3800 U | 4000 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| 2-Methylphenol | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 4-Methylphenol | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| N-Nitroso-di-n-propylamine | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Hexachloroethane | ug/Kg | NE | NE | 410000 | NE | 3800 U | 4000 U |
| Nitrobenzene | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Isophorone | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 2-Nitrophenol | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 2,4-Dimethylphenol | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| 2,4-Dichlorophenol | ug/Kg | NE | NE | 6100000 | NE | 3800 U | 4000 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| Naphthalene | ug/Kg | 10000000 | 5000000 | 10000000 | NE | 3800 U | 4000 U |
| 4-Chloroaniline | ug/Kg | NE | NE | 8200000 | NE | 3800 U | 4000 U |
| bis(2-Chloroethoxy)methane | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | 73000 | NE | 3800 U | 4000 U |
| 4-Chloro-3-Methylphenol | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 2-Methylnaphthalene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| Hexachlorocyclopentadiene | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 4,6-Trichlorophenol | ug/Kg | NE | NE | 520000 | NE | 3800 U | 4000 U |
| 1,2,4,5-Trichlorophenol | ug/Kg | NE | NE | 10000000 | NE | 7700 U | 8200 U |
| 1-Chloronaphthalene | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 2-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7700 U | 8200 U |
| Dimethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| Acenaphthylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| 2,6-Dinitrotoluene | ug/Kg | 10000000 | 10000000 | NE | NE | 3800 U | 4000 U |
| 3-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7700 U | 8200 U |
| Acenaphthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| 2,4-Dinitrophenol | ug/Kg | NE | NE | 4100000 | NE | 7700 U | 8200 U |
| 4-Nitrophenol | ug/Kg | NE | NE | NE | NE | 7700 U | 8200 U |
| Dibenzofuran | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 2,4-Dinitrotoluene | ug/Kg | NE | NE | 8400 | NE | 3800 U | 4000 U |
| Diethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 4000 U |
| 4-Chlorophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Fluorene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| 4-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7700 U | 8200 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | NE | NE | NE | NE | 7700 U | 8200 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 4-Bromophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Hexachlorobenzene | ug/Kg | NE | NE | 3600 | NE | 3800 U | 4000 U |
| Pentachlorophenol | ug/Kg | 48000 | 10000000 | 48000 | NE | 7700 U | 8200 U |
| Phenanthrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| Anthracene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| Carbazole | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Di-n-butylphthalate | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Fluoranthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| Fluorene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| Diethylbenzylphthalate | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| 1,2-Dichlorobenzidine | ug/Kg | NE | NE | 13000 | NE | 3800 U | 4000 U |
| Benzo(a)anthracene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3800 U | 4000 U |

Table 3a
Soil Quality Summary-SVOCs
Proposed Alogonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result |
|----------------------------|-------|-----------------|----------|---------------------------------------|--------------------------|-------------|----------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S39(6-10) | A4S39(6-10)DUP |
| Sample ID | | | | | | 61312018 | 61312019 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 |
| Chrysene | ug/Kg | 780000 | 10000000 | 780000 | NE | 3800 U | 4000 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | NE | NE | 410000 | NE | 3800 U | 4000 U |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3800 U | 4000 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3800 U | 4000 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 3800 U | 4000 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3800 U | 4000 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 4000 U |
| Surrogates: | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 84 | 76 |
| 2,4,6-Tribromophenol | % | | | | | 69 | 53 |
| 2-Chlorophenol-d4 | % | | | | | 88 | 78 |
| 2-Fluorobiphenyl | % | | | | | 89 | 80 |
| 2-Fluorophenol | % | | | | | 87 | 80 |
| Nitrobenzene-d5 | % | | | | | 79 | 69 |
| Phenol-d5 | % | | | | | 86 | 78 |
| Terphenyl-d14 | % | | | | | 94 | 79 |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

! Analyte concentration exceeded the Calibration Range.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEW Objectives | | Result | Result | Result | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|----------|---------------------------------------|--------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S56(0-2) | A4S56(6-10) | A4S57(0-2) | A4S57(6-10) | A4S58(0-2) | A4S58(6-10) | A4S59(0-2) | A4S59(6-10) |
| Sample ID | | | | | | | | | | | | | |
| Lab ID | | | | | | 61314001 | 61314002 | 61314003 | 61314004 | 61314005 | 61314006 | 61314007 | 61314008 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Phenol | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| bis(2-Chloroethyl)Ether | ug/Kg | NE | NE | 5200 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2-Chlorophenol | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 1,3-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 1,4-Dichlorobenzene | ug/Kg | NE | NE | 240000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 1,2-Dichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2-Methylphenol | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 4-Methylphenol | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| N-Nitroso-di-n-propylamine | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Hexachloroethane | ug/Kg | NE | NE | 410000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Nitrobenzene | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Isophorone | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2-Nitrophenol | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,4-Dimethylphenol | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,4-Dichlorophenol | ug/Kg | NE | NE | 6100000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 1,2,4-Trichlorobenzene | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Naphthalene | ug/Kg | 10000000 | 5000000 | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 530 J | 3600 U | 3400 U | 3400 U |
| 4-Chloroaniline | ug/Kg | NE | NE | 8200000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| bis(2-Chloroethoxy)methane | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Hexachlorobutadiene | ug/Kg | NE | NE | 73000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 4-Chloro-3-Methylphenol | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2-Methylnaphthalene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Hexachlorocyclopentadiene | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,4,6-Trichlorophenol | ug/Kg | NE | NE | 520000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,4,5-Trichlorophenol | ug/Kg | NE | NE | 10000000 | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| 2-Chloronaphthalene | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| Dimethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Acenaphthylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 1200 J | 3900 U | 450 J | 1600 J | 3400 U | 3400 U |
| 2,6-Dinitrotoluene | ug/Kg | 10000000 | 10000000 | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 3-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| Acenaphthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,4-Dinitrophenol | ug/Kg | NE | NE | 4100000 | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| 4-Nitrophenol | ug/Kg | NE | NE | NE | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| Dibenzofuran | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 2,4-Dinitrotoluene | ug/Kg | NE | NE | 8400 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Diethylphthalate | ug/Kg | NE | NE | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 4-Chlorophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Fluorene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 4-Nitroaniline | ug/Kg | NE | NE | NE | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | NE | NE | NE | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 4-Bromophenyl-phenylether | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Hexachlorobenzene | ug/Kg | NE | NE | 3600 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Pentachlorophenol | ug/Kg | 48000 | 10000000 | 48000 | NE | 7600 U | 7100 U | 7000 U | 7900 U | 7100 U | 7400 U | 6900 U | 6800 U |
| Phenanthrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 680 J | 3900 U | 660 J | 1500 J | 3400 U | 3400 U |
| Anthracene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 710 J | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Carbazole | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 520 J | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Di-n-butylphthalate | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Fluoranthene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 380 J | 3500 U | 9700 | 540 J | 2100 J | 1500 J | 1200 J | 360 J |
| Pyrene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 3800 U | 3500 U | 11000 | 440 J | 1600 J | 3200 J | 920 J | 3400 U |

Table 3a
Soil Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result |
|----------------------------|-------|-----------------|----------|---------------------------------------|--------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S56(0-2) | A4S56(6-10) | A4S57(0-2) | A4S57(6-10) | A4S58(0-2) | A4S58(6-10) | A4S59(0-2) | A4S59(6-10) |
| Lab ID | | | | | | 61314001 | 61314002 | 61314003 | 61314004 | 61314005 | 61314006 | 61314007 | 61314008 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Butylbenzylphthalate | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| 3,3-Dichlorobenzidine | ug/Kg | NE | NE | 13000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Benzo(a)anthracene | ug/Kg | 7800 | 10000000 | 7800 | NE | 3800 U | 3500 U | 8500 | 3900 U | 1400 J | 830 J | 640 J | 3400 U |
| Chrysene | ug/Kg | 780000 | 10000000 | 780000 | NE | 480 J | 3500 U | 7600 | 420 J | 2100 J | 860 J | 740 J | 3400 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | NE | NE | 410000 | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Di-n-octylphthalate | ug/Kg | NE | NE | NE | NE | 3800 U | 3500 U | 3400 U | 3900 U | 3500 U | 3600 U | 3400 U | 3400 U |
| Benzo(b)fluoranthene | ug/Kg | 7800 | 10000000 | 7800 | NE | 1400 J | 3500 U | 12000 | 540 J | 4400 | 630 J | 1400 J | 3400 U |
| Benzo(k)fluoranthene | ug/Kg | 78000 | 10000000 | 78000 | NE | 430 J | 3500 U | 4700 | 3900 U | 1400 J | 3600 U | 580 J | 3400 U |
| Benzo(a)pyrene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 6100 | 800 U | 1100 | 420 J | 470 J | 800 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 7800 | 10000000 | 7800 | NE | 670 J | 3500 U | 2900 J | 3900 U | 1200 J | 3600 U | 590 J | 3400 U |
| Dibenzo(a,h)anthracene | ug/Kg | 800 | 10000000 | 800 | NE | 800 U | 800 U | 1100 | 800 U | 480 J | 800 U | 800 U | 800 U |
| Benzo(g,h,i)perylene | ug/Kg | 10000000 | 10000000 | 10000000 | NE | 630 J | 3500 U | 2400 J | 3900 U | 1100 J | 3600 U | 550 J | 3400 U |
| Surrogates: | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | | 57 | 60 | 78 | 60 | 74 | 72 | 80 | 87 |
| 2,4,6-Tribromophenol | % | | | | | 49 | 56 | 67 | 59 | 62 | 67 | 69 | 68 |
| 2-Chlorophenol-d4 | % | | | | | 53 | 62 | 74 | 61 | 68 | 70 | 79 | 87 |
| 2-Fluorobiphenyl | % | | | | | 55 | 62 | 82 | 65 | 76 | 76 | 82 | 88 |
| 2-Fluorophenol | % | | | | | 52 | 61 | 74 | 61 | 71 | 65 | 79 | 88 |
| Nitrobenzene-d5 | % | | | | | 54 | 58 | 74 | 56 | 66 | 76 | 78 | 85 |
| Phenol-d5 | % | | | | | 50 | 60 | 69 | 63 | 66 | 67 | 79 | 87 |
| Terphenyl-d14 | % | | | | | 59 | 63 | 87 | 68 | 82 | 83 | 81 | 90 |

NE = Criterion Not Established

U = Not Detected

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|
| Sample ID | | | | A4-A5 | A4-A55 |
| Lab ID | | | | 61293023 | 61293024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 2 J |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 4 J | 12 |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 1 J | 5 U |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result |
|-----------------------------|-------|-----------------|------------------|--------------|---------------|
| Sample ID | | GA Groundwater | GB Groundwater | A4-A5 | A4-A55 |
| Lab ID | | | | 61293023 | 61293024 |
| Sample Date | | | | 07-12-99 | 07-12-99 |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 4 J |
| Xylene (Total) | ug/l | NE | NE | 5 U | 3 J |
| Styrene | ug/l | NE | 2200 | 5 U | 1 J |
| Bromoform | ug/l | NE | NE | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 2 J |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 2 J |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 2 J |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 1 JB | 1 JB |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U |

U= Not detected

mg/= Miligrams per Liter= Parts per Million (ppm)

RAWP= Remedial Action Network Plan

RIDEM Rhode Island Department of Environmental Management

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 5 U | 5 U | 4 J | 4 J |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 5 U | 5 U | 53 | 53 |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 5 U | 490 E | 510 E |
| Xylene (Total) | ug/l | NE | NE | 5 U | 5 U | 1600 E | 1700 E |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 5 U | 42 | 44 |
| 1,1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |

Table 2B

Groundwater Quality Summary-VOCs

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|--------------|-----------------|--------------|-----------------|
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 12 | 5 U |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 240 E | 250 E |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 520 E | 540 E |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U | 6 | 6 |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 5 U | 5 U | 6500 E | 6200 E |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|----------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | 5000 | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 5 U | 5 U | 7 |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 5 U | 5 U | 4 J |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 5 U | 14 |
| Xylene (Total) | ug/l | NE | NE | 5 U | 5 U | 61 |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 5 U | 3 J |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 6 |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 18 |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 65 |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 5 B | 2 JB | 540 EB |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|----------|----------|----------|
| Sample ID | | | | A4A18 | A4A33 | A426 | A422 | A4A3 |
| Lab ID | | | | 61305027 | 61305028 | 61305031 | 61305032 | 61305029 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 2 J | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 1800 E | 4 J | 20 | 15 | 1 J |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 110 | 2 J | 12 | 8 | 5 U |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 410 E | 5 U | 22 | 5 U | 5 U |
| Xylene (Total) | ug/l | NE | NE | 1900 E | 2 J | 80 | 5 U | 5 U |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 44 | 5 U | 4 J | 5 U | 5 U |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 1 J | 5 U | 5 U |

Table 2b

Groundwater Quality Summary-VOCs

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Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|--------------|--------------|-------------|-------------|-------------|
| Sample ID | | | | A4A18 | A4A33 | A426 | A422 | A4A3 |
| Lab ID | | | | 61305027 | 61305028 | 61305031 | 61305032 | 61305029 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 230 E | 5 U | 22 | 5 U | 5 U |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 520 E | 1 J | 56 | 5 U | 5 U |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 89 | 5 U | 5 U | 5 U | 5 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 440 E | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 9800 EE | 550 EE | 830 EB | 24 B | 60 B |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result | Units | Result |
|---------------------------|-------|----------|----------|----------|----------|-------|----------|
| Sample ID | | Trip | VBLK2E | VBLK2F | VBLK2G | | Trip |
| Lab ID | | 61293026 | V2B0714A | V2B0714B | V2B0715A | | 61293025 |
| Sample Date | | 07-12-99 | 07-14-99 | 07-15-99 | 07-15-99 | | 07-12-99 |
| Dichlorodifluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Vinyl Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Trichlorofluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Acetone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Iodomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Carbon Disulfide | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Methylene Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| trans-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Methyl tert-butyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Vinyl acetate | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| cis-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Butanone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chloroform | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,1-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Carbon Tetrachloride | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Benzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Trichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Dibromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromodichloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Chloroethyl vinyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| cis-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 4-Methyl-2-pentanone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Toluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| trans-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,2-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,3-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Tetrachloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Hexanone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Dibromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dibromoethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result | Units | Result |
|-----------------------------|-------|----------|----------|----------|----------|-------|----------|
| Sample ID | | Trip | VBLK2E | VBLK2F | VBLK2G | | Trip |
| Lab ID | | 61293026 | V2B0714A | V2B0714B | V2B0715A | | 61293025 |
| Sample Date | | 07-12-99 | 07-14-99 | 07-15-99 | 07-15-99 | | 07-12-99 |
| Ethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Xylene (Total) | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Styrene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromoform | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Isopropylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,2,2-Tetrachloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2,3-Trichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| n-Propylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Chlorotoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,3,5-Trimethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 4-Chlorotoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| tert-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2,4-Trimethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| sec-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,3-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 4-Isopropyltoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,4-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| n-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Hexachlorobutadiene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Naphthalene | ug/Kg | 250 U | 60 J | 250 U | 55 J | ug/l | 5 U |
| 1,2,3-Trichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Surrogates: | | | | | | | |
| 1,2-Dichloroethane-d4 | % | | 88 | 92 | 89 | | |
| Bromofluorobenzene | % | | 100 | 104 | 101 | | |
| Dibromofluoromethane | % | | 95 | 92 | 94 | | |
| Toluene-d8 | % | | 97 | 96 | 99 | | |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|----------|----------|
| | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Sample ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Lab ID | | | | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Sample Date | | GA Groundwater | GB Groundwater | | | | |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 5 U | 5 U | 4 J | 4 J |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 5 U | 5 U | 53 | 53 |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 5 U | 490 E | 510 E |
| Xylene (Total) | ug/l | NE | NE | 5 U | 5 U | 1600 E | 1700 E |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 5 U | 42 | 44 |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 12 | 5 U |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 240 E | 250 E |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 520 E | 540 E |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U | 6 | 6 |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 5 U | 5 U | 6500 E | 6200 E |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Result | Result |
|---------------------------|-------|----------|-------|----------|----------|----------|----------|
| Sample ID | | Trip(GW) | | Trip(S) | VBLK2H | VBLK5F | VBLK5G |
| Lab ID | | 61303025 | | 61303026 | V2B0717B | V5B0715C | V5B0716B |
| Sample Date | | 07-13-99 | | 07-13-99 | 07-17-99 | 07-15-99 | 07-16-99 |
| Dichlorodifluoromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl Chloride | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromomethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichlorofluoromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Acetone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 260 | 110 J |
| Iodomethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Disulfide | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methylene Chloride | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methyl tert-butyl ether | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,2-Dichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl acetate | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,2-Dichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Butanone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromochloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroform | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,1-Trichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloropropene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Tetrachloride | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Benzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromomethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromodichloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,3-Dichloropropene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Methyl-2-pentanone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Toluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,3-Dichloropropene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2-Trichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Tetrachloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Hexanone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromochloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromoethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |

Table 2c

Soil and Groundwater QAQC-VOCs

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Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Result | Result |
|-----------------------------|-------|----------|-------|----------|----------|----------|----------|
| Sample ID | | Trip(GW) | | Trip(S) | VBLK2H | VBLK5F | VBLK5G |
| Lab ID | | 61303025 | | 61303026 | V2B0717B | V5B0715C | V5B0716B |
| Sample Date | | 07-13-99 | | 07-13-99 | 07-17-99 | 07-15-99 | 07-16-99 |
| 1,1,1,2-Tetrachloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Ethylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Xylene (Total) | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Styrene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromoform | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Isopropylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2,2-Tetrachloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,3-Trichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| n-Propylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chlorotoluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3,5-Trimethylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Chlorotoluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| tert-Butylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,4-Trimethylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| sec-Butylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Isopropyltoluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,4-Dichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| n-Butylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromo-3-chloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,4-Trichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Hexachlorobutadiene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Naphthalene | ug/l | 13 B | ug/Kg | 86 JB | 110 J | 250 U | 85 J |
| 1,2,3-Trichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 54 J |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result | Result | Result |
|---------------------------|-------|----------|----------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP (A) | TRIP (S) | | VBLK2H | VBLK2I | VBLK2N | VBLK2P |
| Lab ID | | 61305033 | 61305034 | | V2B0717B | V2B0719A | V2B0722A | V2B0723A |
| Sample Date | | 07-13-99 | 07-13-99 | | 07-17-99 | 07-19-99 | 07-22-99 | 07-23-99 |
| Dichlorodifluoromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Vinyl Chloride | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromomethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Trichlorofluoromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1-Dichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Acetone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Iodomethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Carbon Disulfide | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Methylene Chloride | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| trans-1,2-Dichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Methyl tert-butyl ether | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1-Dichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Vinyl acetate | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| cis-1,2-Dichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2,2-Dichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Butanone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromochloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chloroform | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,1-Trichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1-Dichloropropene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Carbon Tetrachloride | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Benzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Trichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Dibromomethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromodichloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| cis-1,3-Dichloropropene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 4-Methyl-2-pentanone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Toluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| trans-1,3-Dichloropropene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,2-Trichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,3-Dichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Tetrachloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Hexanone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Dibromochloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dibromoethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,1,2-Tetrachloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Ethylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Xylene (Total) | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Styrene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromoform | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Isopropylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,2,2-Tetrachloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2,3-Trichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| n-Propylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Chlorotoluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,3,5-Trimethylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 4-Chlorotoluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |

Table 2c

Soil and Groundwater QAQC-VOCs

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Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result | Result | Result |
|-----------------------------|-------|----------|----------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP (A) | TRIP (S) | | VBLK2H | VBLK2I | VBLK2N | VBLK2P |
| Lab ID | | 61305033 | 61305034 | | V2B0717B | V2B0719A | V2B0722A | V2B0723A |
| Sample Date | | 07-13-99 | 07-13-99 | | 07-17-99 | 07-19-99 | 07-22-99 | 07-23-99 |
| tert-Butylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2,4-Trimethylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| sec-Butylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,3-Dichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 4-Isopropyltoluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,4-Dichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| n-Butylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dibromo-3-chloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2,4-Trichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Hexachlorobutadiene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Naphthalene | ug/l | 5 B | 18 B | ug/Kg | 110 J | 79 J | 120 J | 120 J |
| 1,2,3-Trichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 80 J | 500 U | 250 U |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result |
|---------------------------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP(S) | VBLK2N | VBLK2O | VBLK2P |
| Lab ID | | 61312016 | V2B0722A | V2B0722B | V2B0723A |
| Sample Date | | 07-14-99 | 07-22-99 | 07-23-99 | 07-23-99 |
| Dichlorodifluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichlorofluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Acetone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Iodomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Disulfide | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methylene Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methyl tert-butyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl acetate | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Butanone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroform | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,1-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Tetrachloride | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Benzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromodichloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Methyl-2-pentanone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Toluene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Tetrachloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Hexanone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromoethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|
| Sample ID | | | | A4-A5 | A4-A55 |
| Lab ID | | | | 61293023 | 61293024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 2 J |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 4 J | 12 |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 1 J | 5 U |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result |
|-----------------------------|-------|-----------------|------------------|--------------|---------------|
| Sample ID | | | | A4-A5 | A4-A55 |
| Lab ID | | | | 61293023 | 61293024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 4 J |
| Xylene (Total) | ug/l | NE | NE | 5 U | 3 J |
| Styrene | ug/l | NE | 2200 | 5 U | 1 J |
| Bromoform | ug/l | NE | NE | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 2 J |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 2 J |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 2 J |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 1 JB | 1 JB |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U |

U= Not detected

mg/= Milligrams per Liter= Parts per Million (ppm)

RAWP= Remedial Action Network Plan

RIDEM Rhode Island Department of Environmental Management

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|----------|----------|
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 5 U | 5 U | 4 J | 4 J |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 5 U | 5 U | 53 | 53 |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 5 U | 490 E | 510 E |
| Xylene (Total) | ug/l | NE | NE | 5 U | 5 U | 1600 E | 1700 E |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 5 U | 42 | 44 |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |

Table 2B

Groundwater Quality Summary-VOCs

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Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 12 | 5 U |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 240 E | 250 E |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 520 E | 540 E |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U | 6 | 6 |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 5 U | 5 U | 6500 E | 6200 E |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|---------------------------|-------|-----------------|------------------|--------------|--------------|--------------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | 5000 | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 5 U | 5 U | 7 |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 5 U | 5 U | 4 J |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 5 U | 14 |
| Xylene (Total) | ug/l | NE | NE | 5 U | 5 U | 61 |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 5 U | 3 J |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 6 |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 18 |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 65 |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 5 B | 2 JB | 540 EB |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|---------------------------|-------|-----------------|------------------|----------|----------|----------|----------|----------|
| | | | | A4A1B | A4A33 | A426 | A422 | A4A3 |
| Sample ID | | | | 61305027 | 61305028 | 61305031 | 61305032 | 61305029 |
| Lab ID | | | | | | | | |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 2 J | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 1800 E | 4 J | 20 | 15 | 1 J |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 110 | 2 J | 12 | 8 | 5 U |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 410 E | 5 U | 22 | 5 U | 5 U |
| Xylene (Total) | ug/l | NE | NE | 1900 E | 2 J | 80 | 5 U | 5 U |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 44 | 5 U | 4 J | 5 U | 5 U |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 1 J | 5 U | 5 U |

Table 2b
Groundwater Quality Summary-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|----------|
| Sample ID | | | | A4A18 | A4A33 | A426 | A422 | A4A3 |
| Lab ID | | | | 61305027 | 61305028 | 61305031 | 61305032 | 61305029 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 230 E | 5 U | 22 | 5 U | 5 U |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 520 E | 1 J | 56 | 5 U | 5 U |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 89 | 5 U | 5 U | 5 U | 5 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 440 E | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | 9800 EB | 550 EB | 830 EB | 24 B | 60 B |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U | 5 U |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result | Units | Result |
|---------------------------|-------|----------|----------|----------|----------|-------|----------|
| Sample ID | | Trip | VBLK2E | VBLK2F | VBLK2G | | Trip |
| Lab ID | | 61293026 | V2B0714A | V2B0714B | V2B0715A | | 61293025 |
| Sample Date | | 07-12-99 | 07-14-99 | 07-15-99 | 07-15-99 | | 07-12-99 |
| Dichlorodifluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Vinyl Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Trichlorofluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Acetone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Iodomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Carbon Disulfide | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Methylene Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| trans-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Methyl tert-butyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Vinyl acetate | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| cis-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Butanone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chloroform | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,1-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Carbon Tetrachloride | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Benzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Trichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Dibromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromodichloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Chloroethyl vinyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| cis-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 4-Methyl-2-pentanone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Toluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| trans-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,2-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,3-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Tetrachloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Hexanone | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Dibromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dibromoethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Chlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result | Units | Result |
|-----------------------------|-------|----------|----------|----------|----------|-------|----------|
| Sample ID | | Trip | VBLK2E | VBLK2F | VBLK2G | | Trip |
| Lab ID | | 61293026 | V2B0714A | V2B0714B | V2B0715A | | 61293025 |
| Sample Date | | 07-12-99 | 07-14-99 | 07-15-99 | 07-15-99 | | 07-12-99 |
| Ethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Xylene (Total) | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Styrene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromoform | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Isopropylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,1,2,2-Tetrachloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Bromobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2,3-Trichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| n-Propylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 2-Chlorotoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,3,5-Trimethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 4-Chlorotoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| tert-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2,4-Trimethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| sec-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,3-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 4-Isopropyltoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,4-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| n-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Hexachlorobutadiene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| Naphthalene | ug/Kg | 250 U | 60 J | 250 U | 55 J | ug/l | 5 U |
| 1,2,3-Trichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U | ug/l | 5 U |
| | | | | | | | |
| Surrogates: | | | | | | | |
| 1,2-Dichloroethane-d4 | % | | 88 | 92 | 89 | | |
| Bromofluorobenzene | % | | 100 | 104 | 101 | | |
| Dibromofluoromethane | % | | 95 | 92 | 94 | | |
| Toluene-d8 | % | | 97 | 96 | 99 | | |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP | RIDEM | Result | | Result | |
|---------------------------|-------|----------------|----------------|----------|----------|----------|----------|
| | | Objectives | Objectives | Result | Result | Result | Result |
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Dichlorodifluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Trichlorofluoromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Acetone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Iodomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Disulfide | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methylene Chloride | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| trans-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Methyl tert-butyl ether | ug/l | NE | 5000 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Vinyl acetate | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,2-Dichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2,2-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Butanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chloroform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,1-Trichloroethane | ug/l | NE | 3100 | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | ug/l | NE | 70 | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloroethane | ug/l | NE | 110 | 5 U | 5 U | 5 U | 5 U |
| Benzene | ug/l | NE | 140 | 5 U | 5 U | 4 J | 4 J |
| Trichloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | ug/l | NE | 3000 | 5 U | 5 U | 5 U | 5 U |
| Dibromomethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Chloroethyl vinyl ether | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| cis-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Toluene | ug/l | NE | 1700 | 5 U | 5 U | 53 | 53 |
| trans-1,3-Dichloropropene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,1,2-Trichloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 2-Hexanone | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromoethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | ug/l | NE | 3200 | 5 U | 5 U | 5 U | 5 U |
| 1,1,1,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Ethylbenzene | ug/l | NE | 1600 | 5 U | 5 U | 490 E | 510 E |
| Xylene (Total) | ug/l | NE | NE | 5 U | 5 U | 1600 E | 1700 E |
| Styrene | ug/l | NE | 2200 | 5 U | 5 U | 5 U | 5 U |
| Bromoform | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Isopropylbenzene | ug/l | NE | NE | 5 U | 5 U | 42 | 44 |
| 1,1,2,2-Tetrachloroethane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,3-Trichloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| n-Propylbenzene | ug/l | NE | NE | 5 U | 5 U | 12 | 5 U |
| 2-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3,5-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 240 E | 250 E |

Table 2c

Soil and Groundwater QAQC-VOCs

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Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|--------------|-----------------|--------------|-----------------|
| Sample ID | | | | A4S50 | A4S50DUP | A4A16 | A4A16DUP |
| Lab ID | | | | 61296027 | 61296028 | 61296018 | 61296019 |
| Sample Date | | GA Groundwater | GR Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| 4-Chlorotoluene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| tert-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trimethylbenzene | ug/l | NE | NE | 5 U | 5 U | 520 E | 540 E |
| sec-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 4-Isopropyltoluene | ug/l | NE | NE | 5 U | 5 U | 6 | 6 |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| n-Butylbenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dibromo-3-chloropropane | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Hexachlorobutadiene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |
| Naphthalene | ug/l | NE | NE | .5 U | 5 U | 6500 E | 6200 E |
| 1,2,3-Trichlorobenzene | ug/l | NE | NE | 5 U | 5 U | 5 U | 5 U |

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Result | Result |
|---------------------------|-------|----------|-------|----------|----------|----------|----------|
| Sample ID | | Trip(GW) | | Trip(S) | VBLK2H | VBLK5F | VBLK5G |
| Lab ID | | 61303025 | | 61303026 | V2B0717B | V5B0715C | V5B0716B |
| Sample Date | | 07-13-99 | | 07-13-99 | 07-17-99 | 07-15-99 | 07-16-99 |
| Dichlorodifluoromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl Chloride | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromomethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichlorofluoromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Acetone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 260 | 110 J |
| Iodomethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Disulfide | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methylene Chloride | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methyl tert-butyl ether | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,2-Dichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl acetate | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,2-Dichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Butanone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromochloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroform | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,1-Trichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloropropene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Tetrachloride | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Benzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromomethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromodichloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,3-Dichloropropene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Methyl-2-pentanone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Toluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,3-Dichloropropene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2-Trichloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Tetrachloroethene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Hexanone | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromochloromethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromoethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |

Table 2c

Soil and Groundwater QAQC-VOCs

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Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Result | Result |
|-----------------------------|-------|----------|-------|----------|----------|----------|----------|
| Sample ID | | Trip(GW) | | Trip(S) | VBLK2H | VBLK5F | VBLK5G |
| Lab ID | | 61303025 | | 61303026 | V2B0717B | V5B0715C | V5B0716B |
| Sample Date | | 07-13-99 | | 07-13-99 | 07-17-99 | 07-15-99 | 07-16-99 |
| 1,1,1,2-Tetrachloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Ethylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Xylene (Total) | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Styrene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromoform | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Isopropylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2,2-Tetrachloroethane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,3-Trichloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| n-Propylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chlorotoluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3,5-Trimethylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Chlorotoluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| tert-Butylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,4-Trimethylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| sec-Butylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Isopropyltoluene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,4-Dichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| n-Butylbenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromo-3-chloropropane | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,4-Trichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Hexachlorobutadiene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Naphthalene | ug/l | 13 B | ug/Kg | 86 JB | 110 J | 250 U | 85 J |
| 1,2,3-Trichlorobenzene | ug/l | 5 U | ug/Kg | 250 U | 250 U | 250 U | 54 J |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result | Result | Result |
|---------------------------|-------|----------|----------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP (A) | TRIP (S) | | VBLK2H | VBLK2I | VBLK2N | VBLK2P |
| Lab ID | | 61305033 | 61305034 | | V2B0717B | V2B0719A | V2B0722A | V2B0723A |
| Sample Date | | 07-13-99 | 07-13-99 | | 07-17-99 | 07-19-99 | 07-22-99 | 07-23-99 |
| Dichlorodifluoromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Vinyl Chloride | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromomethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Trichlorofluoromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1-Dichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Acetone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Iodomethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Carbon Disulfide | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Methylene Chloride | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| trans-1,2-Dichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Methyl tert-butyl ether | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1-Dichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Vinyl acetate | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| cis-1,2-Dichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2,2-Dichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Butanone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromochloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chloroform | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,1-Trichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1-Dichloropropene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Carbon Tetrachloride | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Benzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Trichloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Dibromomethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromodichloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| cis-1,3-Dichloropropene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 4-Methyl-2-pentanone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Toluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| trans-1,3-Dichloropropene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,2-Trichloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,3-Dichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Tetrachloroethene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Hexanone | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Dibromochloromethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dibromoethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Chlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,1,2-Tetrachloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Ethylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Xylene (Total) | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Styrene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromoform | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Isopropylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,1,2,2-Tetrachloroethane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Bromobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2,3-Trichloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| n-Propylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 2-Chlorotoluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,3,5-Trimethylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 4-Chlorotoluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |

Table 2c

Soil and Groundwater QAQC-VOCs

J:\P151-000\P151-000.10\Analytical Data\VOCs\Final Tables\Tables 2c

Table 2c
Soil and Groundwater QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result | Result | Result |
|-----------------------------|-------|----------|----------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP (A) | TRIP (S) | | VBLK2H | VBLK2I | VBLK2N | VBLK2P |
| Lab ID | | 61305033 | 61305034 | | V2B0717B | V2B0719A | V2B0722A | V2B0723A |
| Sample Date | | 07-13-99 | 07-13-99 | | 07-17-99 | 07-19-99 | 07-22-99 | 07-23-99 |
| tert-Butylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2,4-Trimethylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| sec-Butylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,3-Dichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 4-Isopropyltoluene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,4-Dichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| n-Butylbenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2-Dibromo-3-chloropropane | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| 1,2,4-Trichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Hexachlorobutadiene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 250 U | 500 U | 250 U |
| Naphthalene | ug/l | 5 B | 18 B | ug/Kg | 110 J | 79 J | 120 J | 120 J |
| 1,2,3-Trichlorobenzene | ug/l | 5 U | 5 U | ug/Kg | 250 U | 80 J | 500 U | 250 U |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result |
|---------------------------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP(S) | VBLK2N | VBLK2O | VBLK2P |
| Lab ID | | 61312016 | V2B0722A | V2B0722B | V2B0723A |
| Sample Date | | 07-14-99 | 07-22-99 | 07-23-99 | 07-23-99 |
| Dichlorodifluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichlorofluoromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Acetone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Iodomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Disulfide | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methylene Chloride | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Methyl tert-butyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Vinyl acetate | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,2-Dichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Butanone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chloroform | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,1-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Carbon Tetrachloride | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Benzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Trichloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromomethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromodichloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| cis-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Methyl-2-pentanone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Toluene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| trans-1,3-Dichloropropene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2-Trichloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Tetrachloroethene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Hexanone | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Dibromochloromethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromoethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Chlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |

Table 2c
Soil QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Result | Result |
|-----------------------------|-------|----------|----------|----------|----------|
| Sample ID | | TRIP(S) | VBLK2N | VBLK2O | VBLK2P |
| Lab ID | | 61312016 | V2B0722A | V2B0722B | V2B0723A |
| Sample Date | | 07-14-99 | 07-22-99 | 07-23-99 | 07-23-99 |
| 1,1,1,2-Tetrachloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Ethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Xylene (Total) | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Styrene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromoform | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Isopropylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,1,2,2-Tetrachloroethane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Bromobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,3-Trichloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| n-Propylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 2-Chlorotoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3,5-Trimethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Chlorotoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| tert-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,4-Trimethylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| sec-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,3-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 4-Isopropyltoluene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,4-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| n-Butylbenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Hexachlorobutadiene | ug/Kg | 250 U | 250 U | 250 U | 250 U |
| Naphthalene | ug/Kg | 250 U | 62 J | 100 J | 120 J |
| 1,2,3-Trichlorobenzene | ug/Kg | 250 U | 250 U | 250 U | 250 U |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 2c
Soil QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result |
|---------------------------|-------|----------|----------|
| Sample ID | | TRIP | VBLK2P |
| Lab ID | | 61314009 | V2B0723A |
| Sample Date | | 07-14-99 | 07-23-99 |
| Dichlorodifluoromethane | ug/Kg | 250 U | 250 U |
| Chloromethane | ug/Kg | 250 U | 250 U |
| Vinyl Chloride | ug/Kg | 250 U | 250 U |
| Bromomethane | ug/Kg | 250 U | 250 U |
| Chloroethane | ug/Kg | 250 U | 250 U |
| Trichlorofluoromethane | ug/Kg | 250 U | 250 U |
| 1,1-Dichloroethene | ug/Kg | 250 U | 250 U |
| Acetone | ug/Kg | 250 U | 250 U |
| Iodomethane | ug/Kg | 250 U | 250 U |
| Carbon Disulfide | ug/Kg | 250 U | 250 U |
| Methylene Chloride | ug/Kg | 250 U | 250 U |
| trans-1,2-Dichloroethene | ug/Kg | 250 U | 250 U |
| Methyl tert-butyl ether | ug/Kg | 250 U | 250 U |
| 1,1-Dichloroethane | ug/Kg | 250 U | 250 U |
| Vinyl acetate | ug/Kg | 250 U | 250 U |
| cis-1,2-Dichloroethene | ug/Kg | 250 U | 250 U |
| 2,2-Dichloropropane | ug/Kg | 250 U | 250 U |
| 2-Butanone | ug/Kg | 250 U | 250 U |
| Bromochloromethane | ug/Kg | 250 U | 250 U |
| Chloroform | ug/Kg | 250 U | 250 U |
| 1,1,1-Trichloroethane | ug/Kg | 250 U | 250 U |
| 1,1-Dichloropropene | ug/Kg | 250 U | 250 U |
| Carbon Tetrachloride | ug/Kg | 250 U | 250 U |
| 1,2-Dichloroethane | ug/Kg | 250 U | 250 U |
| Benzene | ug/Kg | 250 U | 250 U |
| Trichloroethene | ug/Kg | 250 U | 250 U |
| 1,2-Dichloropropane | ug/Kg | 250 U | 250 U |
| Dibromomethane | ug/Kg | 250 U | 250 U |
| Bromodichloromethane | ug/Kg | 250 U | 250 U |
| 2-Chloroethyl vinyl ether | ug/Kg | 250 U | 250 U |
| cis-1,3-Dichloropropene | ug/Kg | 250 U | 250 U |
| 4-Methyl-2-pentanone | ug/Kg | 250 U | 250 U |
| Toluene | ug/Kg | 250 U | 250 U |
| trans-1,3-Dichloropropene | ug/Kg | 250 U | 250 U |
| 1,1,2-Trichloroethane | ug/Kg | 250 U | 250 U |
| 1,3-Dichloropropane | ug/Kg | 250 U | 250 U |
| Tetrachloroethene | ug/Kg | 250 U | 250 U |
| 2-Hexanone | ug/Kg | 250 U | 250 U |
| Dibromochloromethane | ug/Kg | 250 U | 250 U |
| 1,2-Dibromoethane | ug/Kg | 250 U | 250 U |
| Chlorobenzene | ug/Kg | 250 U | 250 U |

Table 2c
Soil QAQC-VOCs

Table 2c
Soil QAQC-VOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result |
|-----------------------------|-------|-------------|---------------|
| Sample ID | | TRIP | VBLK2P |
| Lab ID | | 61314009 | V2B0723A |
| Sample Date | | 07-14-99 | 07-23-99 |
| 1,1,1,2-Tetrachloroethane | ug/Kg | 250 U | 250 U |
| Ethylbenzene | ug/Kg | 250 U | 250 U |
| Xylene (Total) | ug/Kg | 250 U | 250 U |
| Styrene | ug/Kg | 250 U | 250 U |
| Bromoform | ug/Kg | 250 U | 250 U |
| Isopropylbenzene | ug/Kg | 250 U | 250 U |
| 1,1,2,2-Tetrachloroethane | ug/Kg | 250 U | 250 U |
| Bromobenzene | ug/Kg | 250 U | 250 U |
| 1,2,3-Trichloropropane | ug/Kg | 250 U | 250 U |
| n-Propylbenzene | ug/Kg | 250 U | 250 U |
| 2-Chlorotoluene | ug/Kg | 250 U | 250 U |
| 1,3,5-Trimethylbenzene | ug/Kg | 250 U | 250 U |
| 4-Chlorotoluene | ug/Kg | 250 U | 250 U |
| tert-Butylbenzene | ug/Kg | 250 U | 250 U |
| 1,2,4-Trimethylbenzene | ug/Kg | 250 U | 250 U |
| sec-Butylbenzene | ug/Kg | 250 U | 250 U |
| 1,3-Dichlorobenzene | ug/Kg | 250 U | 250 U |
| 4-Isopropyltoluene | ug/Kg | 250 U | 250 U |
| 1,4-Dichlorobenzene | ug/Kg | 250 U | 250 U |
| n-Butylbenzene | ug/Kg | 250 U | 250 U |
| 1,2-Dichlorobenzene | ug/Kg | 250 U | 250 U |
| 1,2-Dibromo-3-chloropropane | ug/Kg | 250 U | 250 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 250 U | 250 U |
| Hexachlorobutadiene | ug/Kg | 250 U | 250 U |
| Naphthalene | ug/Kg | 250 U | 120 J |
| 1,2,3-Trichlorobenzene | ug/Kg | 250 U | 250 U |

U= Not detected

ug/kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result |
|-----------------------------|-------|-------------------|-------------------|----------|----------|
| Sample ID | | | | A4-A5 | A4-A55 |
| Lab ID | | | | 61293023 | 61293024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 |
| Phenol | ug/l | NE | NE | 100 U | 100 U |
| bis(2-Chloroethyl)Ether | ug/l | NE | NE | 100 U | 100 U |
| 2-Chlorophenol | ug/l | NE | NE | 100 U | 100 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U |
| 2-Methylphenol | ug/l | NE | NE | 100 U | 100 U |
| 2,2-oxybis(1-Chloropropane) | ug/l | NE | NE | 100 U | 100 U |
| 4-Methylphenol | ug/l | NE | NE | 100 U | 100 U |
| N-Nitroso-di-n-propylamine | ug/l | NE | NE | 100 U | 100 U |
| Hexachloroethane | ug/l | NE | NE | 100 U | 100 U |
| Nitrobenzene | ug/l | NE | NE | 100 U | 100 U |
| Isophorone | ug/l | NE | NE | 100 U | 100 U |
| 2-Nitrophenol | ug/l | NE | NE | 100 U | 100 U |
| 2,4-Dimethylphenol | ug/l | NE | NE | 100 U | 100 U |
| 2,4-Dichlorophenol | ug/l | NE | NE | 100 U | 100 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 100 U | 100 U |
| Naphthalene | ug/l | NE | NE | 100 U | 100 U |
| 4-Chloroaniline | ug/l | NE | NE | 100 U | 100 U |
| bis(2-Chloroethoxy)methane | ug/l | NE | NE | 100 U | 100 U |
| Hexachlorobutadiene | ug/l | NE | NE | 100 U | 100 U |
| 4-Chloro-3-Methylphenol | ug/l | NE | NE | 100 U | 100 U |
| 2-Methylnaphthalene | ug/l | NE | NE | 100 U | 100 U |
| Hexachlorocyclopentadiene | ug/l | NE | NE | 100 U | 100 U |
| 2,4,6-Trichlorophenol | ug/l | NE | NE | 100 U | 100 U |
| 2,4,5-Trichlorophenol | ug/l | NE | NE | 200 U | 200 U |
| 2-Chloronaphthalene | ug/l | NE | NE | 100 U | 100 U |
| 2-Nitroaniline | ug/l | NE | NE | 200 U | 200 U |
| Dimethylphthalate | ug/l | NE | NE | 100 U | 100 U |
| Acenaphthylene | ug/l | NE | NE | 100 U | 100 U |
| 2,6-Dinitrotoluene | ug/l | NE | NE | 100 U | 100 U |
| 3-Nitroaniline | ug/l | NE | NE | 200 U | 200 U |
| Acenaphthene | ug/l | NE | NE | 100 U | 100 U |
| 2,4-Dinitrophenol | ug/l | NE | NE | 200 U | 200 U |
| 4-Nitrophenol | ug/l | NE | NE | 200 U | 200 U |
| Dibenzofuran | ug/l | NE | NE | 100 U | 100 U |
| 2,4-Dinitrotoluene | ug/l | NE | NE | 100 U | 100 U |
| Diethylphthalate | ug/l | NE | NE | 100 U | 100 U |
| 4-Chlorophenyl-phenylether | ug/l | NE | NE | 100 U | 100 U |
| Fluorene | ug/l | NE | NE | 100 U | 100 U |
| 4-Nitroaniline | ug/l | NE | NE | 200 U | 200 U |
| 4,6-Dinitro-2-methylphenol | ug/l | NE | NE | 200 U | 200 U |
| N-Nitrosodiphenylamine (1) | ug/l | NE | NE | 100 U | 100 U |
| 4-Bromophenyl-phenylether | ug/l | NE | NE | 100 U | 100 U |
| Hexachlorobenzene | ug/l | NE | NE | 100 U | 100 U |
| Pentachlorophenol | ug/l | NE | NE | 200 U | 200 U |
| Phenanthrene | ug/l | NE | NE | 100 U | 100 U |

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result |
|----------------------------|-------|-------------------|-------------------|--------------|---------------|
| Sample ID | | | | A4-A5 | A4-A55 |
| Lab ID | | | | 61293023 | 61293024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 |
| Anthracene | ug/l | NE | NE | 100 U | 100 U |
| Carbazole | ug/l | NE | NE | 100 U | 100 U |
| Di-n-butylphthalate | ug/l | NE | NE | 100 U | 100 U |
| Fluoranthene | ug/l | NE | NE | 100 U | 100 U |
| Pyrene | ug/l | NE | NE | 100 U | 100 U |
| Butylbenzylphthalate | ug/l | NE | NE | 100 U | 100 U |
| 3,3-Dichlorobenzidine | ug/l | NE | NE | 100 U | 100 U |
| Benzo(a)anthracene | ug/l | NE | NE | 100 U | 100 U |
| Chrysene | ug/l | NE | NE | 100 U | 100 U |
| bis(2-Ethylhexyl)phthalate | ug/l | NE | NE | 100 U | 100 U |
| Di-n-octylphthalate | ug/l | NE | NE | 100 U | 100 U |
| Benzo(b)fluoranthene | ug/l | NE | NE | 100 U | 100 U |
| Benzo(k)fluoranthene | ug/l | NE | NE | 100 U | 100 U |
| Benzo(a)pyrene | ug/l | NE | NE | 100 U | 100 U |
| Indeno(1,2,3-cd)pyrene | ug/l | NE | NE | 100 U | 100 U |
| Dibenzo(a,h)anthracene | ug/l | NE | NE | 100 U | 100 U |
| Benzo(g,h,i)perylene | ug/l | NE | NE | 100 U | 100 U |
| Surrogates: | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | 112 | 33 |
| 2,4,6-Tribromophenol | % | | | 96 | 14 |
| 2-Chlorophenol-d4 | % | | | 99 | 36 |
| 2-Fluorobiphenyl | % | | | 112 | 16 |
| 2-Fluorophenol | % | | | 67 | 34 |
| Nitrobenzene-d5 | % | | | 88 | 26 |
| Phenol-d5 | % | | | 49 | 33 |
| Terphenyl-d14 | % | | | 104 | 6 |

NE= Criterion Not Established

U= Not detected

ug/Kg= Micrograms per kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

J= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

E= Analyte concentration exceeded the Calibration Range.

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|
| Sample ID | | | | A4A16 | A4A16DUP | A4S50 | A4S50DUP |
| Lab ID | | | | 61296018 | 61296019 | 61296027 | 61296028 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Phenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| bis(2-Chloroethyl)Ether | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2-Chlorophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2-Methylphenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2,2-oxybis(1-Chloropropane) | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 4-Methylphenol | ug/l | NE | NE | 11 J | 100 U | 100 U | 100 U |
| N-Nitroso-di-n-propylamine | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Hexachloroethane | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Nitrobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Isophorone | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2-Nitrophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2,4-Dimethylphenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2,4-Dichlorophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Naphthalene | ug/l | NE | NE | 4800 E | 4800 E | 100 U | 100 U |
| 4-Chloroaniline | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| bis(2-Chloroethoxy)methane | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Hexachlorobutadiene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 4-Chloro-3-Methylphenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2-Methylnaphthalene | ug/l | NE | NE | 990 | 1000 | 100 U | 100 U |
| Hexachlorocyclopentadiene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2,4,6-Trichlorophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2,4,5-Trichlorophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| 2-Chloronaphthalene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 2-Nitroaniline | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| Dimethylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Acenaphthylene | ug/l | NE | NE | 97 J | 97 J | 100 U | 100 U |
| 2,6-Dinitrotoluene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 3-Nitroaniline | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| Acenaphthene | ug/l | NE | NE | 80 J | 84 J | 100 U | 100 U |
| 2,4-Dinitrophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| 4-Nitrophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| Dibenzofuran | ug/l | NE | NE | 63 J | 66 J | 100 U | 100 U |
| 2,4-Dinitrotoluene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Diethylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 4-Chlorophenyl-phenylether | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Fluorene | ug/l | NE | NE | 73 J | 75 J | 100 U | 100 U |
| 4-Nitroaniline | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| 4,6-Dinitro-2-methylphenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| N-Nitrosodiphenylamine (1) | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 4-Bromophenyl-phenylether | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Hexachlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Pentachlorophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U |
| Phenanthrene | ug/l | NE | NE | 120 | 140 | 100 U | 100 U |
| Anthracene | ug/l | NE | NE | 21 J | 24 J | 100 U | 100 U |

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | Result | Result | Result | Result |
|----------------------------|-------|-----------------|----------------|------------------|----------|----------|----------|----------|
| | | GA Groundwater | GB Groundwater | | A4A16 | A4A16DUP | A4S50 | A4S50DUP |
| Sample ID | | | | | 61296018 | 61296019 | 61296027 | 61296028 |
| Lab ID | | | | | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Sample Date | | | | | | | | |
| Carbazole | ug/l | NE | NE | NE | 17 J | 16 J | 100 U | 100 U |
| Di-n-butylphthalate | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Fluoranthene | ug/l | NE | NE | NE | 42 J | 50 J | 100 U | 100 U |
| Pyrene | ug/l | NE | NE | NE | 30 J | 34 J | 100 U | 100 U |
| Butylbenzylphthalate | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| 3,3-Dichlorobenzidine | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Benzo(a)anthracene | ug/l | NE | NE | NE | 15 J | 18 J | 100 U | 100 U |
| Chrysene | ug/l | NE | NE | NE | 14 J | 16 J | 100 U | 100 U |
| bis(2-Ethylhexyl)phthalate | ug/l | NE | NE | NE | 30 J | 100 U | 100 U | 100 U |
| Di-n-octylphthalate | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Benzo(b)fluoranthene | ug/l | NE | NE | NE | 15 J | 17 J | 100 U | 100 U |
| Benzo(k)fluoranthene | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Benzo(a)pyrene | ug/l | NE | NE | NE | 11 J | 13 J | 100 U | 100 U |
| Indeno(1,2,3-cd)pyrene | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Dibenzo(a,h)anthracene | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Benzo(g,h,i)perylene | ug/l | NE | NE | NE | 100 U | 100 U | 100 U | 100 U |
| Surrogates: | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | | 111 | 104 | 100 | 106 |
| 2,4,6-Tribromophenol | % | | | | 110 | 109 | 92 | 96 |
| 2-Chlorophenol-d4 | % | | | | 94 | 86 | 81 | 85 |
| 2-Fluorobiphenyl | % | | | | 132 | 112 | 109 | 115 |
| 2-Fluorophenol | % | | | | 56 | 58 | 48 | 48 |
| Nitrobenzene-d5 | % | | | | 116 | 110 | 86 | 91 |
| Phenol-d5 | % | | | | 55 | 59 | 34 | 31 |
| Terphenyl-d14 | % | | | | 116 | 88 | 89 | 94 |

NE= Criterion Not Established

U= Not detected

ug/Kg= Micrograms per kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

J= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

E= Analyte concentration exceeded the Calibration Range.

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Phenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| bis(2-Chloroethyl)Ether | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2-Chlorophenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2-Methylphenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,2-oxybis(1-Chloropropane) | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 4-Methylphenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| N-Nitroso-di-n-propylamine | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Hexachloroethane | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Nitrobenzene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Isophorone | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2-Nitrophenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,4-Dimethylphenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,4-Dichlorophenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Naphthalene | ug/l | NE | NE | 100 U | 49 | 520 |
| 4-Chloroaniline | ug/l | NE | NE | 100 U | 10 U | 100 U |
| bis(2-Chloroethoxy)methane | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Hexachlorobutadiene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 4-Chloro-3-Methylphenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2-Methylnaphthalene | ug/l | NE | NE | 100 U | 5 J | 12 J |
| Hexachlorocyclopentadiene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,4,6-Trichlorophenol | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,4,5-Trichlorophenol | ug/l | NE | NE | 200 U | 20 U | 200 U |
| 2-Chloronaphthalene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2-Nitroaniline | ug/l | NE | NE | 200 U | 20 U | 200 U |
| Dimethylphthalate | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Acenaphthylene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,6-Dinitrotoluene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 3-Nitroaniline | ug/l | NE | NE | 200 U | 20 U | 200 U |
| Acenaphthene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 2,4-Dinitrophenol | ug/l | NE | NE | 200 U | 20 U | 200 U |
| 4-Nitrophenol | ug/l | NE | NE | 200 U | 20 U | 200 U |
| Dibenzofuran | ug/l | NE | NE | 100 U | 1 J | 100 U |
| 2,4-Dinitrotoluene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Diethylphthalate | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 4-Chlorophenyl-phenylether | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Fluorene | ug/l | NE | NE | 100 U | 1 J | 100 U |
| 4-Nitroaniline | ug/l | NE | NE | 200 U | 20 U | 200 U |
| 4,6-Dinitro-2-methylphenol | ug/l | NE | NE | 200 U | 25 U | 200 U |
| N-Nitrosodiphenylamine (1) | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 4-Bromophenyl-phenylether | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Hexachlorobenzene | ug/l | NE | NE | 100 U | 10 U | 100 U |

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|----------------------------|-------|-----------------|------------------|--------------|--------------|--------------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Pentachlorophenol | ug/l | NE | NE | 200 U | 20 U | 200 U |
| Phenanthrene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Anthracene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Carbazole | ug/l | NE | NE | 100 U | 7 J | 100 U |
| Di-n-butylphthalate | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Fluoranthene | ug/l | NE | NE | 100 U | 5 J | 100 U |
| Pyrene | ug/l | NE | NE | 100 U | 5 J | 100 U |
| Butylbenzylphthalate | ug/l | NE | NE | 100 U | 10 U | 100 U |
| 3,3-Dichlorobenzidine | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Benzo(a)anthracene | ug/l | NE | NE | 100 U | 3 J | 100 U |
| Chrysene | ug/l | NE | NE | 100 U | 3 J | 100 U |
| bis(2-Ethylhexyl)phthalate | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Di-n-octylphthalate | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Benzo(b)fluoranthene | ug/l | NE | NE | 100 U | 3 J | 100 U |
| Benzo(k)fluoranthene | ug/l | NE | NE | 100 U | 1 J | 100 U |
| Benzo(a)pyrene | ug/l | NE | NE | 100 U | 3 J | 100 U |
| Indeno(1,2,3-cd)pyrene | ug/l | NE | NE | 100 U | 1 J | 100 U |
| Dibenzo(a,h)anthracene | ug/l | NE | NE | 100 U | 10 U | 100 U |
| Benzo(g,h,i)perylene | ug/l | NE | NE | 100 U | 1 J | 100 U |
| Surrogates: | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | 109 | 76 | 100 |
| 2,4,6-Tribromophenol | % | | | 84 | 62 | 87 |
| 2-Chlorophenol-d4 | % | | | 98 | 72 | 92 |
| 2-Fluorobiphenyl | % | | | 111 | 83 | 105 |
| 2-Fluorophenol | % | | | 67 | 36 | 65 |
| Nitrobenzene-d5 | % | | | 100 | 75 | 90 |
| Phenol-d5 | % | | | 42 | 36 | 47 |
| Terphenyl-d14 | % | | | 90 | 89 | 92 |

NE= Criterion Not Established

U= Not detected

ug/Kg= Micrograms per kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

J= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

E= Analyte concentration exceeded the Calibration Range.

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|-----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|----------|
| Sample ID | | | | A4A33 | A4A3 | A4A26 | A4A22 | A4A18 |
| Lab ID | | | | 61305028 | 61305029 | 61305031 | 61305032 | 61305027 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Phenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| bis(2-Chloroethyl)Ether | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2-Chlorophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 1,3-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 1,4-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 1,2-Dichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2-Methylphenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 72 J |
| 2,2-oxybis(1-Chloropropane) | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 4-Methylphenol | ug/l | NE | NE | 100 U | 100 U | 14 J | 100 U | 45 J |
| N-Nitroso-di-n-propylamine | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Hexachloroethane | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Nitrobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Isophorone | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2-Nitrophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2,4-Dimethylphenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2,4-Dichlorophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 1,2,4-Trichlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Naphthalene | ug/l | NE | NE | 190 | 100 U | 3100 E | 100 U | 10000 E |
| 4-Chloroaniline | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| bis(2-Chloroethoxy)methane | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Hexachlorobutadiene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 4-Chloro-3-Methylphenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2-Methylnaphthalene | ug/l | NE | NE | 21 J | 100 U | 300 | 100 U | 2500 E |
| Hexachlorocyclopentadiene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2,4,6-Trichlorophenol | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2,4,5-Trichlorophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| 2-Chloronaphthalene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 2-Nitroaniline | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| Dimethylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Acenaphthylene | ug/l | NE | NE | 100 U | 100 U | 38 J | 100 U | 45 J |
| 2,6-Dinitrotoluene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 3-Nitroaniline | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| Acenaphthene | ug/l | NE | NE | 100 U | 100 U | 27 J | 100 U | 290 |
| 2,4-Dinitrophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| 4-Nitrophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| Dibenzofuran | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 170 |
| 2,4-Dinitrotoluene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Diethylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 4-Chlorophenyl-phenylether | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Fluorene | ug/l | NE | NE | 100 U | 100 U | 19 J | 100 U | 290 |
| 4-Nitroaniline | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| 4,6-Dinitro-2-methylphenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |
| 4-Nitrosodiphenylamine (1) | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 4-Bromophenyl-phenylether | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Hexachlorobenzene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Pentachlorophenol | ug/l | NE | NE | 200 U | 200 U | 200 U | 200 U | 200 U |

Table 3b
Groundwater Quality Summary-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|----------------------------|-------|-----------------|------------------|----------|----------|----------|----------|----------|
| Sample ID | | | | A4A33 | A4A3 | A4A26 | A4A22 | A4A18 |
| Lab ID | | | | 61305028 | 61305029 | 61305031 | 61305032 | 61305027 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Phenanthrene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 500 |
| Anthracene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 130 |
| Carbazole | ug/l | NE | NE | 100 U | 100 U | 27 J | 100 U | 180 |
| Di-n-butylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Fluoranthene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 240 |
| Pyrene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 180 |
| Butylbenzylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| 3,3-Dichlorobenzidine | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Benzo(a)anthracene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 96 J |
| Chrysene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 82 J |
| bis(2-Ethylhexyl)phthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Di-n-octylphthalate | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 100 U |
| Benzo(b)fluoranthene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 79 J |
| Benzo(k)fluoranthene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 29 J |
| Benzo(a)pyrene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 65 J |
| Indeno(1,2,3-cd)pyrene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 26 J |
| Dibenzo(a,h)anthracene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 10 J |
| Benzo(g,h,i)perylene | ug/l | NE | NE | 100 U | 100 U | 100 U | 100 U | 24 J |
| Surrogates: | | | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | | | 105 | 110 | 107 | 99 | 95 |
| 2,4,6-Tribromophenol | % | | | 102 | 94 | 122 | 109 | 102 |
| 2-Chlorophenol-d4 | % | | | 96 | 90 | 97 | 84 | 88 |
| 2-Fluorobiphenyl | % | | | 113 | 109 | 114 | 107 | 98 |
| 2-Fluorophenol | % | | | 61 | 59 | 71 | 53 | 58 |
| Nitrobenzene-d5 | % | | | 91 | 101 | 98 | 95 | 108 |
| Phenol-d5 | % | | | 51 | 55 | 57 | 39 | 55 |
| Terphenyl-d14 | % | | | 108 | 85 | 92 | 80 | 69 |

NE= Criterion Not Established

U= Not detected

ug/Kg= Micrograms per kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

J= Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

E= Analyte concentration exceeded the Calibration Range.

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result |
|-----------------------------|-------|-----------|-----------|-------|-----------|-----------|
| Sample ID | | SBLK2A | SBLK2B | | SBLK2E | SBLK2F |
| Lab ID | | S0712-BS1 | S0712-BS2 | | S0714-BW1 | S0714-BW2 |
| Sample Date | | 07-14-99 | 07-21-99 | | 07-17-99 | 07-17-99 |
| Phenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| bis(2-Chloroethyl)Ether | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Chlorophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,3-Dichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,4-Dichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,2-Dichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Methylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Methylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| N-Nitroso-di-n-propylamine | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachloroethane | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Nitrobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Isophorone | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Nitrophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dimethylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dichlorophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Naphthalene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Chloroaniline | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| bis(2-Chloroethoxy)methane | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachlorobutadiene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Chloro-3-Methylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Methylnaphthalene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachlorocyclopentadiene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4,6-Trichlorophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4,5-Trichlorophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| 2-Chloronaphthalene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Nitroaniline | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Dimethylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Acenaphthylene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,6-Dinitrotoluene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 3-Nitroaniline | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Acenaphthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dinitrophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| 4-Nitrophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Dibenzofuran | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dinitrotoluene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Diethylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Chlorophenyl-phenylether | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Fluorene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Nitroaniline | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Bromophenyl-phenylether | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Pentachlorophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Phenanthrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Anthracene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Carbazole | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result |
|----------------------------|-------|-----------|-----------|-------|-----------|-----------|
| Sample ID | | SBLK2A | SBLK2B | | SBLK2E | SBLK2F |
| Lab ID | | S0712-BS1 | S0712-BS2 | | S0714-BW1 | S0714-BW2 |
| Sample Date | | 07-14-99 | 07-21-99 | | 07-17-99 | 07-17-99 |
| Di-n-butylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Fluoranthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Pyrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Butylbenzylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 3,3-Dichlorobenzidine | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(a)anthracene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Chrysene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Di-n-octylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(b)fluoranthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(k)fluoranthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(a)pyrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Dibenzo(a,h)anthracene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(g,h,i)perylene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzoic Acid | ug/Kg | 670 U | | | | |
| Surrogates: | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | 91 | 78 | % | 63 | 69 |
| 2,4,6-Tribromophenol | % | 74 | 71 | % | 80 | 88 |
| 2-Chlorophenol-d4 | % | 87 | 79 | % | 58 | 70 |
| 2-Fluorobiphenyl | % | 91 | 82 | % | 69 | 78 |
| 2-Fluorophenol | % | 85 | 79 | % | 36 | 67 |
| Nitrobenzene-d5 | % | 90 | 77 | % | 77 | 77 |
| Phenol-d5 | % | 86 | 77 | % | 24 | 61 |
| Terphenyl-d14 | % | 92 | 85 | % | 77 | 91 |

U= Not detected

ug/Kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|-----------------------------|-------|---------------|
| Sample ID | | SBLK2B |
| Lab ID | | S0713-BS1 |
| Sample Date | | 07-14-99 |
| Phenol | ug/Kg | 330 U |
| bis(2-Chloroethyl)Ether | ug/Kg | 330 U |
| 2-Chlorophenol | ug/Kg | 330 U |
| 1,3-Dichlorobenzene | ug/Kg | 330 U |
| 1,4-Dichlorobenzene | ug/Kg | 330 U |
| 1,2-Dichlorobenzene | ug/Kg | 330 U |
| 2-Methylphenol | ug/Kg | 330 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | 330 U |
| 4-Methylphenol | ug/Kg | 330 U |
| N-Nitroso-di-n-propylamine | ug/Kg | 330 U |
| Hexachloroethane | ug/Kg | 330 U |
| Nitrobenzene | ug/Kg | 330 U |
| Isophorone | ug/Kg | 330 U |
| 2-Nitrophenol | ug/Kg | 330 U |
| 2,4-Dimethylphenol | ug/Kg | 330 U |
| 2,4-Dichlorophenol | ug/Kg | 330 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 330 U |
| Naphthalene | ug/Kg | 330 U |
| 4-Chloroaniline | ug/Kg | 330 U |
| bis(2-Chloroethoxy)methane | ug/Kg | 330 U |
| Hexachlorobutadiene | ug/Kg | 330 U |
| 4-Chloro-3-Methylphenol | ug/Kg | 330 U |
| 2-Methylnaphthalene | ug/Kg | 330 U |
| Hexachlorocyclopentadiene | ug/Kg | 330 U |
| 2,4,6-Trichlorophenol | ug/Kg | 330 U |
| 2,4,5-Trichlorophenol | ug/Kg | 670 U |
| 2-Chloronaphthalene | ug/Kg | 330 U |
| 2-Nitroaniline | ug/Kg | 670 U |
| Dimethylphthalate | ug/Kg | 330 U |
| Acenaphthylene | ug/Kg | 330 U |
| 2,6-Dinitrotoluene | ug/Kg | 330 U |
| 3-Nitroaniline | ug/Kg | 670 U |
| Acenaphthene | ug/Kg | 330 U |
| 2,4-Dinitrophenol | ug/Kg | 670 U |
| 4-Nitrophenol | ug/Kg | 670 U |
| Dibenzofuran | ug/Kg | 330 U |
| 2,4-Dinitrotoluene | ug/Kg | 330 U |
| Diethylphthalate | ug/Kg | 330 U |
| 4-Chlorophenyl-phenylether | ug/Kg | 330 U |
| Fluorene | ug/Kg | 330 U |
| 4-Nitroaniline | ug/Kg | 670 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | 670 U |

Table 3c
Soil and Groundwater QAQC-SVOCs

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|----------------------------|---------------|--------|
| Sample ID | SBLK2B | |
| Lab ID | S0713-BS1 | |
| Sample Date | 07-14-99 | |
| N-Nitrosodiphenylamine (1) | ug/Kg | 330 U |
| 4-Bromophenyl-phenylether | ug/Kg | 330 U |
| Hexachlorobenzene | ug/Kg | 330 U |
| Pentachlorophenol | ug/Kg | 670 U |
| Phenanthrene | ug/Kg | 330 U |
| Anthracene | ug/Kg | 330 U |
| Carbazole | ug/Kg | 330 U |
| Di-n-butylphthalate | ug/Kg | 330 U |
| Fluoranthene | ug/Kg | 330 U |
| Pyrene | ug/Kg | 330 U |
| Butylbenzylphthalate | ug/Kg | 330 U |
| 3,3-Dichlorobenzidine | ug/Kg | 330 U |
| Benzo(a)anthracene | ug/Kg | 330 U |
| Chrysene | ug/Kg | 330 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | 330 U |
| Di-n-octylphthalate | ug/Kg | 330 U |
| Benzo(b)fluoranthene | ug/Kg | 330 U |
| Benzo(k)fluoranthene | ug/Kg | 330 U |
| Benzo(a)pyrene | ug/Kg | 330 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 330 U |
| Dibenzo(a,h)anthracene | ug/Kg | 330 U |
| Benzo(g,h,i)perylene | ug/Kg | 330 U |
| Surrogates: | | |
| 1,2-Dichlorobenzene-d4 | % | 83 |
| 2,4,6-Tribromophenol | % | 66 |
| 2-Chlorophenol-d4 | % | 82 |
| 2-Fluorobiphenyl | % | 86 |
| 2-Fluorophenol | % | 82 |
| Nitrobenzene-d5 | % | 84 |
| Phenol-d5 | % | 81 |
| Terphenyl-d14 | % | 89 |

U= Not detected

ug/Kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result |
|-----------------------------|-------|-----------|-----------|-------|-----------|-----------|
| Sample ID | | SBLK1N | SBLK1C | | SBLK2E | SBLK1L |
| Lab ID | | S0713-BS2 | S0713-BS3 | | S0714-BW1 | S0723-BW1 |
| Sample Date | | 07-15-99 | 07-15-99 | | 07-17-99 | 07-24-99 |
| Phenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| bis(2-Chloroethyl)Ether | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Chlorophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,3-Dichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,4-Dichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,2-Dichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Methylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Methylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| N-Nitroso-di-n-propylamine | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachloroethane | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Nitrobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Isophorone | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Nitrophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dimethylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dichlorophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Naphthalene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Chloroaniline | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| bis(2-Chloroethoxy)methane | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachlorobutadiene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Chloro-3-Methylphenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Methylnaphthalene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachlorocyclopentadiene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4,6-Trichlorophenol | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4,5-Trichlorophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| 2-Chloronaphthalene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2-Nitroaniline | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Dimethylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Acenaphthylene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,6-Dinitrotoluene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 3-Nitroaniline | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Acenaphthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dinitrophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| 4-Nitrophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Dibenzofuran | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 2,4-Dinitrotoluene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Diethylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Chlorophenyl-phenylether | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Fluorene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Nitroaniline | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 25 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 4-Bromophenyl-phenylether | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Hexachlorobenzene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Pentachlorophenol | ug/Kg | 670 U | 670 U | ug/l | 20 U | 20 U |
| Phenanthrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Anthracene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result | Result | Units | Result | Result |
|----------------------------|-------|-----------|-----------|-------|-----------|-----------|
| Sample ID | | SBLK1N | SBLK1C | | SBLK2E | SBLK1L |
| Lab ID | | S0713-BS2 | S0713-BS3 | | S0714-BW1 | S0723-BW1 |
| Sample Date | | 07-15-99 | 07-15-99 | | 07-17-99 | 07-24-99 |
| Carbazole | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Di-n-butylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Fluoranthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Pyrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Butylbenzylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| 3,3-Dichlorobenzidine | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(a)anthracene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Chrysene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Di-n-octylphthalate | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(b)fluoranthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(k)fluoranthene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(a)pyrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Dibenzo(a,h)anthracene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Benzo(g,h,i)perylene | ug/Kg | 330 U | 330 U | ug/l | 10 U | 10 U |
| Surrogates: | | | | | | |
| 1,2-Dichlorobenzene-d4 | % | 77 | 80 | % | 63 | 74 |
| 2,4,6-Tribromophenol | % | 63 | 63 | % | 80 | 88 |
| 2-Chlorophenol-d4 | % | 74 | 77 | % | 58 | 73 |
| 2-Fluorobiphenyl | % | 78 | 80 | % | 69 | 79 |
| 2-Fluorophenol | % | 80 | 76 | % | 36 | 48 |
| Nitrobenzene-d5 | % | 83 | 77 | % | 77 | 72 |
| Phenol-d5 | % | 74 | 75 | % | 24 | 38 |
| Terphenyl-d14 | % | 103 | 89 | % | 77 | 88 |

U= Not detected

ug/Kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|-----------------------------|---------------|--------|
| Sample ID | SBLK2B | |
| Lab ID | S0716-BW1 | |
| Sample Date | | |
| Phenol | ug/Kg | 330 U |
| bis(2-Chloroethyl)Ether | ug/Kg | 330 U |
| 2-Chlorophenol | ug/Kg | 330 U |
| 1,3-Dichlorobenzene | ug/Kg | 330 U |
| 1,4-Dichlorobenzene | ug/Kg | 330 U |
| 1,2-Dichlorobenzene | ug/Kg | 330 U |
| 2-Methylphenol | ug/Kg | 330 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | 330 U |
| 4-Methylphenol | ug/Kg | 330 U |
| N-Nitroso-di-n-propylamine | ug/Kg | 330 U |
| Hexachloroethane | ug/Kg | 330 U |
| Nitrobenzene | ug/Kg | 330 U |
| Isophorone | ug/Kg | 330 U |
| 2-Nitrophenol | ug/Kg | 330 U |
| 2,4-Dimethylphenol | ug/Kg | 330 U |
| 2,4-Dichlorophenol | ug/Kg | 330 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 330 U |
| Naphthalene | ug/Kg | 330 U |
| 4-Chloroaniline | ug/Kg | 330 U |
| bis(2-Chloroethoxy)methane | ug/Kg | 330 U |
| Hexachlorobutadiene | ug/Kg | 330 U |
| 4-Chloro-3-Methylphenol | ug/Kg | 330 U |
| 2-Methylnaphthalene | ug/Kg | 330 U |
| Hexachlorocyclopentadiene | ug/Kg | 330 U |
| 2,4,6-Trichlorophenol | ug/Kg | 330 U |
| 2,4,5-Trichlorophenol | ug/Kg | 670 U |
| 2-Chloronaphthalene | ug/Kg | 330 U |
| 2-Nitroaniline | ug/Kg | 670 U |
| Dimethylphthalate | ug/Kg | 330 U |
| Acenaphthylene | ug/Kg | 330 U |
| 2,6-Dinitrotoluene | ug/Kg | 330 U |
| 3-Nitroaniline | ug/Kg | 670 U |
| Acenaphthene | ug/Kg | 330 U |
| 2,4-Dinitrophenol | ug/Kg | 670 U |
| 4-Nitrophenol | ug/Kg | 670 U |
| Dibenzofuran | ug/Kg | 330 U |
| 2,4-Dinitrotoluene | ug/Kg | 330 U |
| Diethylphthalate | ug/Kg | 330 U |
| 4-Chlorophenyl-phenylether | ug/Kg | 330 U |
| Fluorene | ug/Kg | 330 U |
| 4-Nitroaniline | ug/Kg | 670 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | 670 U |

Table 3c

Soil and Groundwater QAQC-SVOCs

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Table 3c
Soil and Groundwater QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|----------------------------|---------------|--------|
| Sample ID | SBLK2B | |
| Lab ID | S0716-BW1 | |
| Sample Date | | |
| N-Nitrosodiphenylamine (1) | ug/Kg | 330 U |
| 4-Bromophenyl-phenylether | ug/Kg | 330 U |
| Hexachlorobenzene | ug/Kg | 330 U |
| Pentachlorophenol | ug/Kg | 670 U |
| Phenanthrene | ug/Kg | 330 U |
| Anthracene | ug/Kg | 330 U |
| Carbazole | ug/Kg | 330 U |
| Di-n-butylphthalate | ug/Kg | 330 U |
| Fluoranthene | ug/Kg | 330 U |
| Pyrene | ug/Kg | 330 U |
| Butylbenzylphthalate | ug/Kg | 330 U |
| 3,3-Dichlorobenzidine | ug/Kg | 330 U |
| Benzo(a)anthracene | ug/Kg | 330 U |
| Chrysene | ug/Kg | 330 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | 330 U |
| Di-n-octylphthalate | ug/Kg | 330 U |
| Benzo(b)fluoranthene | ug/Kg | 330 U |
| Benzo(k)fluoranthene | ug/Kg | 330 U |
| Benzo(a)pyrene | ug/Kg | 330 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 330 U |
| Dibenzo(a,h)anthracene | ug/Kg | 330 U |
| Benzo(g,h,i)perylene | ug/Kg | 330 U |
| Benzoic Acid | ug/Kg | 670 U |
| Surrogates: | | |
| 1,2-Dichlorobenzene-d4 | % | 76 |
| 2,4,6-Tribromophenol | % | 69 |
| 2-Chlorophenol-d4 | % | 74 |
| 2-Fluorobiphenyl | % | 77 |
| 2-Fluorophenol | % | 80 |
| Nitrobenzene-d5 | % | 80 |
| Phenol-d5 | % | 76 |
| Terphenyl-d14 | % | 99 |

U= Not detected

ug/Kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 3c
Soil QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|-----------------------------|-------|---------------|
| Sample ID | | SBLK2G |
| Lab ID | | S0715-BS2 |
| Sample Date | | 07-17-99 |
| Phenol | ug/Kg | 330 U |
| bis(2-Chloroethyl)Ether | ug/Kg | 330 U |
| 2-Chlorophenol | ug/Kg | 330 U |
| 1,3-Dichlorobenzene | ug/Kg | 330 U |
| 1,4-Dichlorobenzene | ug/Kg | 330 U |
| 1,2-Dichlorobenzene | ug/Kg | 330 U |
| 2-Methylphenol | ug/Kg | 330 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | 330 U |
| 4-Methylphenol | ug/Kg | 330 U |
| N-Nitroso-di-n-propylamine | ug/Kg | 330 U |
| Hexachloroethane | ug/Kg | 330 U |
| Nitrobenzene | ug/Kg | 330 U |
| Isophorone | ug/Kg | 330 U |
| 2-Nitrophenol | ug/Kg | 330 U |
| 2,4-Dimethylphenol | ug/Kg | 330 U |
| 2,4-Dichlorophenol | ug/Kg | 330 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 330 U |
| Naphthalene | ug/Kg | 330 U |
| 4-Chloroaniline | ug/Kg | 330 U |
| bis(2-Chloroethoxy)methane | ug/Kg | 330 U |
| Hexachlorobutadiene | ug/Kg | 330 U |
| 4-Chloro-3-Methylphenol | ug/Kg | 330 U |
| 2-Methylnaphthalene | ug/Kg | 330 U |
| Hexachlorocyclopentadiene | ug/Kg | 330 U |
| 2,4,6-Trichlorophenol | ug/Kg | 330 U |
| 2,4,5-Trichlorophenol | ug/Kg | 670 U |
| 2-Chloronaphthalene | ug/Kg | 330 U |
| 2-Nitroaniline | ug/Kg | 670 U |
| Dimethylphthalate | ug/Kg | 330 U |
| Acenaphthylene | ug/Kg | 330 U |
| 2,6-Dinitrotoluene | ug/Kg | 330 U |
| 3-Nitroaniline | ug/Kg | 670 U |
| Acenaphthene | ug/Kg | 330 U |
| 2,4-Dinitrophenol | ug/Kg | 670 U |
| 4-Nitrophenol | ug/Kg | 670 U |
| Dibenzofuran | ug/Kg | 330 U |
| 2,4-Dinitrotoluene | ug/Kg | 330 U |
| Diethylphthalate | ug/Kg | 330 U |
| 4-Chlorophenyl-phenylether | ug/Kg | 330 U |
| Fluorene | ug/Kg | 330 U |
| 4-Nitroaniline | ug/Kg | 670 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | 670 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | 330 U |
| 4-Bromophenyl-phenylether | ug/Kg | 330 U |
| Hexachlorobenzene | ug/Kg | 330 U |
| Pentachlorophenol | ug/Kg | 670 U |
| Phenanthrene | ug/Kg | 330 U |
| Anthracene | ug/Kg | 330 U |
| Carbazole | ug/Kg | 330 U |
| Di-n-butylphthalate | ug/Kg | 330 U |
| Fluoranthene | ug/Kg | 330 U |
| Pyrene | ug/Kg | 330 U |
| Butylbenzylphthalate | ug/Kg | 330 U |
| 3,3-Dichlorobenzidine | ug/Kg | 330 U |
| Benzo(a)anthracene | ug/Kg | 330 U |
| Chrysene | ug/Kg | 330 U |
| bis(2-Ethylhexyl)phthalate | ug/Kg | 330 U |

Table 3c
Soil QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|------------------------|-------|------------------|
| Sample ID | | SBLK2G |
| Lab ID | | S0715-BS2 |
| Sample Date | | 07-17-99 |
| Di-n-octylphthalate | ug/Kg | 330 U |
| Benzo(b)fluoranthene | ug/Kg | 330 U |
| Benzo(k)fluoranthene | ug/Kg | 330 U |
| Benzo(a)pyrene | ug/Kg | 330 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 330 U |
| Dibenzo(a,h)anthracene | ug/Kg | 330 U |
| Benzo(g,h,i)perylene | ug/Kg | 330 U |
| Benzoic Acid | | |
| Surrogates: | | |
| 1,2-Dichlorobenzene-d4 | % | 85 |
| 2,4,6-Tribromophenol | % | 78 |
| 2-Chlorophenol-d4 | % | 80 |
| 2-Fluorobiphenyl | % | 85 |
| 2-Fluorophenol | % | 80 |
| Nitrobenzene-d5 | % | 84 |
| Phenol-d5 | % | 76 |
| Terphenyl-d14 | % | 92 |

U= Not detected

ug/Kg= Micrograms per Kilogram= Parts per billion (ppb)

ug/l= Micrograms per Liter= Parts per billion (ppb)

Table 3c
Soil QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|-----------------------------|---------------|--------|
| Sample ID | SBLK2D | |
| Lab ID | S0715-BS1 | |
| Sample Date | 07-16-99 | |
| Phenol | ug/Kg | 330 U |
| bis(2-Chloroethyl)Ether | ug/Kg | 330 U |
| 2-Chlorophenol | ug/Kg | 330 U |
| 1,3-Dichlorobenzene | ug/Kg | 330 U |
| 1,4-Dichlorobenzene | ug/Kg | 330 U |
| 1,2-Dichlorobenzene | ug/Kg | 330 U |
| 2-Methylphenol | ug/Kg | 330 U |
| 2,2-oxybis(1-Chloropropane) | ug/Kg | 330 U |
| 4-Methylphenol | ug/Kg | 330 U |
| N-Nitroso-di-n-propylamine | ug/Kg | 330 U |
| Hexachloroethane | ug/Kg | 330 U |
| Nitrobenzene | ug/Kg | 330 U |
| Isophorone | ug/Kg | 330 U |
| 2-Nitrophenol | ug/Kg | 330 U |
| 2,4-Dimethylphenol | ug/Kg | 330 U |
| 2,4-Dichlorophenol | ug/Kg | 330 U |
| 1,2,4-Trichlorobenzene | ug/Kg | 330 U |
| Naphthalene | ug/Kg | 330 U |
| 4-Chloroaniline | ug/Kg | 330 U |
| bis(2-Chloroethoxy)methane | ug/Kg | 330 U |
| Hexachlorobutadiene | ug/Kg | 330 U |
| 4-Chloro-3-Methylphenol | ug/Kg | 330 U |
| 2-Methylnaphthalene | ug/Kg | 330 U |
| Hexachlorocyclopentadiene | ug/Kg | 330 U |
| 2,4,6-Trichlorophenol | ug/Kg | 330 U |
| 2,4,5-Trichlorophenol | ug/Kg | 670 U |
| 2-Chloronaphthalene | ug/Kg | 330 U |
| 2-Nitroaniline | ug/Kg | 670 U |
| Dimethylphthalate | ug/Kg | 330 U |
| Acenaphthylene | ug/Kg | 330 U |
| 2,6-Dinitrotoluene | ug/Kg | 330 U |
| 3-Nitroaniline | ug/Kg | 670 U |
| Acenaphthene | ug/Kg | 330 U |
| 2,4-Dinitrophenol | ug/Kg | 670 U |
| 4-Nitrophenol | ug/Kg | 670 U |
| Dibenzofuran | ug/Kg | 330 U |
| 2,4-Dinitrotoluene | ug/Kg | 330 U |
| Diethylphthalate | ug/Kg | 330 U |
| 4-Chlorophenyl-phenylether | ug/Kg | 330 U |
| Fluorene | ug/Kg | 330 U |
| 4-Nitroaniline | ug/Kg | 670 U |
| 4,6-Dinitro-2-methylphenol | ug/Kg | 670 U |
| N-Nitrosodiphenylamine (1) | ug/Kg | 330 U |
| 4-Bromophenyl-phenylether | ug/Kg | 330 U |
| Hexachlorobenzene | ug/Kg | 330 U |
| Pentachlorophenol | ug/Kg | 670 U |
| Phenanthrene | ug/Kg | 330 U |
| Anthracene | ug/Kg | 330 U |
| Carbazole | ug/Kg | 330 U |
| Di-n-butylphthalate | ug/Kg | 330 U |
| Fluoranthene | ug/Kg | 330 U |
| Pyrene | ug/Kg | 330 U |
| Butylbenzylphthalate | ug/Kg | 330 U |
| 3,3-Dichlorobenzidine | ug/Kg | 330 U |
| Benzo(a)anthracene | ug/Kg | 330 U |
| Chrysene | ug/Kg | 330 U |

Table 3c
Soil QAQC-SVOCs
Proposed Algonquin Generator Area

| Analyte | Units | Result |
|----------------------------|---------------|--------|
| Sample ID | SBLK2D | |
| Lab ID | S0715-BS1 | |
| Sample Date | 07-16-99 | |
| bis(2-Ethylhexyl)phthalate | ug/Kg | 330 U |
| Di-n-octylphthalate | ug/Kg | 330 U |
| Benzo(b)fluoranthene | ug/Kg | 330 U |
| Benzo(k)fluoranthene | ug/Kg | 330 U |
| Benzo(a)pyrene | ug/Kg | 330 U |
| Indeno(1,2,3-cd)pyrene | ug/Kg | 330 U |
| Dibenzo(a,h)anthracene | ug/Kg | 330 U |
| Benzo(g,h,i)perylene | ug/Kg | 330 U |
| Benzoic Acid | | |
| Surrogates: | | |
| 1,2-Dichlorobenzene-d4 | % | 82 |
| 2,4,6-Tribromophenol | % | 71 |
| 2-Chlorophenol-d4 | % | 77 |
| 2-Fluorobiphenyl | % | 82 |
| 2-Fluorophenol | % | 74 |
| Nitrobenzene-d5 | % | 74 |
| Phenol-d5 | % | 74 |
| Terphenyl-d14 | % | 81 |

U= Not detected

ug/Kg= Micrograms per Kilogram= Parts per billion (p

ug/l= Micrograms per Liter= Parts per billion (ppb)

ALGONQUIN SUBSURFACE
INVESTIGATION 1999

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|----------|---------------------------------------|--------------------------|-------------|------------|-------------|------------|-------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4-S1(6-10) | A4-S1(2-6) | A4-S2(6-10) | A4-S3(2-6) | A4-S3(6-10) | A4-S1(0-2) | A4-S2(0-2) | A4-S3(0-2) | A4-S4(0-2) | A4-S5(0-2) | A4-S51(0-2) | A4-S52(0-2) | A4-S53(0-2) | A4-S54(0-2) | A4-S55(0-2) | A4-S55(6-10) |
| ID | | | | | | 61293001 | 61293002 | 61293003 | 61293004 | 61293005 | 61293006 | 61293007 | 61293008 | 61293009 | 61293010 | 61293011 | 61293012 | 61293013 | 61293014 | 61293015 | 61293016 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Antimony | mg/Kg | NE | NE | 820 | NE | .22 UN | .22 UN | .2 UN | .21 UN | .12 UN | .21 UN | .21 UN | .18 UN | .11 UN | 5.6 N | .22 UN | .16 UN | .13 UN | .18 UN | .15 UN | .12 UN |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 4.2 * | 3.9 * | 7.3 * | 4.4 * | 4.4 * | 3 * | 6.7 * | 8.2 * | 6.6 * | 76.3 * | 7.1 * | 8.5 * | 5.8 * | 5.9 * | 8.4 * | 8 * |
| Barium | mg/Kg | NE | NE | 10000 | NE | 37.3 | 13.1 B | 17.4 B | 11.6 B | 11.7 B | 39 | 31.8 | 32.4 | 39.5 | 66.7 | 32.3 | 36.9 | 24.6 | 20.5 | 109 | 31.7 |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .22 U | .22 U | .2 U | .21 U | .12 U | .21 U | .21 U | .18 U | .11 U | .22 U | .22 U | .16 U | .13 U | .18 U | .15 U | .12 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | .98 | .89 | 1.4 | .97 | .86 | .75 | 1.4 | 1.7 | 1.1 | 8.8 | 1.6 | 1.7 | 1.4 | 1.3 | 1.7 | 1.5 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 10 | 7.1 | 12.5 | 7.4 | 7.4 | 3.7 | 11.7 | 13.2 | 9.2 | 153 | 9.8 | 9.1 | 8.4 | 9.6 | 15 | 17.8 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 11.2 | 10 | 14.9 | 9.4 | 7.7 | 6.6 | 20.1 | 23.8 | 15 | 30.2 | 16.7 | 18.7 | 15.1 | 11.7 | 29.4 | 16.3 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | .052 U | .053 U | .044 U | .1 B | .2 B | .048 U | .046 U | 1.2 | .49 | .62 | 14.4 | 22.8 | 32.3 | 6 | 32 | 14.8 |
| Iron | mg/Kg | NE | NE | NE | NE | 11400 | 12000 | 19100 | 13000 | 11400 | 6690 | 17500 | 20400 | 10800 | 80200 | 20000 | 21500 | 17000 | 16700 | 20500 | 18800 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 13.6 * | 4.6 * | 6.4 * | 3.9 * | 4.5 * | 18.1 * | 23.6 * | 24.6 * | 22.5 * | 290 * | 23.1 * | 41.1 * | 27.6 * | 14.4 * | 335 * | 83.3 * |
| Mercury | mg/Kg | NE | NE | 610 | NE | .044 U | .043 U | .048 U | .043 U | .049 U | .049 U | .043 U | .048 U | .18 | .075 B | .11 B | .069 B | .15 B | .051 U | .48 | .054 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 13 | 12.4 | 21.6 | 11 | 12.4 | 6 | 20.1 | 21.2 | 14.3 | 162 | 13.5 | 12.8 | 9 | 14.5 | 18.9 | 19.7 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 5.1 | 5.8 | 8.2 | 7.6 | 5.5 | 2.7 | 8.2 | 10 | 7 | 45.7 | 11.1 | 11.9 | 9.7 | 8.8 | 9.5 | 9.1 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 1.6 B | 1.6 B | 2.6 B | 1.8 B | 1.5 B | .9 B | 2.4 B | 2.7 | 1.8 | 11 | 2.7 B | 2.9 | 2.3 | 2.3 B | 2.7 | 2.5 |
| Thallium | mg/Kg | NE | NE | 140 | NE | .33 U | .32 U | .31 U | .31 U | .18 U | .31 U | .31 U | .27 U | .17 U | .33 U | .34 U | .23 U | .19 U | .27 U | .22 U | .18 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 45.7 | 29.2 | 40.4 | 22 | 26.3 | 46 | 57.5 | 64 | 29.3 | 97.8 | 223 | 27.6 | 16 | 25.7 | 82.2 | 44.3 |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.
 UB = Undetected at both Contract Required and Instrument Detection Limits
 UN = Undetected at Instrument Detection Limit and spiked sample recovery not within control limits.
 UN* = Undetected at Instrument Detection Limit and spiked sample recovery not within control limits and duplicate analysis not within control limits.
 N* = Spiked sample recovery not within control limits and duplicate sample not within control limits.
 NB* = Spiked sample recovery not within control limits and reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit and duplicate analysis not within control limits.
 E = The reported value is estimated because of the presence of interference (explanatory note included).
 NB = Spiked sample recovery not within control limits and reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.
 mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)
 ug/l = Micrograms per Liter = Parts per Billion (ppb)
 RAWP = Remedial Action Work Plan
 RIDEM = Rhode Island Department of Environmental Management

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result |
|-------------|-------|-----------------|----------|---------------------------------------|--------------------------|---------------|-------------|--------------|-------------|-------------|--------------|
| Sample ID | | | | Direct Exposure Criteria (ind./Comm.) | GB Leachability Criteria | A4-S55(2.5-6) | A4-S52(2-6) | A4-S54(6-10) | A4-S4(6-10) | A4-S54(2-6) | A4-S53(6-10) |
| Sub ID | | | | | | 61293017 | 61293018 | 61293019 | 61293020 | 61293021 | 61293022 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Antimony | mg/Kg | NE | NE | 820 | NE | .13 UN | .16 UN | .2 UN | .12 UN | .14 UN | .22 UN |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 4.6 * | 6.9 * | 7.4 * | 6.9 * | 3.9 * | 6.5 * |
| Barium | mg/Kg | NE | NE | 10000 | NE | 31.1 | 1.2 B | 25 | 13.8 | 11.3 B | 17.8 B |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .13 U | .16 U | .2 U | .12 U | .14 U | .22 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.5 | .16 U | 1.3 | 1.1 | 1.2 | 1.1 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 10 | .16 U | 11.9 | 8.9 | 8.1 | 10 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 9.7 | .16 U | 13.5 | 10 | 6.9 | 8.6 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 4.2 | 17.6 | 2.6 | .16 B | 7.1 | 3.9 |
| Iron | mg/Kg | NE | NE | NE | NE | 18000 | 311 | 17200 | 14200 | 15700 | 13900 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 20.6 * | .25 U* | 8 * | 5.7 * | 5 * | 7.8 * |
| Mercury | mg/Kg | NE | NE | 610 | NE | .048 U | .072 B | .063 B | .044 U | .046 U | .046 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 15.1 | .45 B | 17.8 | 16.1 | 14.6 | 14.3 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 9 | .33 U | 8.7 | 7.4 | 8.6 | 7.1 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 2.4 | .25 U | 2.3 B | 1.9 | 2.1 B | 1.8 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .19 U | .25 U | .3 U | .19 U | .21 U | .33 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 34.9 | 19.7 | 37.3 | 34.4 | 24.8 | 26 |

NE = Criterion Not Established

U = Undetected at Instrument Detection Limit

B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.

UB = Undetected at both Contract Required and Instrument Detection Limits

UN = Undetected at Instrument Detection Limit and spiked sample recovery not within control limits.

Duplicate analysis not within control limits.

UN* = Undetected at Instrument Detection Limit and spiked sample recovery not within control limits and duplicate analysis not within control limits.

N* = Spiked sample recovery not within control limits and duplicate sample not within control limits.

NB* = Spiked sample recovery not within control limits and reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit and duplicate analysis not within control limits.

E = The reported value is estimated because of the presence of interference (explanatory note included).

NB = Spiked sample recovery not within control limits and reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.

mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-----------|--------|-----------------|----------|----------------------------------|--------------------------|------------|-----------|------------|-----------|-----------|------------|-------------|------------|-------------|------------|-------------|----------------|------------|---------------|-------------|-------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria (Ind./) | GB Leachability Criteria | A4S5(6-10) | A4S8(0-2) | A4S8(6-10) | A4S9(2-6) | A4S9(0-2) | A4S16(0-2) | A4S16(6-10) | A4S17(0-2) | A4S17(6-10) | A4S18(0-2) | A4S18(6-10) | A4S18(6-10)DUP | A4S48(2-6) | A4S48(2-6)DUP | A4S49(6-10) | A4S50(6-10) |
| Sample ID | Lab ID | Sample Date | | | | | | | | | | | | | | | | | | | |
| Antimony | mg/Kg | NE | NE | 820 | NE | .18 UN | .18 UN | .19 UN | .18 UN | .16 UN | .19 UN | .13 UN | .18 UN | .19 UN | .21 UN | .19 UN | .16 UN | .18 UN | .2 UN | .19 UN | .15 UN |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 9.9 | 7.8 | 10 | 11.3 | 6.3 | 9.8 | 7.7 | 10 | 11.1 | 10 | 13.1 | 6.7 | 9.2 | 9.6 | 5.2 | 5.3 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 17.1 B | 33.1 | 31.4 | 14 B | 34.4 | 28.2 | 15.8 | 37.7 | 87.1 | 21.5 | 27.7 | 14.9 B | 37.2 | 29.8 | 25 | 12.3 B |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .18 U | .18 U | .19 U | .18 U | .16 U | .19 U | .13 U | .18 U | .19 U | .21 U | .19 U | .16 U | .18 U | .2 U | 2.2 | .15 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.5 * | 1.6 * | 1.9 * | 1 * | 1.2 * | 1.7 * | 1.3 * | 1.7 * | 3.1 * | 1.6 * | 1.8 * | 1.1 * | 2.8 * | 2.5 * | 1.1 * | .97 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 16.9 | 21.2 | 20.1 | 8.8 | 6.6 | 19.1 | 10 | 12.6 | 17.8 | 17.2 | 32 | 9.1 | 16.1 | 15.1 | 12.1 | 8.2 * |
| Copper | mg/Kg | NE | NE | 10000 | NE | 19.8 | 27.2 | 32.8 | 13.4 | 10.7 | 40.5 | 12.4 | 74.9 | 125 | 38.1 | 21.9 | 8.7 | 11.3 | 8.6 | 9.6 | 18.6 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | .048 UN* | 5.1 N* | 7.6 N* | 3.7 N* | 2.9 N* | 4.6 N* | .46 NB* | 16.2 N* | 10 N* | 52.5 N* | .63 N* | .32 NB* | .33 NB* | .74 N* | 1 N* | 1.1 N* |
| Iron | mg/Kg | NE | NE | NE | NE | 18800 * | 19100 * | 23000 * | 13300 * | 14800 * | 21600 * | 16900 * | 19600 * | 34200 * | 20500 * | 22200 * | 14900 * | 33700 * | 31700 * | 13300 * | 14100 * |
| Lead | mg/Kg | 500 | NE | 500 | NE | 11.1 | 57.3 | 57.6 | 5.7 | 19 | 58 | 98 | 70 | 87.9 | 33.2 | 27.9 | 6 | 7.8 | 7.4 | 31.6 | 10 * |
| Mercury | mg/Kg | NE | NE | 610 | NE | .043 UN | .045 UN | .057 UN | .06 UN | .045 UN | .045 UN | .058 NB | .86 N | 1.9 N | .1 NB | .057 UN | .055 UN | .054 UN | .049 UN | .05 UN | .053 UN |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 23.6 | 25.4 | 20.3 | 13.6 | 11.6 | 24.3 | 16 | 19.1 | 20.8 | 20.6 | 20.4 | 16 | 17.5 | 16.2 | 8.9 | 14.3 E |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 5.9 * | 9.9 * | 13 * | 6.1 * | 8 * | 11.9 * | 9.5 * | 9.9 * | 11.7 * | 8.9 * | 9.5 * | 7.6 * | 18.3 * | 19.4 * | 5.7 * | 1 B |
| Silver | mg/Kg | NE | NE | 10000 | NE | 2.5 B | 2.6 B | 3.1 | 1.7 B | 1.9 B | 2.9 | 2.2 | 2.8 | 5 | 2.8 B | 3 | 2 B | 4.4 | 4.2 | 1.5 B | 1.4 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .27 U | .28 U | .28 U | .27 U | .25 U | .28 U | .19 U | .27 U | .28 U | .31 U | .28 U | .24 U | .27 U | .29 U | .29 U | .52 B |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 45.2 * | 43.7 * | 31.1 * | 23.2 * | 34.1 * | 33.3 * | 32.2 * | 80.9 * | 121 * | 55.3 * | 58.2 * | 30.5 * | 22 * | 20 * | 55.5 * | 33.5 E |

NE = Criterion Not Established
U = Undetected at Instrument Detection Limit
B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.
= Undetected at both Contract Required and Instrument Detection Limits
UN = Undetected at Instrument Detection Limit and spiked sample recovery not within control limits.
* = Duplicate analysis not within control limits.
mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)
ug/l = Micrograms per Liter = Parts per Billion (ppb)
RAWP = Remedial Action Work Plan
RIDEM = Rhode Island Department of Environmental Management
N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|----------|---------------------------------|--------------------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria (Ind.) | GB Leachability Criteria | A4S51(2-6) | A4S47(0-2)DUP | A4S46(0-2) | A4S47(0-2) | A4S48(0-2) | A4S47(2-6) | A4S49(0-2) | A4S50(0-2) | A4S46(2-6) |
| Sample ID | | | | | | 61296017 | 61296020 | 61296021 | 61296022 | 61296023 | 61296024 | 61296025 | 61296026 | 61296029 |
| Lab ID | | | | | | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | | | | | | | | | |
| Antimony | mg/Kg | NE | NE | 820 | NE | .13 UN | .65 NB | .22 NB | .13 UN | .39 NB | .15 UN | .23 NB | .27 NB | .22 UN |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 6.6 | 8.1 | 10 | 7.3 | 7.8 | 3.6 | 6.3 | 5.2 | 3.4 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 15.1 | 25.5 | 29.6 | 16.2 | 22.8 | 15.4 | 49.8 | 23.4 | 10 B |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .13 U | .23 U | .2 U | .13 U | .2 U | .15 U | .2 U | .18 U | .22 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.4 | 1.6 | 1.6 | 1.1 | 1.3 | 1.1 | 1.4 | .88 | 1 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 10.6 * | 12.7 * | 16 * | 9.4 * | 8.7 * | 12.4 * | 14.1 * | 8.6 * | 6.9 * |
| Copper | mg/Kg | NE | NE | 10000 | NE | 19.9 | 20.6 | 20.5 | 11.1 | 18.4 | 13.9 | 37.9 | 11.9 | 8.5 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 4.5 N* | 22.4 N* | 10 N* | 9.3 N* | 12.3 N* | 13.1 N* | 15.2 N* | 2.8 N* | .41 NB* |
| Iron | mg/Kg | NE | NE | NE | NE | 21600 * | 24000 * | 25200 * | 16700 * | 20400 * | 260 | 196 | 153 | 156 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 9.6 * | 25.4 * | 53.3 * | 8.2 * | 29.4 * | 10 * | 77.1 * | 19.8 * | 6.4 * |
| Mercury | mg/Kg | NE | NE | 610 | NE | .048 UN | .062 NB | .055 NB | .049 UN | .1 NB | .052 UN | .41 N | .046 UN | .044 UN |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 12.2 E | 14.1 E | 16.3 E | 12.6 E | 9.2 E | 15.3 E | 18.4 E | 11.4 E | 8.9 E |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 1.7 | 2 B | 2.4 | 1.1 B | 2.1 | 1.4 B | .94 B | .86 B | 1.3 B |
| Silver | mg/Kg | NE | NE | 10000 | NE | 1.9 B | 2.2 B | 2.3 B | 1.5 B | 1.8 B | 1.6 B | 1.6 B | 1.1 B | 1.6 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .2 U | .35 U | .3 U | .19 U | .29 U | .52 B | .29 U | .27 U | .33 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 24 E | 24.9 E | 21.9 E | 22.6 E | 18.4 E | 30.7 E | 66.8 E | 32.7 E | 16.8 E |

NE = Criterion Not Established
U = Undetected at Instrument Detection Limit
B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.
UN = Undetected at both Contract Required and Instrument Detection Limits
UN = Undetected at Instrument Detection Limit and spiked sample recovery not within control limits.
* = Duplicate analysis not within control limits.
mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)
ug/l = Micrograms per Liter = Parts per Billion (ppb)
RAWP = Remedial Action Work Plan
RIDEM = Rhode Island Department of Environmental Management
N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-----------|--------|-----------------|----------|---------------------------------------|--------------------------|------------|-------------|------------|---------------|------------|------------|-------------|------------|------------|---------------|------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S13(0-2) | A4S13(6-10) | A4S14(0-2) | A4S14(0-2)DUP | A4S14(2-6) | A4S19(0-2) | A4S19(6-10) | A4S20(0-2) | A4S20(2-6) | A4S20(2-6)DUP | A4S21(0-2) |
| Sample ID | Lab ID | Sample Date | | | | | | | | | | | | | | |
| Antimony | mg/Kg | NE | NE | 820 | NE | .34 B | .35 B | .19 U | .29 B | .34 B | .55 B | .36 B | .78 B | .36 B | .2 U | .52 B |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 5.8 | 5.7 | 6.9 | 5.4 | 5.9 | 7 | 3.8 | 9.8 | 5.8 | 7.4 | 12.8 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 32.4 | 23.2 | 21.8 | 17.5 | 46.2 | 20.8 | 17.7 B | 51.6 | 22.3 B | 21.6 | 43.7 |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .2 U | .16 U | .19 U | .17 U | .19 U | .19 U | .19 U | .2 U | .23 U | .2 U | .17 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.1 | 1 | 1.2 | .93 | .93 | 1.1 | .86 | 2.2 | 1.2 | 1.3 | 2.1 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 10 | 17.1 | 14.1 | 11.5 | 10.5 | 13.2 | 15 | 38.2 | 15.1 | 15 | 21.9 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 18.5 | 16.4 | 20.1 | 15.4 | 13.8 | 16.8 | 12.3 | 67.9 | 14.2 | 19.4 | 58 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | .044 U | 7.5 | 1.7 | 2.9 | 1.3 | 1.5 | 1.9 | 6.2 | .42 B | 1.6 | 14.2 |
| Iron | mg/Kg | NE | NE | NE | NE | 14300 | 15100 | 19500 | 14300 | 14700 | 15700 | 12600 | 37600 | 20500 | 21800 | 32600 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 35.8 | 27.5 | 27.5 | 18.2 | 9.6 | 21.4 | 14.2 | 79.9 | 11.2 | 13.2 | 55.6 |
| Mercury | mg/Kg | NE | NE | 610 | NE | .047 U | .059 B | .057 B | .043 U | .049 U | .051 U | .042 U | .28 | .05 U | .053 U | .21 |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 13.9 | 13.1 | 14 | 11.8 | 12.8 | 16.1 | 14.1 | 42.5 | 16.8 | 16 | 21.1 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 1.3 B | 1.4 B | 1.5 B | 1.4 B | 1.2 B | 1.2 B | 1.4 B | 3.7 | 1.5 B | 2.3 | 3.4 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 1.3 B | 1.3 B | 1.7 B | 1.3 B | 1.2 B | 1.5 B | 1.2 B | 3.5 | 1.7 B | 1.8 B | 3 |
| Thallium | mg/Kg | NE | NE | 140 | NE | .29 U | .24 U | .29 U | .26 U | .28 U | .28 U | .32 B | .44 B | .34 U | .34 B | .26 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 44.4 | 34.6 | 27.6 | 23.2 | 28.3 | 35.5 | 31.5 | 40.9 | 34.2 | 35 | 30.2 |

= Criterion Not Established

U = Undetected at Instrument Detection Limit

B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.

mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

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N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|----------|---------------------------------------|--------------------------|-------------|------------|-------------|------------|---------------|-------------|------------|------------|------------|------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm.) | GB Leachability Criteria | A4S21(6-10) | A4S24(0-2) | A4S36(6-10) | A4S38(2-4) | A4S38(2-4)DUP | A4S38(6-10) | A4S45(2-6) | A4S36(0-2) | A4S38(0-2) | A4S45(0-2) |
| Lab ID | | | | | | 61303012 | 61303013 | 61303014 | 61303015 | 61303016 | 61303017 | 61303018 | 61303019 | 61303020 | 61303021 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Antimony | mg/Kg | NE | NE | 820 | NE | .3 B | .65 B | .24 B | .15 U | .31 B | .13 U | .25 B | .11 U | .48 B | .15 U |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 5 | 11.8 | 7.4 | 5.7 | 6.9 | 5.2 | 4.2 | 7.5 | 8.5 | 5.8 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 12.6 B | 33.8 | 25.5 | 20.4 | 21.4 | 18.2 | 12.1 B | 26.8 | 29.6 | 18.7 |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .15 U | .2 U | .19 U | .15 U | .16 U | .13 U | .16 U | .11 U | .14 U | .15 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | .92 | 1.9 | 1.4 | 1.6 | 1.3 | 1.3 | .79 | 1.5 | 1.4 | 1 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 10 | 34.4 | 18.1 | 22.3 | 17.1 | 17.5 | 8.8 | 14.7 | 13.3 | 10.7 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 17.9 | 45.5 | 22.8 | 20.4 | 17 | 16.2 | 8.6 | 32.6 | 20.8 | 13.7 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | .049 U | 9.5 | 3.1 | 15.5 | 8.6 | 7.1 | 0.049 U | .84 | 16.6 | 3.4 |
| Iron | mg/Kg | NE | NE | NE | NE | 13400 | 28100 | 20900 | 22300 | 20100 | 19000 | 10500 | 17900 | 20500 | 14400 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 15.5 | 33.2 | 13.6 | 13.6 | 13.1 | 32.1 | 7.9 | 66.8 | 92.7 | 10 |
| Mercury | mg/Kg | NE | NE | 610 | NE | .049 U | .052 B | .046 U | .048 U | .052 U | .042 U | .056 U | .07 B | .069 B | .043 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 12.4 | 22.5 | 22.9 | 23.7 | 13.7 | 17.8 | 12.3 | 21.9 | 13.7 | 15.3 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | .87 B | 2.3 | 1.2 B | 1.6 | 1.5 B | 1.4 | .96 B | 1 B | 2.2 | 1 B |
| Silver | mg/Kg | NE | NE | 10000 | NE | 1.3 B | 2.7 B | 2.1 B | 2.1 B | 1.8 B | 1.8 B | 1.1 B | 1.8 | 1.9 B | 1.4 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .47 B | .41 B | .64 B | .56 B | .33 B | .36 B | .37 B | .28 B | .21 U | .38 B |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 34.4 | 46.1 | 48.5 | 69.2 | 31.2 | 38.3 | 26.1 | 80.4 | 30.9 | 34.8 |

= Criterion Not Established

U = Undetected at Instrument Detection Limit

B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.

mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

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N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Element | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|----------|----------------------------------|---------------------------|----------------|-------------|--------------|----------------|----------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|-------------|--------------|-------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./) | IGB Leachability Criteria | A4-S27(0-2)DUP | A4-S27(0-2) | A4-S27(6-10) | A4-S28(0-2)DUP | A4-S28(2-6)DUP | A4-S28(0-2) | A4-S28(2-6) | A4-S29(0-2) | A4-S29(6-10) | A4-S30(0-2) | A4-S30(6-10) | A4-S31(0-2) | A4-S31(6-10) | A4-S32(0-2) | A4-S32(2-6) | A4-S33(6-10) | A4-S34(0-2) |
| Lab ID | | | | Criteria (Ind./) | Criteria | 61305001 | 61305002 | 61305003 | 61305004 | 61305005 | 61305006 | 61305007 | 61305008 | 61305009 | 61305010 | 61305011 | 61305012 | 61305013 | 61305014 | 61305015 | 61305016 | 61305017 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Antimony | mg/Kg | NE | NE | 820 | NE | .17 U | .2 U | .2 U | .16 U | .23 U | .18 U | .23 U | .2 U | .2 U | .19 U | .18 U | .21 U | .19 U | .33 B | .16 U | .18 U | .2 U |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 10 | 11.9 | 11.3 | 7 | 12.4 | 9.1 | 15.9 | 8.3 | 7.1 | 6.7 | 4.7 | 10 | 7.9 | 13.7 | 7.4 | 3.8 | 11.8 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 28 | 32.1 | 11.9 B | 23 | 18.1 B | 23.5 | 22.6 B | 17.7 B | 23.3 | 12.6 B | 19.1 | 42.7 | 27.5 | 46.5 | 12.3 B | 19.6 | 26.2 |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .17 U | .2 U | .2 U | 1.6 | .23 U | .18 U | .23 U | .2 U | .2 U | .19 U | .18 U | .21 U | .19 U | .21 U | .16 U | .18 U | .2 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.6 | 1.5 | 1.2 | .87 | 1.5 | 1.2 | 1.5 | 1.5 | 1.5 | 1.1 | 1.1 | 2.1 | 1.7 | 1.7 | 1.5 | .72 | 1.6 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 13.3 | 15.4 | 14.3 | 9.5 | 13.3 | 12.6 | 15.1 | 25.4 | 26.1 | 14.3 | 19 | 14.2 | 27.2 | 15.9 | 13.2 | 11.2 | 18.1 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 85.9 | 116 | 21.3 | 28.4 | 81 | 49.9 | 144 | 35.8 | 35.1 | 22.1 | 24.8 | 48.2 | 29 | 49.2 | 23.9 | 14.9 | 21 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 10.6 | 12.5 | 5.9 | 7.8 | 7.7 | 6.9 | 12 | 18.4 | 12.1 | 2.7 | .053 U | 67.4 | 8.2 | 90 | 12.9 | 11.5 | 9.4 |
| Iron | mg/Kg | NE | NE | NE | NE | 24700 | 24000 | 20200 | 13500 | 24600 | 17700 | 23500 | 26000 | 25500 | 19200 | 18300 | 35900 | 28400 | 28900 | 26200 | 12000 | 27700 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 142 | 129 | 37.6 | 71.7 | 91.4 | 108 | 132 | 45.2 | 45.5 | 16.8 | 36.2 | 46.5 | 23.8 | 62.8 | 18.6 | 28.8 | 13.3 |
| Mercury | mg/Kg | NE | NE | 610 | NE | 1.5 | 1.1 | .15 | .28 | .76 | .25 | 1.4 | .24 | .24 | .16 | .069 B | .49 | .1 B | .39 | .055 B | .095 B | .063 B |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 17.9 | 17.1 | 15.9 | 13.2 | 17.8 | 14.8 | 16.7 | 20.1 | 21.8 | 20.2 | 20 | 19.1 | 22.1 | 14.1 | 19.2 | 11.6 | 25.6 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 1.8 | 2.5 | 2.9 | 1 B | 3.2 | 1.4 B | 4.5 | 1.3 B | 1.6 B | .49 B | .77 B | 1.8 B | .96 B | 1.4 B | .95 B | .63 B | 14.2 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 6.5 U | 8 U | 7.7 U | 6.5 U | 8.8 U | 7.2 U | 9 U | 7.8 U | 7.7 U | 8 U | 6.9 U | 7.7 U | 7 U | 7.8 U | 5.8 U | 7.6 | 3 |
| Thallium | mg/Kg | NE | NE | 140 | NE | .3 B | .3 U | .3 U | .23 U | .34 U | .27 U | .34 U | .3 U | .3 U | .29 U | .26 U | .31 U | .36 B | .31 U | .27 B | .27 U | .3 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 64.9 | 89.9 | 47.8 | 63.9 | 49.8 | 69.2 | 52.9 | 37.7 | 35.7 | 35.7 | 48.4 | 44.8 | 52.9 | 55.3 | 41.9 | 34.7 | 52.9 |

NE = Criterion Not Established
U = Undetected at Instrument Detection Limit
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= Undetected at both Contract Required and Instrument Detection Limits
mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)
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Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|----------|----------------------------------|--------------------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|--------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria (Ind./) | GB Leachability Criteria | A4-S35(0-2) | A4-S24(2-6) | A4-S26(0-2) | A4-S26(6-10) | A4-S33(0-2) | A4-S22(0-2) | A4-S34(6-10) | A4-S22(2-6) | A4-S35(6-10) |
| Sample ID | | | | | | 61305018 | 61305019 | 61305020 | 61305021 | 61305022 | 61305023 | 61305024 | 61305025 | 61305026 |
| Lab ID | | | | | | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | | | | | | | | | |
| Antimony | mg/Kg | NE | NE | 820 | NE | .2 U | .16 U | .19 U | .19 U | .23 U | .18 U | .15 U | .18 U | .17 U |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 11.5 | 12.7 | 8.8 | 3.3 | 4.9 | 6.6 | 6.4 | 5.8 | 9.4 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 46.6 | 17.6 | 47 | 12.7 B | 19.4 B | 29.4 | 14.8 B | 13.6 B | 13.8 B |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .2 U | .16 U | .19 U | .19 U | .23 U | .18 U | .15 U | .18 U | .17 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 2 | 1.2 | 1.4 | .63 | .91 | .95 | .95 | .98 | 1.2 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 15.2 | 15.9 | 16.5 | 6 | 11 | 10.8 | 10.5 | 11 | 14.6 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 45.8 | 28.1 | 79.1 | 12.7 | 11.4 | 15.6 | 13.1 | 14.7 | 18.5 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 9.3 | .26 B | 17.9 | 4.8 | 9.6 | .87 B | .055 U | .68 B | 9.3 |
| Iron | mg/Kg | NE | NE | NE | NE | 33000 | 21200 | 21800 | 10400 | 15300 | 15000 | 16800 | 17700 | 21000 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 86.7 | 11.1 | 51.1 | 5.9 | 16.9 | 18.8 | 6.7 | 5.8 | 5.4 |
| Mercury | mg/Kg | NE | NE | 610 | NE | .28 | .044 U | .36 | .053 U | .16 | .047 B | .052 U | .048 U | .044 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 24.6 | 23.2 | 19.3 | 11 | 15.4 | 14.7 | 17 | 18 | 18.1 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 19.3 | 11.4 | 10 | 5.2 | 5.9 | 7.3 | 8 | 9.3 | 11.1 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 4.3 | 2.2 B | 2.5 B | 1.1 B | 1.7 B | 1.6 B | 1.7 B | 1.8 B | 2.3 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .3 U | .24 U | .28 U | .28 U | .34 U | .27 U | .23 U | .27 U | .26 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 29.5 | 49 | 59.5 | 21.2 | 28.7 | 32.9 | 38.1 | 37.5 | 33.7 |

NE = Criterion Not Established

U = Undetected at Instrument Detection Limit

B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.

= Undetected at both Contract Required and Instrument Detection Limits

mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-------------|-------|-----------------|----------|---------------------------------------|-------------------------------------|------------|-------------|---------------|------------|---------------|------------|-------------|------------|-------------|------------|-------------|------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./0'-2') | GB Leachability Criteria (> 2'-10') | A4S37(0-2) | A4S37(6-10) | A4S37(6-10)EX | A4S39(0-2) | A4S39(0-2)DUP | A4S40(0-2) | A4S40(6-10) | A4S41(0-2) | A4S41(6-10) | A4S42(0-2) | A4S42(6-10) | A4S43(0-2) |
| Lab ID | | 0'-2' | > 2'-10' | | | 61312001 | 61312002 | 61312003 | 61312004 | 61312005 | 61312006 | 61312007 | 61312008 | 61312009 | 61312010 | 61312011 | 61312012 |
| Sample Date | | | | | | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Antimony | mg/Kg | NE | NE | 820 | NE | .25 B | .15 U | .15 U | .2 U | .23 B | .16 U | .19 U | .26 B | .19 U | .21 U | .18 U | .23 B |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 6.4 | 4.6 | 2 | 8.2 | 5 | 6.2 | 8 | 6.9 | 5.1 | 7.1 | 7.9 | 6.1 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 27.7 | 14.9 | 18.6 | 32.7 | 37.3 | 40.5 | 27.9 | 40 | 15.6 B | 39.2 | 48.9 | 23.9 |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .21 U | .15 U | .41 | .2 U | .2 U | .16 U | .19 U | .19 U | .19 U | .21 U | .18 U | .23 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.3 | 1 | 1.1 | 1.8 | 1.1 | 1.3 | 1.8 | 1.9 | 1.3 | 1.8 | 2 | 1.1 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 12 | 11.1 | 10.8 | 15.8 | 10.9 | 13.3 | 22.7 | 25.9 | 11.4 | 12.7 | 24.5 | 14 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 21.2 | 16.1 | 21.1 | 29.3 | 31.7 | 25.5 | 23.2 | 58.5 | 17.2 | 36.4 | 25.9 | 15.9 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 155 | 120 | 21.4 | 237 | 327 | 96.4 | 23.9 | .052 U | 9 | 102 | 3 | 4.6 |
| Iron | mg/Kg | NE | NE | NE | NE | 19000 | 14800 | 15000 | 27700 | 15200 | 18200 | 26600 | 26600 | 18500 | 27500 | 28600 | 15500 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 31.1 | 11.2 | 14.7 | 82.2 | 73.9 | 27.6 | 18.1 | 56.9 | 41 | 35.6 | 20.2 | 18.7 |
| Mercury | mg/Kg | NE | NE | 610 | NE | .14 B | .046 U | .09 B | .35 | .21 | .09 B | .055 U | .18 | .057 U | .41 | .051 U | .048 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 11.7 | 15.1 | 14.4 | 16 | 11.9 | 16 | 24.5 | 21.5 | 14.6 | 13.6 | 24.9 | 15.4 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 2.2 | 1.4 B | 1.5 B | 3 | 1.4 B | 1.7 | 2.4 | 2.3 | 1.8 B | 2.4 | 2.1 | 1.6 B |
| Silver | mg/Kg | NE | NE | 10000 | NE | 2.3 B | 1.8 B | 1.7 B | 3 B | 1.5 B | 2.1 B | 2.7 B | 2.6 B | 1.8 B | 2.9 B | 2.7 | 1.8 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .31 U | .37 B | .29 B | .31 U | .29 U | .24 U | .29 U | .29 U | .29 U | .31 U | .76 B | .34 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 29.6 | 32.6 | 51.9 | 38.3 | 41.7 | 39.2 | 48.6 | 45.9 | 35.5 | 36.3 | 57.4 | 34 |

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= Undetected at both Contract Required and Instrument Detection Limits

mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

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N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result |
|-------------|-------|-----------------|----------|---------------------------------------|-------------------------------------|-------------|------------|-------------|----------------|-------------|----------------|
| Sample ID | | | | Direct Exposure Criteria (Ind./0'-2') | GB Leachability Criteria (> 2'-10') | A4S43(6-10) | A4S44(0-2) | A4S44(6-10) | A4S44(6-10)DUP | A4S39(6-10) | A4S39(6-10)DUP |
| Lab ID | | | | | | 61312013 | 6.1E+07 | 61312015 | 61312017 | 61312018 | 61312019 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 |
| Antimony | mg/Kg | NE | NE | 820 | NE | .19 U | .29 B | .17 U | .32 B | .19 U | .18 U |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 11.8 | 7.5 | 3.7 | 3.6 | 4.6 | 4.2 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 53.7 | 67.9 | 9.4 B | 10 B | 21.4 | 14.1 B |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .19 U | .17 U | .17 U | .19 U | .19 U | .18 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 1.4 | 2.1 | .87 | .91 | 1.6 | 1.3 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 14.4 | 19.4 | 7.5 | 8.2 | 21.9 | 21 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 25.3 | 30.7 | 8.2 | 11.2 | 15.6 | 9.3 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 18.6 | 20.4 | 14.2 | .86 | 18.3 | 2.6 |
| Iron | mg/Kg | NE | NE | NE | NE | 18600 | 26300 | 12800 | 13100 | 24900 | 20100 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 71.9 | 294 | 6.9 | 7 | 14.1 | 9 |
| Mercury | mg/Kg | NE | NE | 610 | NE | .29 | .82 | .056 U | .047 U | .053 U | .06 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 17.8 | 20.3 | 10.8 | 11.9 | 11 | 9.9 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 1.5 B | 2 | 1.4 B | 1.6 B | 3 | 2.1 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 1.9 B | 2.5 B | 1.2 B | 1.4 B | 2.3 B | 1.8 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .29 U | .25 U | .26 U | .28 U | .29 U | .27 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 73 | 76 | 24.9 | 29 | 21 | 20 |

NE = Criterion Not Established

U = Undetected at Instrument Detection Limit

B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.

= Undetected at both Contract Required and Instrument Detection Limits

mg/Kg = Milligrams per Kilogram = Parts per Million (ppm)

ug/l = Micrograms per Liter = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4a
Soil Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | |
|-----------|--------|-----------------|----------|--|-----------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | | 0'-2' | > 2'-10' | Direct Exposure Criteria (Ind. / 0'-2' | GB Leachability Criteria > 2'-10' | A4S56(0-2) | A4S56(6-10) | A4S57(0-2) | A4S57(6-10) | A4S58(0-2) | A4S58(6-10) | A4S59(0-2) | A4S59(6-10) |
| Sample ID | Lab ID | Sample Date | | | | 61314001 | 61314002 | 61314003 | 61314004 | 61314005 | 61314006 | 61314007 | 61314008 |
| Antimony | mg/Kg | NE | NE | 820 | NE | 3.6 | .2 U | .19 U | .18 U | .21 U | .21 U | .17 U | 0.18 U |
| Arsenic | mg/Kg | 7 | NE | 3.8 | NE | 60 | 7.6 | 10.4 | 8.9 | 11.1 | 9.5 | 8.7 | 6 |
| Barium | mg/Kg | NE | NE | 10000 | NE | 70.5 | 18.6 B | 38.4 | 30.2 | 32.8 | 38 | 35.8 | 20.3 |
| Beryllium | mg/Kg | NE | NE | 1.3 | NE | .2 U | .2 U | .19 U | .18 U | .21 U | .21 U | .17 U | .18 U |
| Cadmium | mg/Kg | NE | NE | 1000 | NE | 4.3 | 1.4 | 1.7 | 1.9 | 3 | 1.9 | 1.4 | 1.2 |
| Chromium | mg/Kg | NE | NE | 10000 | NE | 59.8 | 14.9 | 10.7 | 10.9 | 20.4 | 23.1 | 14.2 | 11.7 |
| Copper | mg/Kg | NE | NE | 10000 | NE | 65.9 | 9.6 | 35 | 24.7 | 39.9 | 29 | 28.7 | 15.6 |
| Cyanide | mg/Kg | 10000 | NE | 10000 | NE | 33.7 | 10.2 | 16.4 | 31.7 | 10.5 | 1.2 | 8.6 | 5.1 |
| Iron | mg/Kg | NE | NE | NE | NE | 49500 | 19900 | 22700 | 23900 | 39900 | 26200 | 19100 | 16000 |
| Lead | mg/Kg | 500 | NE | 500 | NE | 217 | 7.9 | 80.6 | 56.3 | 38.4 | 37.3 | 21.6 | 9.4 |
| Mercury | mg/Kg | NE | NE | 610 | NE | .38 | .044 U | .65 | .15 B | .25 | .13 B | .27 | .047 U |
| Nickel | mg/Kg | NE | NE | 10000 | NE | 46.2 | 20 | 12.7 | 11.3 | 32.6 | 24.4 | 24.1 | 18.5 |
| Selenium | mg/Kg | NE | NE | 10000 | NE | 23.6 | 11.4 | 13.5 | 12.3 | 22.9 | 13.8 | 8.7 | 8.5 |
| Silver | mg/Kg | NE | NE | 10000 | NE | 6.7 | 2.3 B | 2.9 B | 3.1 | 5.2 | 3.2 | 2.2 B | 1.8 B |
| Thallium | mg/Kg | NE | NE | 140 | NE | .3 U | .29 U | .29 U | .27 U | .31 U | .31 U | .26 U | .26 U |
| Zinc | mg/Kg | NE | NE | 10000 | NE | 17.9 | 28.4 | 32.1 | 14.3 | 28.4 | 44.1 | 53.3 | 45.2 |

NE = Criterion Not Established
U = Undetected at Instrument Detection Limit
B = The reported value was obtained by a reading that was less than Contract Required Detection Limit but greater than or equal to Instrument Detection Limit.
Kg = Milligrams per Kilogram = Parts per Million (ppm)
µg/L = Micrograms per Liter = Parts per Billion (ppb)
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N = Spiked sample recovery not within control limits and duplicate sample not within control limits.

Table 4c
Soil and Groundwater QAQC-Metals
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Result | Units | Result | Units | Result |
|--------------------|-------|---------------|-------|------------|------------|------------|-------|------------|-------|------------|
| Sample ID | | 0713FB | | PBS | PBS | PBS | | PBW | | PBW |
| Lab ID | | 0713FB | | 0713PBS1 | 0713PBS2 | 0713PBS3 | | 0713PBW | | 0713PBW1 |
| Sample Date | | | | | | | | | | |
| Antimony | ug/l | 2 U | mg/Kg | .2 U | .2 UB | | ug/l | 2 U | | |
| Arsenic | ug/l | 3 U | mg/Kg | .3 U | .3 U | | ug/l | 3 U | | |
| Barium | ug/l | 10 B | mg/Kg | .1 U | .1 U | | ug/l | 1 U | | |
| Beryllium | ug/l | 2 U | mg/Kg | .2 U | .2 U | | ug/l | 2 U | | |
| Cadmium | ug/l | 2 U | mg/Kg | .2 U | .2 U | | ug/l | 2 U | | |
| Chromium | ug/l | 2 U | mg/Kg | .2 U | .2 U | | ug/l | 2 U | | |
| Copper | ug/l | 2 U | mg/Kg | .2 U | .2 U | | ug/l | 2 U | | |
| Cyanide | ug/l | 1 U | mg/Kg | .05 UB | .05 U | | | | ug/l | 1 U |
| Iron | ug/l | 23 U | mg/Kg | 3.527 B | 3.037 B | | ug/l | 23 U | | |
| Lead | ug/l | 10 | mg/Kg | .473 B | .684 | | ug/l | 3.829 B | | |
| Mercury | ug/l | .14 U | mg/Kg | .05 U | .05 U | .05 U | ug/l | .1 U | | |
| Nickel | ug/l | 1 U | mg/Kg | .1 U | .1 U | | ug/l | 1.547 B | | |
| Selenium | ug/l | 4 U | mg/Kg | .4 U | .4 U | | ug/l | 6.59 B | | |
| Silver | ug/l | 3 U | mg/Kg | .3 U | .3 U | | ug/l | 4.09 B | | |
| Thallium | ug/l | 3 U | mg/Kg | .3 U | .3 U | | ug/l | 3 U | | |
| Zinc | ug/l | 12.3 B | mg/Kg | .348 B | 3.579 B | | ug/l | 3.623 B | | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter= Parts per billion (ppb)

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 4b
Groundwater Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result | Result |
|-------------|-------|-----------------|------------------|----------|----------|----------|----------|----------|
| Sample ID | | | | A4A18 | A4A33 | A4A3 | A426 | A422 |
| Lab ID | | | | 61305027 | 61305028 | 61305029 | 61305031 | 61305032 |
| Sample Date | | GA Groundwater | GB Groundwater | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| Antimony | ug/l | NE | NE | 2 U | 2 U | 2 U | 2 U | 2 U |
| Arsenic | ug/l | NE | NE | 5.2 B | 4.3 B | 3 U | 9.9 B | 3.5 B |
| Barium | ug/l | NE | NE | 62.2 B | 21.8 B | 9.3 B | 20 B | 33 B |
| Beryllium | ug/l | NE | NE | 2 U | 2 U | 2 U | 2 U | 2 U |
| Cadmium | ug/l | NE | NE | 2 U | 2 U | 2 U | 2 U | 2 U |
| Chromium | ug/l | NE | NE | 2 U | 2 U | 2 U | 2 U | 2 U |
| Copper | ug/l | NE | NE | 2 U | 2 U | 2 U | 2 U | 2 U |
| Cyanide | ug/l | NE | NE | 156 | 762 | 181 | 250 | 132 |
| Iron | ug/l | NE | NE | 31600 | 587 | 50.4 B | 6260 | 83.7 B |
| Lead | ug/l | NE | NE | 7.5 | 11.3 | 11.8 | 8.2 | 11.7 |
| Mercury | ug/l | NE | NE | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | ug/l | NE | NE | 12.9 B | 17.6 B | 3.9 B | 6.9 B | 8.2 B |
| Selenium | ug/l | NE | NE | 4 U | 4 U | 4 U | 4 U | 4 U |
| Silver | ug/l | NE | NE | 4.4 B | 3 U | 3 U | 3 U | 3 U |
| Thallium | ug/l | NE | NE | 3 U | 3 U | 3 U | 3 U | 3 U |
| Zinc | ug/l | NE | NE | 10 B | 5.9 B | 9.2 B | 4.9 B | 6.6 B |

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Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

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ug/l= Micrograms per Liter=Parts per Billion (ppb)

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RIDEM= Rhode Island Department of Environmental Management

Table 4b
Groundwater Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result |
|--------------------|-------|-----------------|------------------|--------------|--------------|--------------|
| Sample ID | | | | A4A36 | A4A38 | A4A45 |
| Lab ID | | | GB | 61303022 | 61303023 | 61303024 |
| Sample Date | | GA Groundwater | Groundwater | 07-13-99 | 07-13-99 | 07-13-99 |
| Antimony | ug/l | NE | NE | 2 U | 2 U | 2 U |
| Arsenic | ug/l | NE | NE | 3 U | 3 U | 3 U |
| Barium | ug/l | NE | NE | 47.9 B | 21.6 B | 30.6 B |
| Beryllium | ug/l | NE | NE | 2 U | 2 U | 2 U |
| Cadmium | ug/l | NE | NE | 2 U | 2 U | 2 U |
| Chromium | ug/l | NE | NE | 2 U | 2 U | 2 U |
| Copper | ug/l | NE | NE | 2 U | 2 U | 2 U |
| Cyanide | ug/l | NE | NE | 250 | 193 | 182 |
| Iron | ug/l | NE | NE | 111 B | 21900 | 7080 |
| Lead | ug/l | NE | NE | 10 | 10 | 17 |
| Mercury | ug/l | NE | NE | .14 U | .14 U | .13 U |
| Nickel | ug/l | NE | NE | 8.4 B | 31.4 B | 31.5 B |
| Selenium | ug/l | NE | NE | 4 U | 4 U | 4 U |
| Silver | ug/l | NE | NE | 3 U | 3.6 B | 3 U |
| Thallium | ug/l | NE | NE | 3 U | 3 U | 3 U |
| Zinc | ug/l | NE | NE | 18 B | 65.6 | 66.7 |

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Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

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ug/l= Micrograms per Liter=Parts per Billion (ppb)

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Table 4b
Groundwater Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-------------|-------|-----------------|------------------|----------|----------|----------|----------|
| Sample ID | | | | A4A16 | A4A16DUP | A4A50 | A4A50DUP |
| Lab ID | | | GB | 61296018 | 61296019 | 61296027 | 61296028 |
| Sample Date | | GA Groundwater | Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Antimony | ug/l | NE | NE | 2 U | 2 U | 2.2 B | 2 U |
| Arsenic | ug/l | NE | NE | 22.9 | 21.6 | 3 U | 3 U |
| Barium | ug/l | NE | NE | 33.4 B | 28.1 B | 29 B | 34.7 B |
| Beryllium | ug/l | NE | NE | 2 U | 2 U | 2 U | 2 U |
| Cadmium | ug/l | NE | NE | 5.9 | 5.5 | 2 U | 2 U |
| Chromium | ug/l | NE | NE | 2 U | 2 U | 24.6 | 2 U |
| Copper | ug/l | NE | NE | 4.2 B | 5.1 B | 2.5 B | 2.1 B |
| Cyanide | ug/l | NE | NE | 57.7 | 52.3 | 511 | 614 |
| Iron | ug/l | NE | NE | 92400 | 88800 | 783 | 557 |
| Lead | ug/l | NE | NE | 3 U | 3 U | 3 U | 3 U |
| Mercury | ug/l | NE | NE | .14 U | .14 U | .14 U | .68 U |
| Nickel | ug/l | NE | NE | 17.7 B | 17.7 B | 19 B | 10 B |
| Selenium | ug/l | NE | NE | 7.1 B | 11.1 B | 4 U | 4 U |
| Silver | ug/l | NE | NE | 11.3 B | 10 B | 3 U | 3 U |
| Thallium | ug/l | NE | NE | 6.8 B | 5 B | 3 U | 3 U |
| Zinc | ug/l | NE | NE | 6.5 B | 12.5 B | 24.5 B | 29.4 B |
| Iron | ug/l | NE | NE | 92400 | 88800 | 783 | 557 |
| Lead | ug/l | NE | NE | 3 U | 3 U | 3 U | 3 U |
| Mercury | ug/l | NE | NE | .14 U | .14 U | .14 U | .68 U |
| Nickel | ug/l | NE | NE | 17.7 B | 17.7 B | 19 B | 10 B |
| Selenium | ug/l | NE | NE | 7.1 B | 11.1 B | 4 U | 4 U |
| Silver | ug/l | NE | NE | 11.3 B | 10 B | 3 U | 3 U |
| Thallium | ug/l | NE | NE | 6.8 B | 5 B | 3 U | 3 U |
| Zinc | ug/l | NE | NE | 6.5 B | 12.5 B | 24.5 B | 29.4 B |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter=Parts per Billion (ppb)

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RIDEM= Rhode Island Department of Environmental Management

Table 4b
Groundwater Quality Summary-Metals
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | RIDEM Objectives | Result | Result | Result | Result |
|-------------|-------|-----------------|------------------|----------|-----------|----------|-----------|
| Sample ID | | | | A4-A5 | A4-A5 | A4-A55 | A4-A55 |
| Lab ID | | | GB | 61293023 | 61293023D | 61293024 | 61293024D |
| Sample Date | | GA Groundwater | Groundwater | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 |
| Antimony | ug/l | NE | NE | 2 U | | 2 U | |
| Arsenic | ug/l | NE | NE | 3 U | | 7.6 B | |
| Barium | ug/l | NE | NE | 37 B | | 21.2 B | |
| Beryllium | ug/l | NE | NE | 2 U | | 2 U | |
| Cadmium | ug/l | NE | NE | 2 U | | 2 U | |
| Chromium | ug/l | NE | NE | 2 U | | 2 U | |
| Copper | ug/l | NE | NE | 2 U | | 2.5 B | |
| Cyanide | ug/l | NE | NE | 57.4 | | 121.9 | |
| Iron | ug/l | NE | NE | 35 B | | 1050 | |
| Lead | ug/l | NE | NE | 12.9 | | 7.5 | |
| Mercury | ug/l | NE | NE | .14 U | | .14 U | |
| Nickel | ug/l | NE | NE | 4.6 B | | 3.7 B | |
| Selenium | ug/l | NE | NE | 4 U | | 4 U | |
| Silver | ug/l | NE | NE | 3 U | | 3 U | |
| Thallium | ug/l | NE | NE | 3 U | | 3 U | |
| Zinc | ug/l | NE | NE | 15.8 B | | 12.3 B | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter=Parts per Billion (ppb)

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 4c
Soil and Groundwater QAQC-Metals
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result |
|-------------|-------|--------|-------|----------|----------|-------|----------|-------|---------|-------|-----------|-------|----------|-------|----------|-------|----------|-------|-------------|
| Sample ID | | 0713FB | | PBS | 0713PBS2 | | PBS | | PBW | | 0714FB | | PBS | | PBS | | PBW | | SPLP 0713B1 |
| Lab ID | | 0713FB | | 0713PBS1 | 0713PBS2 | | 0713PBS3 | | 0713PBW | | 0714FB | | 0714PBS1 | | 0714PBS2 | | 0714PBW1 | | SPLP 0713B1 |
| Sample Date | | | | | | | | | | | | | | | | | | | |
| Antimony | ug/l | 2 U | mg/Kg | .2 U | .2 UB | | | ug/l | 2 U | ug/l | 2 U | mg/Kg | .2 U | | | | | | |
| Arsenic | ug/l | 3 U | mg/Kg | .3 U | .3 U | | | ug/l | 3 U | ug/l | 3 U | mg/Kg | .3 U | | | | | | |
| Barium | ug/l | 10 B | mg/Kg | .1 U | .1 U | | | ug/l | 1 U | ug/l | 4.8 B | mg/Kg | .372 B | | | | | | |
| Beryllium | ug/l | 2 U | mg/Kg | .2 U | .2 U | | | ug/l | 2 U | ug/l | 2 U | mg/Kg | .2 U | | | | | | |
| Cadmium | ug/l | 2 U | mg/Kg | .2 U | .2 U | | | ug/l | 2 U | ug/l | 2 U | mg/Kg | .2 U | | | | | | |
| Chromium | ug/l | 2 U | mg/Kg | .2 U | .2 U | | | ug/l | 2 U | ug/l | 2 U | mg/Kg | .2 U | | | | | | |
| Copper | ug/l | 2 U | mg/Kg | .2 U | .2 U | | | ug/l | 2 U | ug/l | 2 U | mg/Kg | .2 U | | | | | | |
| Cyanide | | | | | | | | | | | | mg/Kg | .05 U | mg/Kg | .05 UB | ug/l | 1 U | | |
| Iron | ug/l | 23 U | mg/Kg | 3.527 B | 3.037 B | | | ug/l | 23 U | ug/l | 23.7 B | mg/Kg | 7.186 B | mg/Kg | 19.924 B | | | ug/l | 68.694 B |
| Lead | ug/l | 10 | mg/Kg | .473 B | .684 | | | ug/l | 3.829 B | ug/l | 4.8 B | mg/Kg | 1.194 | | | | | | |
| Mercury | | | | | | mg/Kg | .05 UB | | | mg/Kg | .00014 UN | mg/Kg | .05 U | mg/Kg | .05 U | | | | |
| Nickel | ug/l | 1 U | mg/Kg | .1 U | .1 U | | | ug/l | 1.547 B | ug/l | 1 U | mg/Kg | .1 U | | | | | | |
| Selenium | ug/l | 4 U | mg/Kg | .4 U | .4 U | | | ug/l | 6.59 B | ug/l | 4 U | mg/Kg | .4 U | | | | | | |
| Silver | ug/l | 3 U | mg/Kg | .3 U | .3 U | | | ug/l | 4.09 B | ug/l | 3 U | mg/Kg | .3 U | | | | | | |
| Thallium | ug/l | 3 U | mg/Kg | .3 U | .3 U | | | ug/l | 3 U | ug/l | 3 U | mg/Kg | .3 U | | | | | | |
| Zinc | ug/l | 12.3 B | mg/Kg | .348 B | 3.579 B | | | ug/l | 3.623 B | ug/l | 4.6 B | mg/Kg | 1.171 B | | | | | | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.
U= Undetected at Instrument Detection Limit
NE= Criterion Not Established
ug/l= Micrograms per Liter= Parts per billion (ppb)
RAWP= Remedial Action Work Plan
RIDEM= Rhode Island Department of Environmental Management

Table 4c
Soil QAQC-Metals
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result |
|-------------|-------|---------|-------|---------|-------|----------|-------|----------|-------|----------|
| Sample ID | | 0713FB1 | | 0715FB1 | | PBS | | PBS | | PBS |
| Lab ID | | 0713FB1 | | 0715FB1 | | 0715PBS1 | | 0715PBS2 | | 0717PBS1 |
| Sample Date | | | | | | | | | | |
| Antimony | | | | | | | mg/Kg | .2 U | | |
| Arsenic | | | | | | | mg/Kg | .3 U | | |
| Barium | | | | | | | mg/Kg | .965 B | | |
| Beryllium | | | | | | | mg/Kg | .2 U | | |
| Cadmium | | | | | | | mg/Kg | .2 U | | |
| Chromium | | | | | | | mg/Kg | .2 U | | |
| Copper | | | | | | | mg/Kg | 1.038 B | | |
| Cyanide | | | | | | | | | mg/Kg | .05 UB |
| Iron | | | | | | | mg/Kg | 22.197 B | | |
| Lead | | | | | | | mg/Kg | 1.192 | | |
| Mercury | ug/l | .1 U | ug/l | .1 U | mg/Kg | .05 U | mg/Kg | .05 U | | |
| Nickel | | | | | | | mg/Kg | .194 B | | |
| Selenium | | | | | | | mg/Kg | .468 B | | |
| Silver | | | | | | | mg/Kg | .982 B | | |
| Thallium | | | | | | | mg/Kg | .3 U | | |
| Zinc | | | | | | | mg/Kg | 1.297 B | | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter= Parts per billion (ppb)

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 4c
Soil and Groundwater QAQC-Metals
Proposed Algonquin Generator Area

| analyte | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Result |
|-------------|-------|---------|-------|----------|-------|----------|-------|----------|-------|---------|--------|----------|----------|
| Sample ID | | PBW | | PBS | | PBS | | PBS | | PBW | | PBS | PBS |
| Lab ID | | 0715PBW | | 0716PBS1 | | 0716PBS2 | | 0716PBS3 | | 0716PBW | | 0722PBS1 | 0722PBS2 |
| Sample Date | | | | | | | | | | | | | |
| Antimony | ug/l | 2 U | mg/Kg | .2 UB | mg/Kg | .2 UB | | | | mg/Kg | .23 B | .267 B | |
| Arsenic | ug/l | 3.324 B | mg/Kg | .3 UB | mg/Kg | .3 UB | | | | mg/Kg | .3 U | .3 U | |
| Barium | ug/l | 1 U | mg/Kg | .1 UB | mg/Kg | .1 UB | | | | mg/Kg | .1 U | .1 U | |
| Beryllium | ug/l | 2 U | mg/Kg | .2 U | mg/Kg | .2 U | | | | mg/Kg | .2 U | .2 U | |
| Cadmium | ug/l | 2 U | mg/Kg | .2 U | mg/Kg | .2 U | | | | mg/Kg | .2 U | .2 U | |
| Chromium | ug/l | 2 U | mg/Kg | .2 U | mg/Kg | .2 U | | | | mg/Kg | .2 U | .2 U | |
| Copper | ug/l | 2 U | mg/Kg | .842 B | mg/Kg | .71 B | | | | mg/Kg | .2 U | .2 U | |
| Cyanide | | | mg/Kg | .05 UB | mg/Kg | .05 UB | | | ug/l | 1 UB | | | |
| Iron | ug/l | 23 U | mg/Kg | 5.061 B | mg/Kg | 3.958 B | | | | mg/Kg | 2.3 U | 10.621 B | |
| Lead | ug/l | 3.856 B | mg/Kg | .3 U | mg/Kg | .3 U | | | | mg/Kg | .3 U | .3 U | |
| Mercury | ug/l | .1 U | | | mg/Kg | .05 U | mg/Kg | .05 U | | | | | |
| Nickel | ug/l | 1 | mg/Kg | .177 B | mg/Kg | .1 U | | | | mg/Kg | .1 U | .1 U | |
| Selenium | ug/l | 4 U | mg/Kg | .4 U | mg/Kg | .413 B | | | | mg/Kg | .4 U | .976 B | |
| Silver | ug/l | 3 U | mg/Kg | 8.682 | mg/Kg | 8.782 | | | | mg/Kg | .473 B | .605 B | |
| Thallium | ug/l | 3 U | mg/Kg | .3 U | mg/Kg | .3 U | | | | mg/Kg | .3 U | .3 U | |
| Zinc | ug/l | 2 U | mg/Kg | .714 B | mg/Kg | .685 B | | | | mg/Kg | .245 B | .2 U | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter= Parts per billion (ppb)

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 4c
Soil and Groundwater QAQC-Metals
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Result | Units | Result | Result | Units | Result | Units | Result |
|--------------------|-------|--------|-------|------------|------------|-------|------------|------------|-------|------------|-------|------------|
| Sample ID | | 0713FB | | PBS | PBS | | PBS | PBS | | PBW | | PBW |
| Lab ID | | 0713FB | | 0714PBS1 | 0714PBS2 | | 0715PBS1 | 0715PBS2 | | 0715PBW | | 0715PBW1 |
| Sample Date | | | | | | | | | | | | |
| Antimony | | | mg/Kg | .2 U | .2 U | | | | ug/l | 2 U | | |
| Arsenic | | | mg/Kg | .3 U | .3 U | | | | ug/l | 3.324 B | | |
| Barium | | | mg/Kg | .372 B | .204 B | | | | ug/l | 1 U | | |
| Beryllium | | | mg/Kg | .2 U | .2 U | | | | ug/l | 2 U | | |
| Cadmium | | | mg/Kg | .2 U | .2 U | | | | ug/l | 2 U | | |
| Chromium | | | mg/Kg | .2 U | .2 U | | | | ug/l | 2 U | | |
| Copper | | | mg/Kg | .2 U | .2 U | | | | ug/l | 2 U | | |
| Cyanide | ug/l | 50 UN | | | | mg/Kg | .05 UB | .05 U | | | ug/l | 1 U |
| Iron | | | | | 19.924 B | | | | ug/l | 23 U | | |
| Lead | | | mg/Kg | 1.194 | .935 | | | | ug/l | 3.856 B | | |
| Mercury | | | mg/Kg | .05 U | .05 U | | | | ug/l | .1 U | | |
| Nickel | | | mg/Kg | .1 U | .1 U | | | | ug/l | 1 U | | |
| Selenium | | | mg/Kg | .4 U | .4 U | | | | ug/l | 4 U | | |
| Silver | | | mg/Kg | .3 U | .3 U | | | | ug/l | 3 U | | |
| Thallium | | | mg/Kg | .3 U | .3 U | | | | ug/l | 3 U | | |
| Zinc | | | mg/Kg | 1.171 B | .56 B | | | | ug/l | 2 U | | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter= Parts per billion (ppb)

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 4c
Soil QAQC-Metals
Proposed Algonquin Generator Area

| Analyte | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result | Units | Result |
|-------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|----------|-------|----------|-------|---------|-------|---------|
| Sample ID | | 0713FB | | 0713FB1 | | 0715FB | | 0715FB1 | | PBS | | PBS | | PBW | | PBS |
| Lab ID | | 0713FB | | 0713FB1 | | 0715FB | | 0715FB1 | | 0715PBS1 | | 0715PBS2 | | 0715PBW | | 0719PBS |
| Sample Date | | | | | | | | | | | | | | | | |
| Antimony | ug/l | 2 U | | | ug/l | 2 U | | | mg/Kg | .2 U | | | ug/l | 2 U | | |
| Arsenic | ug/l | 3.489 B | | | ug/l | 3 U | | | mg/Kg | .325 B | | | ug/l | 3.324 B | | |
| Barium | ug/l | 1.174 B | | | ug/l | 1 U | | | mg/Kg | .19 B | | | ug/l | 1 U | | |
| Beryllium | ug/l | 2 U | | | ug/l | 2 U | | | mg/Kg | .2 U | | | ug/l | 2 U | | |
| Cadmium | ug/l | 2 U | | | ug/l | 2 U | | | mg/Kg | .2 U | | | ug/l | 2 U | | |
| Chromium | ug/l | 2 U | | | ug/l | 2 U | | | mg/Kg | .2 U | | | ug/l | 2 U | | |
| Copper | ug/l | 2 U | | | ug/l | 2 U | | | mg/Kg | .2 U | | | ug/l | 2 U | | |
| Cyanide | | | | | | | | | | | | | | | mg/Kg | 4.435 |
| Iron | ug/l | 23 U | | | ug/l | 23 U | | | mg/Kg | 2.3 U | | | ug/l | 23 U | | |
| Lead | ug/l | 4.962 B | | | ug/l | 3.644 B | | | mg/Kg | .696 | | | ug/l | 3.856 B | | |
| Mercury | | | ug/l | .1 U | | | ug/l | .1 U | mg/Kg | .05 U | mg/Kg | .05 U | | | | |
| Nickel | ug/l | 1 U | | | ug/l | 1 U | | | mg/Kg | .1 U | | | ug/l | 1 U | | |
| Selenium | ug/l | 4 U | | | ug/l | 4 U | | | mg/Kg | .4 U | | | ug/l | 4 U | | |
| Silver | ug/l | 3 U | | | ug/l | 3 U | | | mg/Kg | .3 U | | | ug/l | 3 U | | |
| Thallium | ug/l | 3 UB | | | ug/l | 3 U | | | mg/Kg | .3 U | | | ug/l | 3 U | | |
| Zinc | ug/l | 2.391 B | | | ug/l | 6.501 B | | | mg/Kg | .26 B | | | ug/l | 2 U | | |

B= The reported value was obtained by a reading that was less than
Contract Required Detection Limit but greater than or equal to
Instrument Detection Limit.

U= Undetected at Instrument Detection Limit

NE= Criterion Not Established

ug/l= Micrograms per Liter= Parts per billion (ppb)

RAWP= Remedial Action Work Plan

RIDEM= Rhode Island Department of Environmental Management

Table 5a
Soil Quality Summary-Pesticides
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result |
|-----------------------|-------|-----------------|----------|-------------------------------------|--------------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-----------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Com) | GB Leachability Criteria | A4-S1(0-2) | A4-S2(0-2) | A4-S3(0-2) | A4-S4(0-2) | A4-S5(0-2) | A4-S51(0-2) | A4-S52(0-2) | A4-S53(0-2) | A4-S54(0-2) | A4-S55(0-2) | PBLK03 |
| Site ID | | | | | | 61293006 | 61293007 | 61293008 | 61293009 | 61293010 | 61293011 | 61293012 | 61293013 | 61293014 | 61293015 | P0713-BS1 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-16-99 |
| alpha-BHC | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 2 P | 3.1 | 4.8 P | 5.2 P | 11 P | 1.7 U |
| beta-BHC | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 2 U | 1.8 U | 1.8 U | 1.7 U |
| delta-BHC | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 1.9 U | 22 P | 2 U | 16 P | 28 PE | 1.7 U |
| gamma-BHC (Lindane) | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 2 U | 1.8 U | 1.8 U | 1.7 U |
| Heptachlor | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 3.5 P | 1.8 U | 1.8 U | 1.7 U |
| Aldrin | ug/Kg | NE | NE | NE | NE | 2.4 P | 0.24 U | 0.23 U | 1.8 U | 2.4 P | 1.9 U | 2.6 | 6.2 | 1.8 U | 1.8 U | 1.7 U |
| Heptachlor epoxide | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 2.1 P | 1.8 U | 1.8 U | 1.7 U |
| Endosulfan I | ug/Kg | NE | NE | NE | NE | 0.23 U | 0.24 U | 0.23 U | 3 P | 1.9 U | 1.9 U | 1.8 U | 6.7 P | 1.8 U | 1.8 U | 1.7 U |
| Dieldrin | ug/Kg | NE | NE | 400 | NE | 0.44 U | 0.48 U | 0.45 U | 3.4 U | 3.6 U | 2.6 JP | 7.6 P | 11 P | 3.6 P | 14 P | 3.3 U |
| 4,4-DDE | ug/Kg | NE | NE | NE | NE | 0.44 U | 0.48 U | 0.45 U | 3.4 U | 3.6 U | 3.7 U | 3.4 U | 3.8 U | 3.4 U | 3.4 U | 3.3 U |
| Endrin | ug/Kg | NE | NE | NE | NE | 6.6 P | 4.6 P | 5.3 P | 3.4 U | 3.6 U | 3.7 U | 1.3 JP | 3.8 U | 10 P | 3.4 U | 3.3 U |
| Endosulfan II | ug/Kg | NE | NE | NE | NE | 0.44 U | 0.48 U | 0.45 U | 3.4 U | 3.6 U | 3.7 U | 3.4 U | 3.8 U | 3.4 U | 33 P | 3.3 U |
| 4,4-DDD | ug/Kg | NE | NE | NE | NE | 0.44 U | 0.48 U | 0.45 U | 3.4 U | 3.6 U | 3.7 U | 3.4 U | 3.8 U | 8.8 P | 3.4 U | 3.3 U |
| Endosulfan sulfate | ug/Kg | NE | NE | NE | NE | 16 P | 1.9 P | 5.4 P | 3.4 U | 3.6 U | 3.7 U | 3.4 U | 3.8 U | 6.8 P | 7.6 P | 3.3 U |
| 4,4-DDT | ug/Kg | NE | NE | NE | NE | 7.2 P | 5.4 | 9.1 P | 3.4 U | 3.6 U | 3.7 U | 3.4 U | 3.8 U | 4.6 P | 3.4 U | 3.3 U |
| Methoxychlor | ug/Kg | NE | NE | NE | NE | 48 P | 2.4 U | 37 P | 12 JP | 8.3 J | 28 P | 52 P | 130 P | 41 P | 240 | 17 U |
| Endrin ketone | ug/Kg | NE | NE | NE | NE | 25 | 0.48 U | 19 P | 14 P | 3.6 U | 3.7 U | 24 P | 3.8 U | 22 P | 52 | 3.3 U |
| Endrin aldehyde | ug/Kg | NE | NE | NE | NE | 0.44 U | 0.48 U | 0.45 U | 3.4 U | 3.6 U | 3.7 U | 3.4 U | 3.8 U | 3.4 U | 86 PE | 3.3 U |
| Toxaphene | ug/Kg | NE | NE | NE | NE | 23 U | 24 U | 23 U | 180 U | 190 U | 190 U | 180 U | 200 U | 180 U | 180 U | 170 U |
| Chlordane (technical) | ug/Kg | NE | NE | 4400 | NE | 0.23 U | 0.24 U | 0.23 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 2 U | 190 P | 1.8 U | 1.7 U |
| Surrogates: | | | | | | | | | | | | | | | | |
| Decachlorobiphenyl | % | | | | | 85 | 85 | 85 | 85 | 87 | 80 | 80 | 126 | 62 | 52 | 88 |
| Tetrachloro-m-xylene | % | | | | | 127 | 127 | 127 | 127 | 113 | 88 | 150 | 59 | 83 | 116 | 96 |

NE = Criterion Not Established

U = Not Detected

P = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

J = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound.

JP = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound. Also, in Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

PE = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported. Also, analyte concentration exceeded the Calibration Range.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 5a
Soil Quality Summary-Pesticides
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|-----------------------|-------|-----------------|----------|--|--------------------------|-----------|-----------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Com m.) | GB Leachability Criteria | A4S8(0-2) | A4S9(0-2) | A4S16(0-2) | A4S17(0-2) | A4S18(0-2) | A4S47(0-2)DUP | A4S46(0-2) | A4S46(0-2) | A4S47(0-2) | A4S48(0-2) | A4S49(0-2) | A4S50(0-2) | PBLK03 | PBLK04 |
| Lab ID | | | | | | 61296002 | 61296005 | 61296006 | 61296008 | 61296010 | 61296020 | 61296021 | 61296021DL | 61296022 | 61296023 | 61296025 | 61296026 | P0713-BS1 | P0713-BS2 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-12-99 | 07-16-99 | 07-16-99 |
| alpha-BHC | ug/Kg | NE | NE | NE | NE | 1.8 U | 1.8 U | 1.9 U | 1.8 U | 17 P | 2.1 P | 19 P | 18 U | 1.7 U | 1.9 U | 6.8 P | 3.3 P | 1.7 U | 1.7 U |
| beta-BHC | ug/Kg | NE | NE | NE | NE | 1.8 U | 1.8 U | 1.9 U | 1.8 U | 2 U | 2 U | 1.8 U | 18 U | 1.7 U | 1.9 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| delta-BHC | ug/Kg | NE | NE | NE | NE | 1.8 U | 1.8 U | 1.9 U | 1.8 U | 2 U | 2 U | 24 P | 18 U | 1.7 U | 1.9 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| gamma-BHC (Lindane) | ug/Kg | NE | NE | NE | NE | 5.2 P | 1.8 U | 1.9 U | 1.8 U | 2 U | 16 P | 1.8 U | 18 U | 1.7 U | 1.9 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| Heptachlor | ug/Kg | NE | NE | NE | NE | 1.8 U | 1.8 U | 2.1 P | 1.8 U | 2 U | 2 U | 1.8 U | 18 U | 1.7 U | 1.9 U | 4.4 P | 1.8 U | 1.7 U | 1.7 U |
| Aldrin | ug/Kg | NE | NE | NE | NE | 1.8 U | 1.8 U | 4.9 P | 3.4 P | 2 U | 2 U | 1.8 U | 18 U | 1.7 U | 1.9 U | 1.9 P | 1.8 U | 1.7 U | 1.7 U |
| Heptachlor epoxide | ug/Kg | NE | NE | NE | NE | 3 P | 1.8 U | 15 P | 5.3 P | 24 P | 2 U | 1.8 U | 18 U | 1.7 U | 1.9 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| Endosulfan I | ug/Kg | NE | NE | NE | NE | 1.8 U | 1.8 U | 1.9 U | 1.8 U | 2 U | 2 U | 1.8 U | 18 U | 1.7 U | 1.9 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| Dieldrin | ug/Kg | NE | NE | 400 | NE | 4 P | 3.4 U | 4.3 P | 3.6 U | 24 P | 5.5 P | 8.5 P | 34 U | 3.3 U | 11 P | 29 P | 3.7 P | 3.3 U | 3.3 U |
| 4,4-DDE | ug/Kg | NE | NE | NE | NE | 3.5 U | 3.4 U | 3.7 U | 3.6 U | 3.8 U | 3.8 U | 3.4 U | 34 U | 3.3 U | 3.7 U | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| Endrin | ug/Kg | NE | NE | NE | NE | 6.2 P | 3.4 U | 3.7 U | 3.6 U | 3.8 U | 3.8 U | 3.4 U | 34 U | 3.3 U | 3.7 U | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| Endosulfan II | ug/Kg | NE | NE | NE | NE | 3.5 U | 3.4 U | 3.7 U | 3.6 U | 3.8 U | 3.8 U | 52 | 55 DP | 3.3 U | 3.7 U | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| 4,4-DDD | ug/Kg | NE | NE | NE | NE | 3.5 U | 3.4 U | 3.7 U | 3.6 U | 33 P | 3.8 U | 3.4 U | 34 U | 3.3 U | 3.7 U | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| Endosulfan sulfate | ug/Kg | NE | NE | NE | NE | 3.5 U | 3.4 U | 3.7 U | 3.6 U | 3.8 U | 3.8 U | 3.4 U | 34 U | 3.3 U | 3.7 U | 16 P | 3.4 U | 3.3 U | 3.3 U |
| 4,4-DDT | ug/Kg | NE | NE | NE | NE | 25 | 3.4 U | 44 | 24 | 3.8 U | 3.8 U | 13 P | 34 U | 3.3 U | 32 P | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| Methoxychlor | ug/Kg | NE | NE | NE | NE | 81 | 18 U | 190 | 70 | 95 | 20 P | 320 PE | 980 DP | 17 U | 19 U | 18 U | 18 U | 17 U | 17 U |
| Endrin ketone | ug/Kg | NE | NE | NE | NE | 3.5 U | 3.4 U | 3.7 U | 3.6 U | 3.8 U | 3.8 U | 220 PE | 310 DP | 3.3 U | 21 P | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| Endrin aldehyde | ug/Kg | NE | NE | NE | NE | 32 P | 3.4 U | 3.7 U | 3.6 U | 3.8 U | 26 P | 3.4 U | 34 U | 3.3 U | 16 P | 3.5 U | 3.4 U | 3.3 U | 3.3 U |
| Toxaphene | ug/Kg | NE | NE | NE | NE | 180 U | 180 U | 190 U | 180 U | 200 U | 200 U | 180 U | 1800 U | 170 U | 190 U | 180 U | 180 U | 170 U | 170 U |
| Chlordane (technical) | ug/Kg | NE | NE | 4400 | NE | 1.8 U | 1.8 U | 1.9 U | 1.8 U | 2 U | 2 U | 1.8 U | 18 U | 1.7 U | 1.9 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U |
| Surrogates: | | | | | | | | | | | | | | | | | | | |
| Decachlorobiphenyl | % | | | | | 353 | 88 | 511 | 98 | 41 | 70 | 35 | 35 | 73 | 120 | 111 | 90 | 88 | 91 |
| trachloro-m-xylene | % | | | | | 87 | 96 | 58 | 60 | 250 | 206 | 78 | 0 | 112 | 81 | 252 | 143 | 96 | 98 |

NE = Criterion Not Established

U = Not Detected

P = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

DP = Analyte concentration obtained from a diluted analysis and In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

PE = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported. Also, analyte concentration exceeded the Calibration Range.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 5a
Soil Quality Summary-Pesticides
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | |
|--------------------------|-------|-----------------|----------|--|--------------------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Com m.) | GB Leachability Criteria | A4S13(0-2) | A4S14(0-2) | A4S14(0-2)DUP | A4S19(0-2) | A4S20(0-2) | A4S21(0-2) | A4S24(0-2) | A4S36(0-2) | A4S38(0-2) | A4S45(0-2) | PBLK02 |
| Lab ID | | | | | | 61303001 | 61303003 | 61303004 | 61303006 | 61303008 | 61303011 | 61303013 | 61303019 | 61303020 | 61303021 | P0715-BS1 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-20-99 |
| alpha-BHC | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 2.8 | 1.7 U | 2 P | 4.3 P | 1.7 U |
| beta-BHC | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U | 1.8 U | 1.7 U | 1.7 U |
| delta-BHC | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U | 1.8 U | 6.7 P | 1.7 U |
| gamma-BHC (Lindane) | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 4.1 P | 1.7 U | 1.8 U | 1.7 U | 1.7 U |
| Heptachlor | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U | 1.8 U | 1.7 U | 1.7 U |
| Aldrin | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.7 P | 1.7 U | 2.2 P | 1.7 U | 1.7 U |
| Heptachlor epoxide | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U | 1.7 U | 1.8 U | 1.7 U | 1.7 U |
| Endosulfan I | ug/Kg | NE | NE | NE | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.9 P | 11 P | 1.7 U | 2 P | 3.4 P | 1.7 U |
| Dieldrin | ug/Kg | NE | NE | 400 | NE | 2.3 JP | 3.4 U | 3.5 U | 3.5 U | 4.4 P | 3.5 U | 7 P | 3.4 U | 3.5 U | 6.5 P | 3.3 U |
| 4,4-DDE | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 3.5 U | 3.5 U | 3.5 U | 3.5 U | 3.4 U | 3.4 U | 3.5 U | 3.4 U | 3.3 U |
| Endrin | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 3.5 U | 3.5 U | 3.5 U | 3.5 U | 3.4 U | 3.4 U | 3.5 U | 3.4 U | 3.3 U |
| Endosulfan II | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 3.5 U | 3.5 U | 3.5 U | 3.5 U | 11 | 7.7 P | 3.5 U | 22 | 3.3 U |
| 4,4-DDD | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 3.5 U | 3.5 U | 3.5 U | 3.5 U | 23 | 4.2 P | 3.5 U | 3.4 U | 3.3 U |
| Endosulfan sulfate | ug/Kg | NE | NE | NE | NE | 23 P | 3.4 U | 3.5 U | 3.5 U | 16 P | 3.5 U | 3.4 U | 3.4 U | 3.5 U | 3.4 U | 3.3 U |
| 4,4-DDT | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 4.5 P | 3.5 U | 9.6 P | 3.5 U | 32 P | 3.4 U | 7.1 P | 3.4 U | 3.3 U |
| Methoxychlor | ug/Kg | NE | NE | NE | NE | 22 P | 18 U | 18 U | 5.9 JP | 87 | 50 | 150 P | 17 U | 18 P | 45 P | 17 U |
| Endrin ketone | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 3.5 U | 3.5 U | 3.5 U | 3.5 U | 3.4 U | 3.4 U | 3.5 U | 33 P | 3.3 U |
| Endrin aldehyde | ug/Kg | NE | NE | NE | NE | 3.4 U | 3.4 U | 3.5 U | 3.5 U | 3.5 U | 3.5 U | 3.4 U | 3.4 U | 3.5 U | 3.4 U | 3.3 U |
| Toxaphene | ug/Kg | NE | NE | NE | NE | 170 U | 180 U | 180 U | 180 U | 180 U | 180 U | 170 U | 170 U | 180 U | 170 U | 170 U |
| Chlordane (technical) | ug/Kg | NE | NE | 4400 | NE | 1.7 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 180 | 90 | 150 P | 1.7 U | 1.7 U |
| Surrogates: | | | | | | | | | | | | | | | | |
| Decachlorobiphenyl | % | | | | | 88 | 88 | 83 | 96 | 70 | 59 | 54 | 85 | 59 | 49 | 95 |
| 1,2,4-trichloro-m-xylene | % | | | | | 79 | 107 | 101 | 99 | 79 | 107 | 83 | 103 | 88 | 115 | 103 |

NE = Criterion Not Established

U = Not Detected

P = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

JP = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and in Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 5a
Soil Quality Summary-Pesticides
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | | |
|-----------------------|-------|-----------------|----------|--|--------------------------|----------------|-------------|--------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Com m.) | GB Leachability Criteria | A4-S27(0-2)DUP | A4-S27(0-2) | A4-S27(6-10) | A4-S28(0-2)DUP | A4-S28(0-2) | A4-S29(0-2) | A4-S30(0-2) | A4-S31(0-2) | A4-S32(0-2) | A4-S32(0-2) | A4-S34(0-2) | A4-S35(0-2) | A4-S26(0-2) | A4-S33(0-2) | A4-S22(0-2) | PBLK03 |
| Lab ID | | 0'-2' | > 2'-10' | 0'-2' | 2'-10' | 61305001 | 61305002 | 61305003 | 61305004 | 61305006 | 61305008 | 61305010 | 61305012 | 61305014 | 61305014DL | 61305017 | 61305018 | 61305020 | 61305022 | 61305023 | P0715-BS2 |
| Sample Date | | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 | 07-13-99 |
| alpha-BHC | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.9 U | 1.9 U | 4.7 P | 18 U | 1.7 U | 1.7 U | 1.8 U | 1.9 U | 1.8 U | 1.7 U |
| beta-BHC | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 39 DP | 1.7 U | 1.7 U | 1.8 U | 1.9 U | 1.8 U | 1.7 U |
| delta-BHC | ug/Kg | NE | NE | NE | NE | 2.7 P | 2.8 P | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.9 U | 1.9 U | 30 PE | 18 U | 1.7 U | 1.7 U | 1.8 U | 1.9 U | 4.1 P | 1.7 U |
| gamma-BHC (Lindane) | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 3 P | 2.9 P | 1.8 U | 1.8 P | 4.8 P | 1.8 U | 18 U | 1.7 U | 1.7 U | 2.5 P | 2.2 | 8.6 P | 1.7 U |
| Heptachlor | ug/Kg | NE | NE | NE | NE | 2.7 P | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 18 U | 1.7 U | 1.7 U | 1.8 U | 1.9 U | 1.8 U | 1.7 U |
| Aldrin | ug/Kg | NE | NE | NE | NE | 4.2 | 4.1 P | 1.9 U | 1.9 U | 1.9 U | 2.4 P | 1.9 U | 4 | 6.6 P | 18 U | 1.7 U | 1.7 U | 2 P | 1.9 U | 4.5 P | 1.7 U |
| Heptachlor epoxide | ug/Kg | NE | NE | NE | NE | 7.7 P | 5.5 P | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.9 U | 1.9 U | 4.1 P | 18 U | 1.7 U | 1.7 U | 1.8 | 1.9 U | 1.8 U | 1.7 U |
| Endosulfan I | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 18 U | 1.7 U | 1.7 U | 1.8 | 1.9 U | 1.8 U | 1.7 U |
| Dieldrin | ug/Kg | NE | NE | 400 | NE | 22 P | 35 P | 32 | 5.4 P | 8.2 P | 6.7 P | 3.6 U | 12 P | 62 PE | 180 DP | 3.4 U | 8.1 P | 8.8 P | 2.5 P | 16 P | 3.3 U |
| 4,4-DDE | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.5 U | 35 U | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| Endrin | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.5 U | 320 DP | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| Endosulfan II | ug/Kg | NE | NE | NE | NE | 10 P | 11 P | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 25 P | 67 DP | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| 4,4-DDD | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.5 U | 35 U | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| Endosulfan sulfate | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 28 P | 55 DP | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| 4,4-DDT | ug/Kg | NE | NE | NE | NE | 7.4 P | 5.4 P | 3.6 U | 3.6 U | 10 P | 3.5 U | 3.6 U | 6.2 P | 4.5 P | 35 U | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| Methoxychlor | ug/Kg | NE | NE | NE | NE | 230 | 200 | 19 U | 19 U | 19 U | 18 U | 19 U | 19 U | 380 PE | 1600 D | 17 U | 22 P | 18 U | 19 U | 2.4 U | 17 U |
| Endrin ketone | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 180 E | 370 DP | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| Endrin aldehyde | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.5 U | 35 U | 3.4 U | 3.4 U | 3.5 U | 3.6 U | 3.5 U | 3.3 U |
| Toxaphene | ug/Kg | NE | NE | NE | NE | 190 U | 190 U | 190 U | 190 U | 190 U | 180 U | 190 U | 190 U | 180 U | 1800 U | 170 U | 170 U | 180 U | 190 U | 180 U | 170 U |
| Chlordane (technical) | ug/Kg | NE | NE | 4400 | NE | 1.9 U | 1.9 U | 1.9 U | 31 P | 1.9 U | 1.8 U | 1.9 U | 120 | 150 P | 18 U | 9.9 | 64 | 27 P | 1.9 U | 1.8 U | 1.7 U |
| Surrogates: | | | | | | | | | | | | | | | | | | | | | |
| Decachlorobiphenyl | % | | | | | 99 | 100 | | 138 | 102 | 147 | 78 | 114 | 46 | 0 | 82 | 147 | 63 | 89 | 56 | 85 |
| trachloro-m-xylene | % | | | | | 88 | 97 | | 118 | 99 | 108 | 84 | 97 | 70 | 0 | 105 | 134 | 112 | 146 | 87 | 99 |

NE = Criterion Not Established

U = Not Detected

P = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

E = Analyte concentration exceeded the Calibration Range.

DP = Analyte concentration obtained from a diluted analysis and In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

PE = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported. Also, analyte concentration exceeded the Calibration Range.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 5a
Soil Quality Summary-Pesticides
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result | Result | Result | Result | |
|-----------------------|-------|-----------------|----------|-------------------------------------|--------------------------|------------|------------|---------------|------------|------------|------------|------------|------------|-----------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Com) | GB Leachability Criteria | A4S37(0-2) | A4S39(0-2) | A4S39(0-2)DUP | A4S40(0-2) | A4S41(0-2) | A4S42(0-2) | A4S43(0-2) | A4S44(0-2) | PBLK03 |
| Lab ID | | | | | | 61312001 | 61312004 | 61312005 | 61312006 | 61312008 | 61312010 | 61312012 | 61312014 | P0721-BS1 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-22-99 |
| alpha-BHC | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 | 9.2 | 4.1 | 1.8 U | 2.7 P | 10 | 1.8 U | 1.7 U |
| beta-BHC | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 1.7 U |
| delta-BHC | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.8 U | 1.9 U | 18 P | 1.8 U | 1.7 U |
| gamma-BHC (Lindane) | ug/Kg | NE | NE | NE | NE | 1.9 P | 1.9 U | 1.9 U | 1.8 P | 1.8 U | 3.2 P | 1.9 U | 1.8 U | 1.7 U |
| Heptachlor | ug/Kg | NE | NE | NE | NE | 1.9 U | 5.1 | 1.9 U | 1.8 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 1.7 U |
| Aldrin | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 1.7 U |
| Heptachlor epoxide | ug/Kg | NE | NE | NE | NE | 1.9 U | 1.9 U | 1.9 U | 3 P | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 1.7 U |
| Endosulfan I | ug/Kg | NE | NE | NE | NE | 2.6 P | 2.2 P | 16 P | 1.8 U | 1.8 U | 1.9 U | 21 P | 1.8 U | 1.7 U |
| Dieldrin | ug/Kg | NE | NE | 400 | NE | 7 P | 17 P | 18 P | 6.3 P | 8.1 | 6 P | 22 P | 3.6 U | 3.3 U |
| 4,4-DDE | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.7 U | 3.6 U | 3.3 U |
| Endrin | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.7 U | 3.6 U | 3.3 U |
| Endosulfan II | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 4.3 | 3.6 U | 3.7 U | 3.6 U | 3.3 U |
| 4,4-DDD | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.7 U | 3.6 U | 3.3 U |
| Endosulfan sulfate | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.7 U | 5.6 P | 3.3 U |
| 4,4-DDT | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 10 P | 3.6 U | 5.8 P | 18 P | 3.3 U |
| Methoxychlor | ug/Kg | NE | NE | NE | NE | 51 P | 81 | 54 P | 18 U | 34 P | 77 | 61 | 5.5 JP | 17 U |
| Endrin ketone | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 19 P | 3.6 U | 3.7 U | 3.6 U | 3.3 U |
| Endrin aldehyde | ug/Kg | NE | NE | NE | NE | 3.6 U | 3.6 U | 3.6 U | 3.5 U | 3.6 U | 3.6 U | 3.7 U | 3.6 U | 3.3 U |
| Toxaphene | ug/Kg | NE | NE | NE | NE | 190 U | 190 U | 190 U | 180 U | 180 U | 190 U | 190 U | 180 U | 170 U |
| Chlordane (technical) | ug/Kg | NE | NE | 4400 | NE | 1.9 U | 1.9 U | 1.9 U | 1.8 U | 1.8 U | 1.9 U | 1.9 U | 1.8 U | 1.7 U |
| Surrogates: | | | | | | | | | | | | | | |
| Decachlorobiphenyl | % | | | | | 78 | 177 | 60 | 35 | 43 | 100 | 40 | 58 | 85 |
| Tetrachloro-m-xylene | % | | | | | 62 | 102 | 54 | 144 | 102 | 79 | 96 | 94 | 104 |

NE = Criterion Not Established

U = Not Detected

P = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

JP = Estimated value due to either the compound being under the detection limit or estimated concentration for Tentatively Identified Compound and in Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 5a
Soil Quality Summary-Pesticides
Proposed Algonquin Generator Area

| Analyte | Units | RAWP Objectives | | RIDEM Objectives | | Result | Result | Result | Result | Result |
|-----------------------|-------|-----------------|----------|--------------------------------------|--------------------------|------------|------------|------------|------------|-----------|
| Sample ID | | | | Direct Exposure Criteria (Ind./Comm) | GB Leachability Criteria | A4S56(0-2) | A4S57(0-2) | A4S58(0-2) | A4S59(0-2) | PBLK03 |
| Lab ID | | | | | | 61314001 | 61314003 | 61314005 | 61314007 | P0721-BS1 |
| Sample Date | | 0'-2' | > 2'-10' | 0'-2' | > 2'-10' | 07-14-99 | 07-14-99 | 07-14-99 | 07-14-99 | 07-22-99 |
| alpha-BHC | ug/Kg | NE | NE | NE | NE | 12 P | 1.8 U | 1.8 U | 1.8 U | 1.7 U |
| beta-BHC | ug/Kg | NE | NE | NE | NE | 2 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U |
| delta-BHC | ug/Kg | NE | NE | NE | NE | 2 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U |
| gamma-BHC (Lindane) | ug/Kg | NE | NE | NE | NE | 2 U | 3.6 P | 2.6 P | 1.8 U | 1.7 U |
| Heptachlor | ug/Kg | NE | NE | NE | NE | 2 U | 1.8 U | 1.8 U | 1.8 U | 1.7 U |
| Aldrin | ug/Kg | NE | NE | NE | NE | 2 U | 7.7 | 1.8 U | 1.8 U | 1.7 U |
| Heptachlor epoxide | ug/Kg | NE | NE | NE | NE | 2 U | 5.5 P | 1.8 U | 2 P | 1.7 U |
| Endosulfan I | ug/Kg | NE | NE | NE | NE | 2 U | 2 P | 1.8 U | 1.8 U | 1.7 U |
| Dieldrin | ug/Kg | NE | NE | 400 | NE | 14 P | 3.4 U | 7.6 P | 3.5 U | 3.3 U |
| 4,4-DDE | ug/Kg | NE | NE | NE | NE | 3.8 U | 3.4 U | 3.5 U | 3.5 U | 3.3 U |
| Endrin | ug/Kg | NE | NE | NE | NE | 3.8 U | 22 P | 3.5 U | 3.5 U | 3.3 U |
| Endosulfan II | ug/Kg | NE | NE | NE | NE | 9.4 P | 11 P | 3.5 U | 3.5 U | 3.3 U |
| 4,4-DDD | ug/Kg | NE | NE | NE | NE | 3.8 U | 3.4 U | 3.5 U | 14 P | 3.3 U |
| Endosulfan sulfate | ug/Kg | NE | NE | NE | NE | 14 P | 3.4 U | 3.5 U | 3.5 U | 3.3 U |
| 4,4-DDT | ug/Kg | NE | NE | NE | NE | 3.8 U | 23 | 9.9 P | 9.1 P | 3.3 U |
| Methoxychlor | ug/Kg | NE | NE | NE | NE | 220 P | 18 U | 18 U | 30 P | 17 U |
| Endrin ketone | ug/Kg | NE | NE | NE | NE | 81 | 3.4 U | 3.5 U | 3.5 U | 3.3 U |
| Endrin aldehyde | ug/Kg | NE | NE | NE | NE | 3.8 U | 3.4 U | 3.5 U | 3.5 U | 3.3 U |
| Toxaphene | ug/Kg | NE | NE | NE | NE | 200 U | 180 U | 180 U | 180 U | 170 U |
| Chlordane (technical) | ug/Kg | NE | NE | 4400 | NE | 2 U | 110 | 1.8 U | 210 | 1.7 U |
| Surrogates: | | | | | | | | | | |
| Decachlorobiphenyl | % | | | | | 40 | 263 | 62 | 70 | 85 |
| Tetrachloro-m-xylene | % | | | | | 35 | 61 | 68 | 77 | 104 |

NE = Criterion Not Established

U = Not Detected

P = In Pesticide/PCB analytes, this is used when there is a greater than 40% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported.

ug/Kg = Micrograms per Kilogram = Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | |
|------------------------------|-------------------------------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-------|
| Sample ID | | A4-S1(6-10) | | A4-S1(2-6) | | A4-S2(6-10) | | A4-S3(2-6) | | A4-S3(6-10) | | A4-S1(0-2) | | A4-S2(0-2) | | A4-S3(0-2) | | A4-S4(0-2) | | A4-S5(0-2) | |
| Sample Date | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | |
| Aroclor-1016 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| Aroclor-1221 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| Aroclor-1232 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| Aroclor-1242 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| Aroclor-1248 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| Aroclor-1254 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| Aroclor-1260 | ug/Kg | ND | 270 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | ND |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | 10000 |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | 10000 |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 85 | | 81 | | 82 | | 80 | | 79 | | 77 | | 80 | | 74 | | 80 | | 78 | 78 |
| Decachlorobiphenyl | % | 85 | | 88 | | 83 | | 79 | | 78 | | 78 | | 83 | | 76 | | 79 | | 77 | 77 |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 RAWP = Remedial Action Work Plan
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 Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results |
|-------------------------------------|----------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|--------------|-----------------|---------------|-----------------|-------------|
| Sample ID | | | A4-S51(0-2) | | A4-S52(0-2) | | A4-S53(0-2) | | A4-S54(0-2) | | A4-S55(0-2) | | A4-S55(6-10) | | A4-S55(2.5-6) | | A4-S52(2-6) |
| Sample Date | | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 |
| Aroclor-1016 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| Aroclor-1221 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| Aroclor-1232 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| Aroclor-1242 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| Aroclor-1248 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| Aroclor-1254 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| Aroclor-1260 | ug/Kg | 250 U | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 |
| | > 2'-10' | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 |
| RIDEM PCB Objectives (ug/Kg) | 0'-2' | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 |
| Direct Exposure Criteria (Ind/Comm) | | | | | | | | | | | | | | | | | |
| GB Leachability Criteria | > 2'-10' | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | | 88 | | 78 | | 70 | | 82 | | 88 | | 84 | | 85 | | 82 |
| Decachlorobiphenyl | % | | 88 | | 79 | | 74 | | 89 | | 82 | | 85 | | 78 | | 86 |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 RAWP = Remedial Action Work Plan
 RIDEM = Rhode Island Department of
 Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|--------------------------------------|-----------------|---------------------|-----------------|--------------------|-----------------|--------------------|-----------------|---------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|
| Sample ID | | | A4-S54(6-10) | | A4-S4(6-10) | | A4-S54(2-6) | | A4-S53(6-10) | | Method Blank, TB0712-BS1 | | Method Blank, TB0712-BS2 | |
| Sample Date | | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | | | | |
| Aroclor-1016 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1221 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1232 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1242 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1248 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1254 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1260 | ug/Kg | 250 U | ND | 270 U | ND | 250 U | ND | 270 U | ND | 260 U | ND | 250 U | ND | 250 U |
| RAWP PCB Objectives (ug/Kg) | | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Incl/Comm) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | GB Leachability Criteria | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| Surrogate Recovery | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | | 88 | | 76 | | 83 | | 86 | | 98 | | 96 | |
| Decachlorobiphenyl | % | | 86 | | 77 | | 83 | | 88 | | 97 | | 97 | |

NE = Criterion Not Established

U = Undetected at Instrument Detection Limit

ND = Not Detected

mg/Kg = Milligrams per Kilogram =

Parts per Million (ppm)

ug/l = Micrograms per Liter =

Parts per Billion (ppb)

RAWP = Remedial Action Work Plan

RIDEM = Rhode Island Department of
Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | | |
|------------------------------|-------------------------------------|------------|-----------------|-----------|-----------------|------------|-----------------|-----------|-----------------|-----------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-------|
| Sample ID | | A4S5(6-10) | | A4S8(0-2) | | A4S8(6-10) | | A4S9(2-6) | | A4S9(0-2) | | A4S16(0-2) | | A4S16(6-10) | | A4S17(0-2) | | A4S17(6-10) | | A4S18(0-2) | |
| Sample Date | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | |
| Aroclor-1016 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| Aroclor-1221 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| Aroclor-1232 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| Aroclor-1242 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| Aroclor-1248 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| Aroclor-1254 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| Aroclor-1260 | ug/Kg | ND | 250 U | ND | 250 U | ND | 260 U | ND | 290 U | ND | 260 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 300 U | ND | 270 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 86 | | 67 | | 67 | | 86 | | 92 | | 78 | | 81 | | 73 | | 64 | | 84 | |
| Decachlorobiphenyl | % | 86 | | 63 | | 63 | | 78 | | 92 | | 78 | | 83 | | 75 | | 78 | | 74 | |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 VP = Remedial Action Work Plan
 DEM = Rhode Island Department of
 Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|-------------|-----------------|-----------------|-----------------|------------|-----------------|----------------|-----------------|-------------|-----------------|-------------|-----------------|------------|-----------------|---------------|-----------------|------------|-----------------|------------|-----------------|
| Sample ID | | A4S18(6-10) | | A4S18(6-10) DUP | | A4S48(2-6) | | A4S48(2-6) DUP | | A4S49(6-10) | | A4S50(6-10) | | A4S51(2-6) | | A4S47(0-2)DUP | | A4S46(0-2) | | A4S47(0-2) | |
| Sample Date | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | |
| Aroclor-1016 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| Aroclor-1221 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| Aroclor-1232 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| Aroclor-1242 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| Aroclor-1248 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| Aroclor-1254 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| Aroclor-1260 | ug/Kg | ND | 270 U | ND | 260 U | ND | 290 U | ND | 280 U | ND | 260 U | ND | 240 U | ND | 270 U | ND | 280 U | ND | 250 U | ND | ND |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 84 | | 72 | | 87 | | 89 | | 81 | | 85 | | 75 | | 76 | | 120 | | 83 | |
| Decachlorobiphenyl | % | 79 | | 80 | | 81 | | 83 | | 79 | | 82 | | 74 | | 80 | | 75 | | 83 | |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
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Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| Sample ID | | | A4S48(0-2) | | A4S47(2-6) | | A4S49(0-2) | | A4S50(0-2) | | A4S46(2-6) | | Method Blank, TB0713-BS1 | | Method Blank, TB0713-BS2 | |
| Sample Date | | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | 07/12/99 | | | | | |
| Aroclor-1016 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1221 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1232 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1242 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1248 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1254 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| Aroclor-1260 | ug/Kg | 230 U | ND | 270 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 250 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | GB Leachability Criteria | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| Surrogate Recovery | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | | 92 | | 76 | | 91 | | 87 | | 76 | | 83 | | 80 | |
| Decachlorobiphenyl | % | | 78 | | 77 | | 88 | | 86 | | 77 | | 84 | | 80 | |

NE = Criterion Not Established
U = Undetected at Instrument Detection Limit
ND = Not Detected
mg/Kg = Milligrams per Kilogram =
Parts per Million (ppm)
ug/l = Micrograms per Liter =
Parts per Billion (ppb)
RAWP = Remedial Action Work Plan
RIDEM = Rhode Island Department of
Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | | |
|------------------------------|-------------------------------------|------------|-----------------|-------------|-----------------|------------|-----------------|----------------|-----------------|------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|------------|-----------------|----------------|-------|
| Sample ID | | A4S13(0-2) | | A4S13(6-10) | | A4S14(0-2) | | A4S14(0-2) DUP | | A4S14(2-6) | | A4S19(0-2) | | A4S19(6-10) | | A4S20(0-2) | | A4S20(2-6) | | A4S20(2-6) DUP | |
| Sample Date | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | |
| Aroclor-1016 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| Aroclor-1221 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| Aroclor-1232 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| Aroclor-1242 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| Aroclor-1248 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| Aroclor-1254 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| Aroclor-1260 | ug/Kg | ND | 240 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 260 U | ND | 260 U | ND | 260 U | ND | 240 U | ND | 300 U | ND | 270 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10,000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | | 10,000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | | 10,000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 83 | | 82 | | 89 | | 76 | | 82 | | 101 | | 73 | | 84 | | 78 | | 236 | |
| Decachlorobiphenyl | % | 86 | | 84 | | 85 | | 75 | | 81 | | 87 | | 78 | | 83 | | 79 | | 78 | |

NE = Criterion Not Established
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 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
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Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|----------------|-----------------|-------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| Sample ID | | A4S21(0-2) | | A4S21(6-10) | | A4S24(0-2) | | A4S36(6-10) | | A4S38(2-4) | | A4S38(2-4) DUP | | A4S38(6-10) | | A4S45(2-6) | | A4S36(0-2) | | A4S38(0-2) | | A4S45(0-2) | |
| Sample Date | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | |
| Aroclor-1016 | ug/Kg | ND | 250 U | ND | 260 U | ND | 210 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| Aroclor-1221 | ug/Kg | ND | 250 U | ND | 260 U | ND | 210 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| Aroclor-1232 | ug/Kg | ND | 250 U | ND | 260 U | ND | 210 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| Aroclor-1242 | ug/Kg | ND | 250 U | ND | 260 U | ND | 210 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| Aroclor-1248 | ug/Kg | ND | 250 U | ND | 260 U | ND | 210 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| Aroclor-1254 | ug/Kg | ND | 250 U | ND | 260 U | 1300 | 210 | 550 | 250 | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| Aroclor-1260 | ug/Kg | ND | 250 U | ND | 260 U | ND | 210 U | ND | 250 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 250 U | ND | ND |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 76 | | 79 | | 81 | | 85 | | 77 | | 83 | | 82 | | 74 | | 77 | | 77 | | 86 | |
| Decachlorobiphenyl | % | 75 | | 74 | | 81 | | 81 | | 78 | | 81 | | 82 | | 75 | | 79 | | 79 | | 88 | |

NE = Criterion Not Established
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 ND = Not Detected
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 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 .W.P = Remedial Action Work Plan
 .DEM = Rhode Island Department of
 Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| Sample ID | | | Method Blank, TB0714-BS1 | | Method Blank, TB0714-BS2 | |
| Sample Date | | | | | | |
| Aroclor-1016 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| Aroclor-1221 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| Aroclor-1232 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| Aroclor-1242 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| Aroclor-1248 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| Aroclor-1254 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| Aroclor-1260 | ug/Kg | 250 U | ND | 250 U | ND | 250 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | | 10000 | | 10000 | |
| | > 2'-10' | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | | 10000 | |
| | GB Leachability Criteria | > 2'-10' | 10000 | | 10000 | |
| Surrogate Recovery | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | | 72 | | 70 | |
| Decachlorobiphenyl | % | | 73 | | 73 | |

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 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 RP = Remedial Action Work Plan
 JEM = Rhode Island Department of
 Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|-----------------|-----------------|-------------|-----------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|--------------|-----------------|-------------|-----------------|--------------|-----------------|-------------|-----------------|
| Sample ID | | A4-S27(0-2) DUP | | A4-S27(0-2) | | A4-S27(6-10) | | A4-S28(0-2)DUP | | A4-S28(2-6)DUP | | A4-S28(0-2) | | A4-S28(2-6) | | A4-S29(0-2) | | A4-S29(6-10) | | A4-S30(0-2) | | A4-S30(6-10) | | A4-S31(0-2) | |
| Sample Date | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | |
| Aroclor-1016 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| Aroclor-1221 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| Aroclor-1232 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| Aroclor-1242 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| Aroclor-1248 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| Aroclor-1254 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| Aroclor-1260 | ug/Kg | ND | 270 U | ND | 260 U | ND | 280 U | ND | 260 U | ND | 260 U | ND | 250 U | ND | 290 U | ND | 250 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 260 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | GB Leachability Criteria | > 2'-10' | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 71 | | 82 | | 72 | | 80 | | 68 | | 71 | | 68 | | 86 | | 80 | | 82 | | 89 | | 85 | |
| Decachlorobiphenyl | % | 84 | | 171 | | 104 | | 106 | | 74 | | 74 | | 76 | | 87 | | 77 | | 80 | | 85 | | 83 | |

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 Parts per Billion (ppb)
 RAWP = Remedial Action Work Plan
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Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | | |
|------------------------------|-------------------------------------|--------------|-----------------|-------------|-----------------|-------------|-----------------|--------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|--------------|-------|
| Sample ID | | A4-S31(6-10) | | A4-S32(0-2) | | A4-S32(2-6) | | A4-S33(6-10) | | A4-S34(0-2) | | A4-S35(0-2) | | A4-S24(2-8) | | A4-S26(0-2) | | A4-S26(6-10) | |
| Sample Date | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | |
| Aroclor-1016 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| Aroclor-1221 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| Aroclor-1232 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| Aroclor-1242 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| Aroclor-1248 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| Aroclor-1254 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| Aroclor-1260 | ug/Kg | ND | 260 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 240 U | ND | 240 U | ND | 240 U | ND | 250 U | ND | 270 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 86 | | 79 | | 78 | | 78 | | 84 | | 96 | | 86 | | 84 | | 86 | |
| Decachlorobiphenyl | % | 86 | | 86 | | 84 | | 78 | | 88 | | 85 | | 86 | | 82 | | 87 | |

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 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 RAWP = Remedial Action Work Plan
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Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|-------------|-----------------|-------------|-----------------|--------------|-----------------|-------------|-----------------|--------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| Sample ID | | A4-S33(0-2) | | A4-S22(0-2) | | A4-S34(6-10) | | A4-S22(2-6) | | A4-S35(6-10) | | Method Blank, TB0714-BS2 | | Method Blank, TB0714-BS3 | |
| Sample Date | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | 07/13/99 | | | | | |
| Aroclor-1016 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| Aroclor-1221 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| Aroclor-1232 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| Aroclor-1242 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| Aroclor-1248 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| Aroclor-1254 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| Aroclor-1260 | ug/Kg | ND | 260 U | ND | 270 U | ND | 250 U | ND | 250 U | ND | 270 U | ND | 250 U | ND | 250 U |
| RAWP PCB Objectives (ug/Kg) | | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| RIDEW PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 93 | | 88 | | 83 | | 80 | | 82 | | 71 | | 86 | |
| Decachlorobiphenyl | % | 93 | | 84 | | 81 | | 84 | | 81 | | 84 | | 82 | |

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 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
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Proposed Algonquin Generator Area

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|------------------------------|-------------------------------------|------------|-----------------|-------------|-----------------|---------------|-----------------|------------|-----------------|----------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-------|
| Sample ID | | A4S37(0-2) | | A4S37(6-10) | | A4S37(6-10)EX | | A4S39(0-2) | | A4S39(0-2) DUP | | A4S40(0-2) | | A4S40(6-10) | | A4S41(0-2) | | A4S41(6-10) | | A4S42(0-2) | | A4S42(6-10) | |
| Sample Date | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | |
| Aroclor-1016 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| Aroclor-1221 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| Aroclor-1232 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| Aroclor-1242 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| Aroclor-1248 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| Aroclor-1254 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| Aroclor-1260 | ug/Kg | ND | 270 U | ND | 280 U | ND | 270 U | ND | 270 U | ND | 270 U | ND | 240 U | ND | 260 U | ND | 270 U | ND | 270 U | ND | 280 U | ND | 240 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 77 | | 78 | | 84 | | 102 | | 93 | | 87 | | 83 | | 77 | | 83 | | 88 | | 74 | |
| Decachlorobiphenyl | % | 80 | | 79 | | 80 | | 78 | | 83 | | 78 | | 82 | | 79 | | 84 | | 82 | | 76 | |

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 U = Undetected at Instrument Detection Limit
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 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
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Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | | |
|------------------------------|-------------------------------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|-----------------|-----------------|-------------|-----------------|-----------------|-----------------|--------------------------|-------|
| Sample ID | | A4S43(0-2) | | A4S43(6-10) | | A4S44(0-2) | | A4S44(6-10) | | A4S44(6-10) DUP | | A4S39(6-10) | | A4S39(6-10) DUP | | Method Blank, TB0716-BS1 | |
| Sample Date | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | | |
| Aroclor-1016 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| Aroclor-1221 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| Aroclor-1232 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| Aroclor-1242 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| Aroclor-1248 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| Aroclor-1254 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| Aroclor-1260 | ug/Kg | ND | 290 U | ND | 260 U | ND | 250 U | ND | 260 U | ND | 270 U | ND | 280 U | ND | 290 U | ND | 250 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 81 | | 76 | | 85 | | 79 | | 84 | | 83 | | 83 | | 88 | |
| Decachlorobiphenyl | % | 81 | | 78 | | 85 | | 80 | | 86 | | 84 | | 84 | | 88 | |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 RP = Remedial Action Work Plan
 DEM = Rhode Island Department of
 Environmental Management

Table 6a
Soil Quality Summary-PCBs
Proposed Algonquin Generator Area

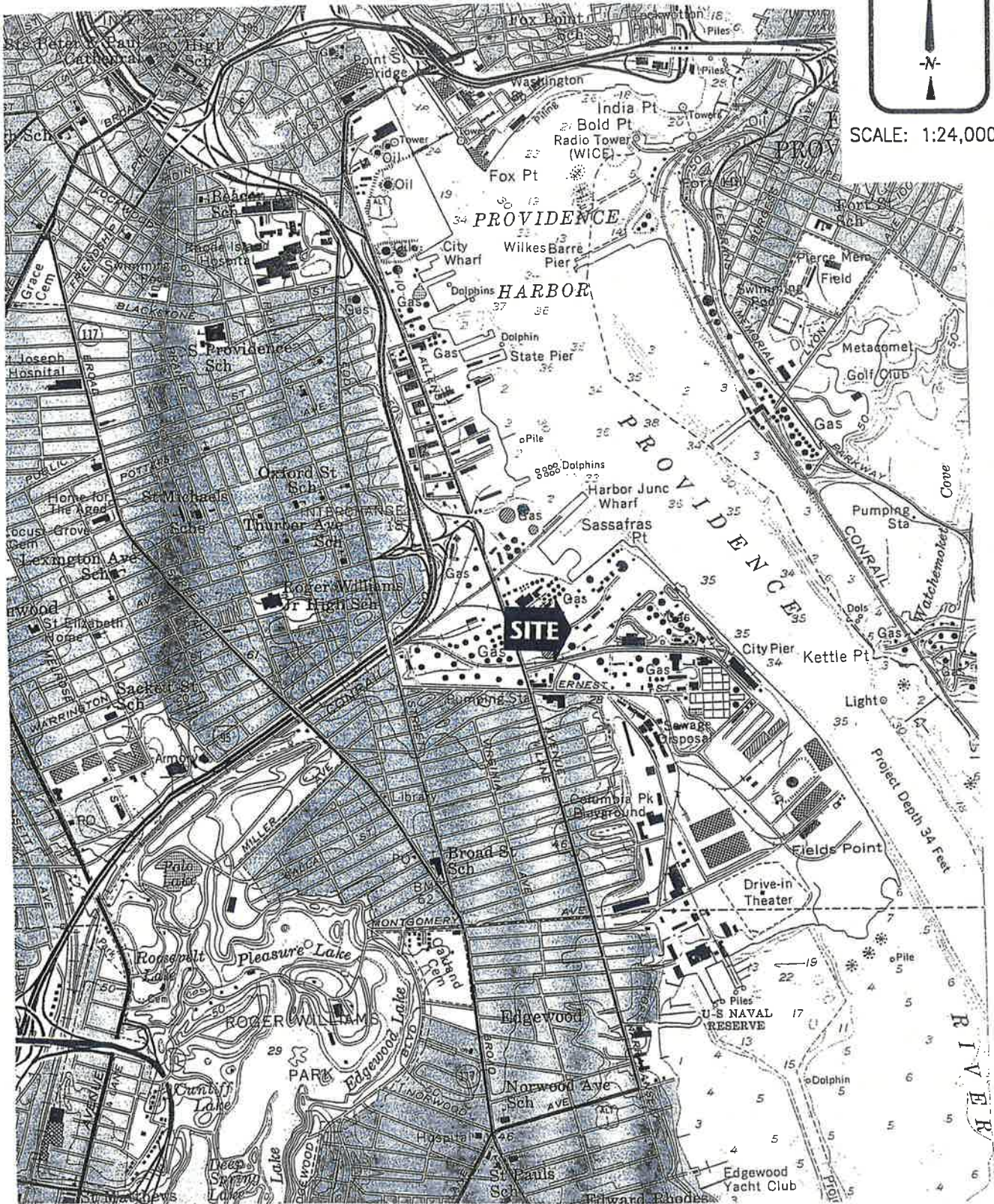
| Analyte | Units | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit | Results | Detection Limit |
|------------------------------|-------------------------------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|-------------|-----------------|--------------------------|-----------------|
| Sample ID | | A4S56(0-2) | | A4S56(6-10) | | A4S57(0-2) | | A4S57(6-10) | | A4S58(0-2) | | A4S58(6-10) | | A4S59(0-2) | | A4S59(6-10) | | Method Blank, TB0716-BS2 | |
| Sample Date | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | 07/14/99 | | | |
| Aroclor-1016 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| Aroclor-1221 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| Aroclor-1232 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| Aroclor-1242 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| Aroclor-1248 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| Aroclor-1254 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| Aroclor-1260 | ug/Kg | ND | 260 U | ND | 250 U | ND | 250 U | ND | 280 U | ND | 260 U | ND | 280 U | ND | 240 U | ND | 240 U | ND | 250 U |
| RAWP PCB Objectives (ug/Kg) | 0'-2' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| | > 2'-10' | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | | 10000 | |
| RIDEM PCB Objectives (ug/Kg) | Direct Exposure Criteria (Ind/Comm) | 0'-2' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| | GB Leachability Criteria | > 2'-10' | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Surrogate Recovery | | | | | | | | | | | | | | | | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 93 | | 87 | | 87 | | 65 | | 90 | | 240 | | 66 | | 59 | | 89 | |
| Decachlorobiphenyl | % | 85 | | 91 | | 97 | | 62 | | 92 | | 83 | | 72 | | 63 | | 91 | |

NE = Criterion Not Established
 U = Undetected at Instrument Detection Limit
 ND = Not Detected
 mg/Kg = Milligrams per Kilogram =
 Parts per Million (ppm)
 ug/l = Micrograms per Liter =
 Parts per Billion (ppb)
 WP = Remedial Action Work Plan
 DEM = Rhode Island Department of
 Environmental Management



FIGURES





Source: USGS Map of the Providence, Rhode Island Quadrangle.

DATE 8/24/99
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ESS
 Environmental Scientists,
 Engineers, and Planners

PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
SITE LOCATION PLAN

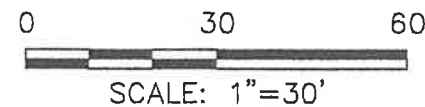
FIGURE NO.
1
 FILE
 P15100010F1

NOTES:

- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗ 15 Borings eliminated (See notes 2, 3, 5 & 6)

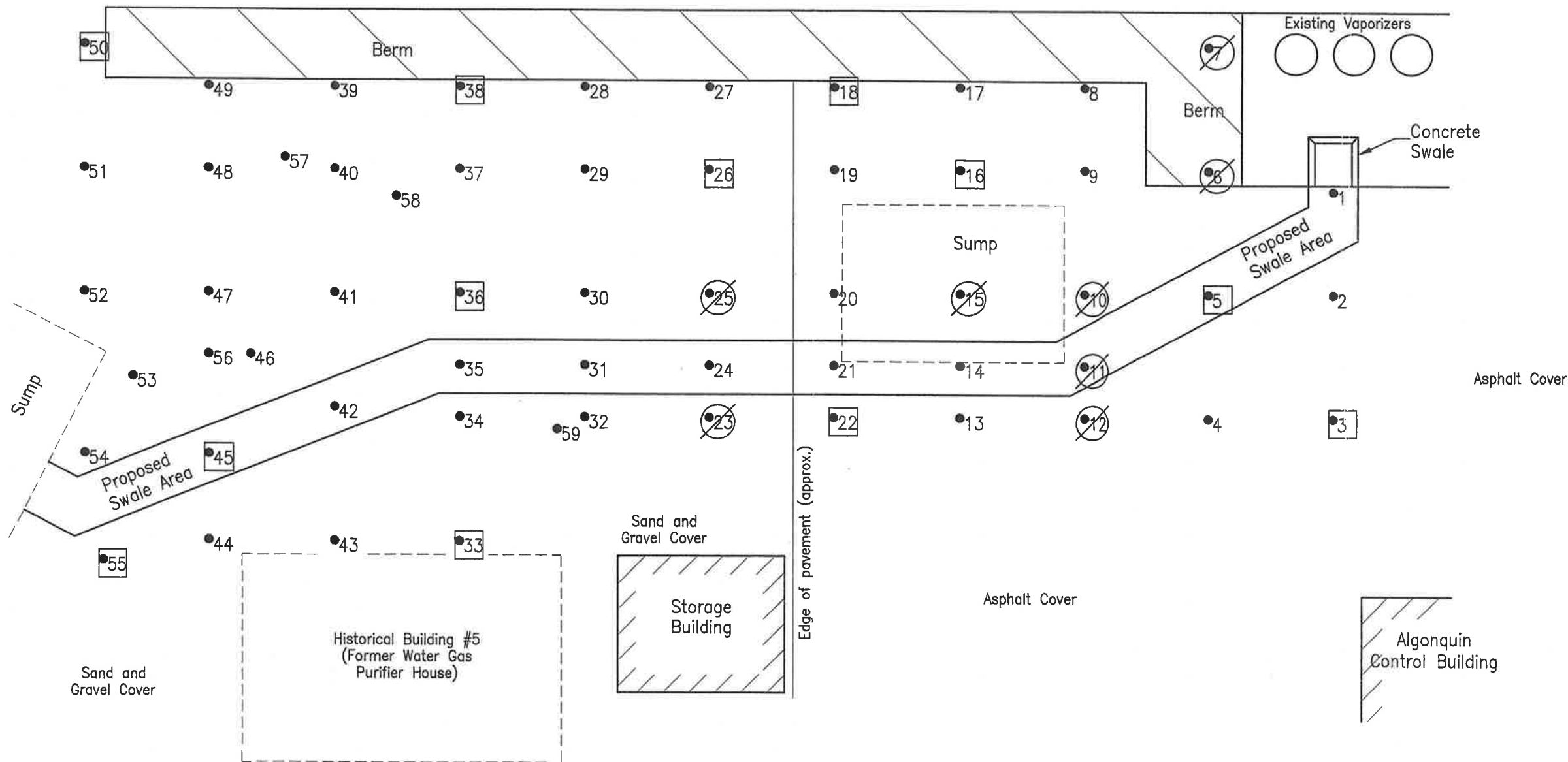


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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
SUBSURFACE INVESTIGATION
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
2
 FILE
 P15100010B2



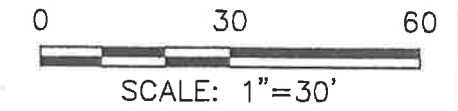
SITE PLAN

NOTES:

- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.
- RIDEM Direct Exposure Limit for TPH 2500 ppm

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- 15 Borings eliminated (See notes 2, 3, 5 & 6)
- ND Not detected above Method Detection Limit
- DUP Duplicate Sample Result
- Exceedance of Remedial Action Work Plan Objective

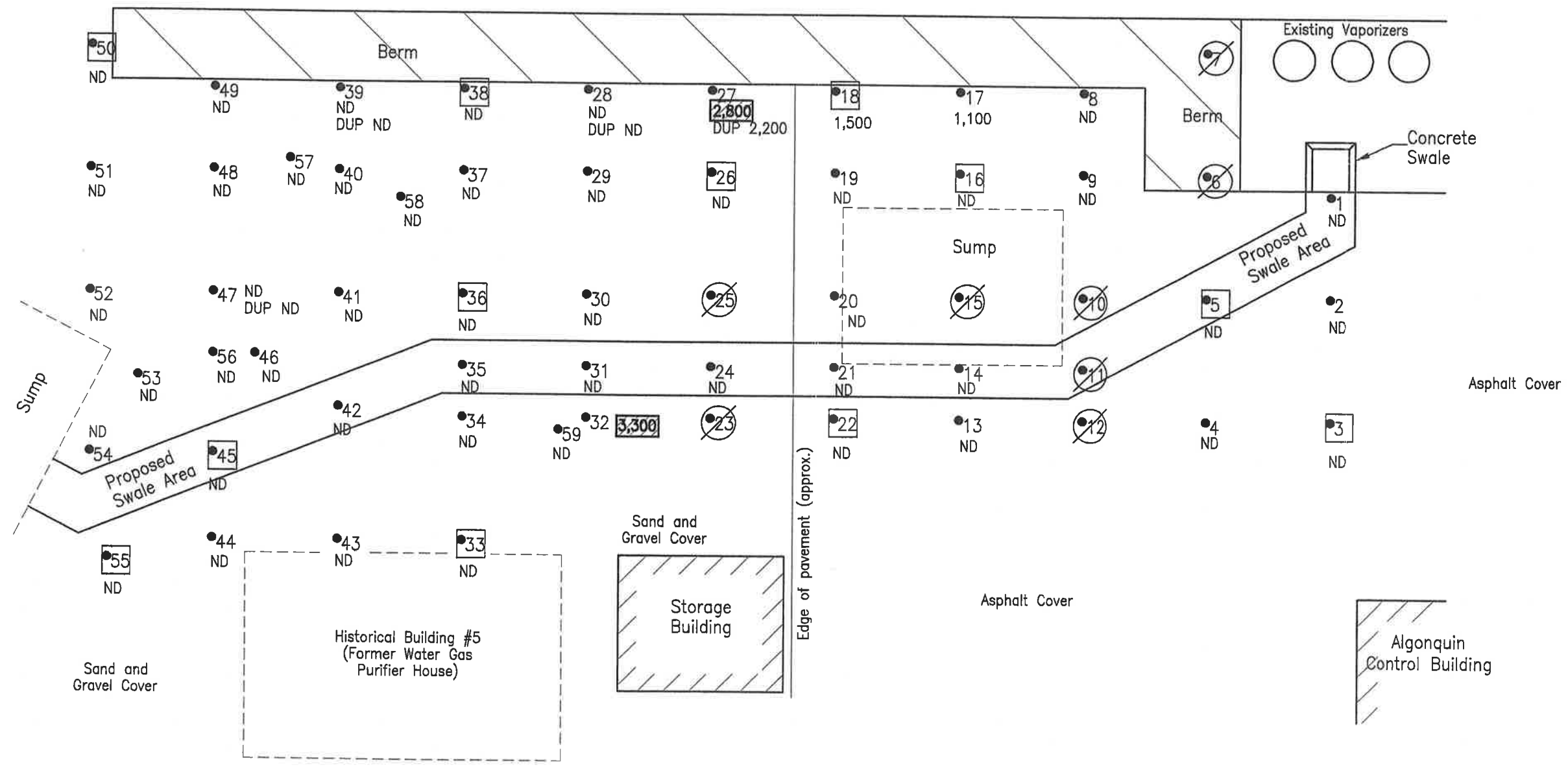


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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
TPH SURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO. **3**
 FILE P15100010B3



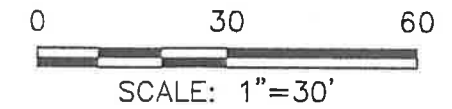
TPH SURFACE (0'-2')
 mg/kg or ppm

NOTES:

- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.
- Remedial Action Work Plan Objective 30,000 ppm

LEGEND

- Boring location
- ☐18 Borings with temporary 1" well points
- ⊗15 Borings eliminated (See notes 2, 3, 5 & 6)
- ND Not detected above Method Detection Limit
- DUP Duplicate Sample Result
- ▨ Exceedance of Objective
- EX Extra sample taken (#37 only)

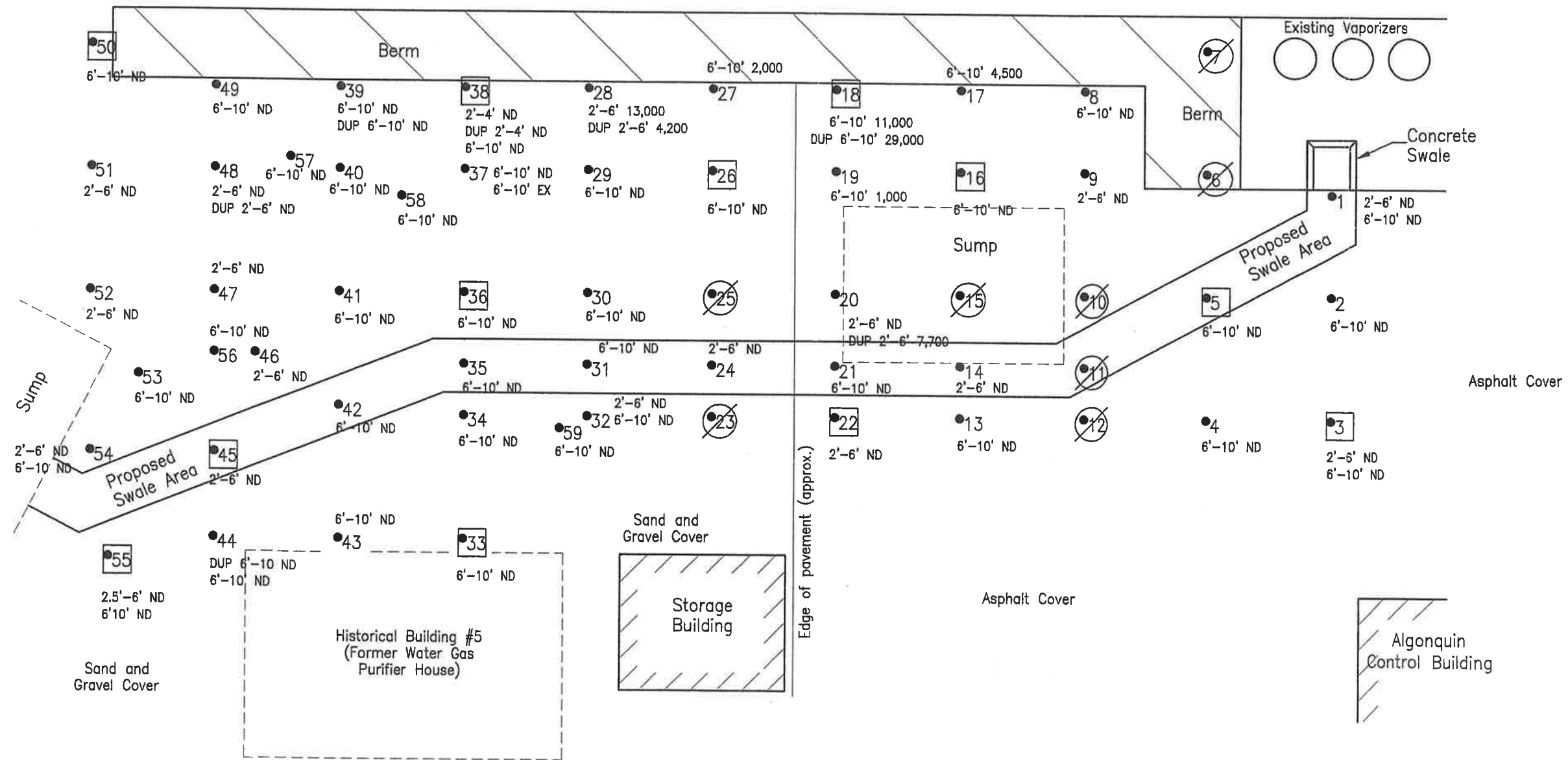


DATE 9/24/99
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 REV



PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
 TPH SUBSURFACE CONCENTRATIONS
 PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
4
 FILE
 P15100010B4



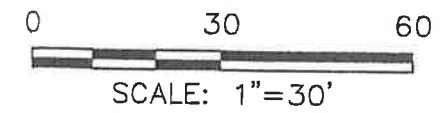
TPH SUBSURFACE (2'-10')
 mg/kg or ppm

NOTES:

- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Boring with temporary 1" well points
- 15 Boring eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Direct Exposure Criteria in absence of Work Plan Objectives
- NA Not Analyzed - Not enough sample received at laboratory
- DUP Duplicate sample results

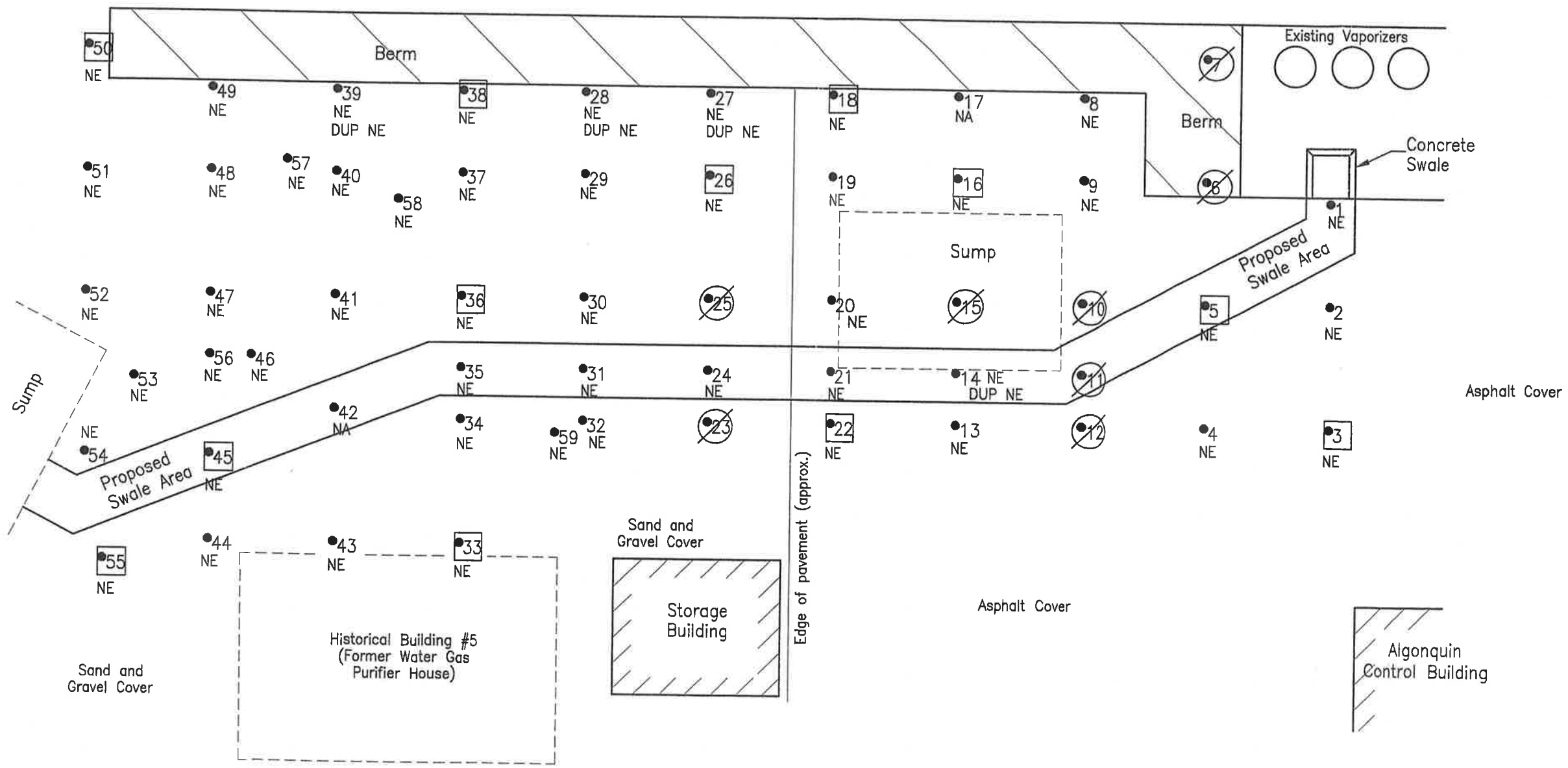


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| DATE | 9/24/99 |
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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
VOC SURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
5
 FILE
 P15100010B5



VOC SURFACE (0'-2')
 µg/kg or ppb

NOTES:

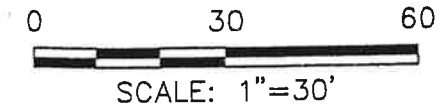
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- 5 Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Work Plan Objectives
- DUP Duplicate sample result
- Area of 1 foot Excavation and Backfill
- Area of 2 foot Fill

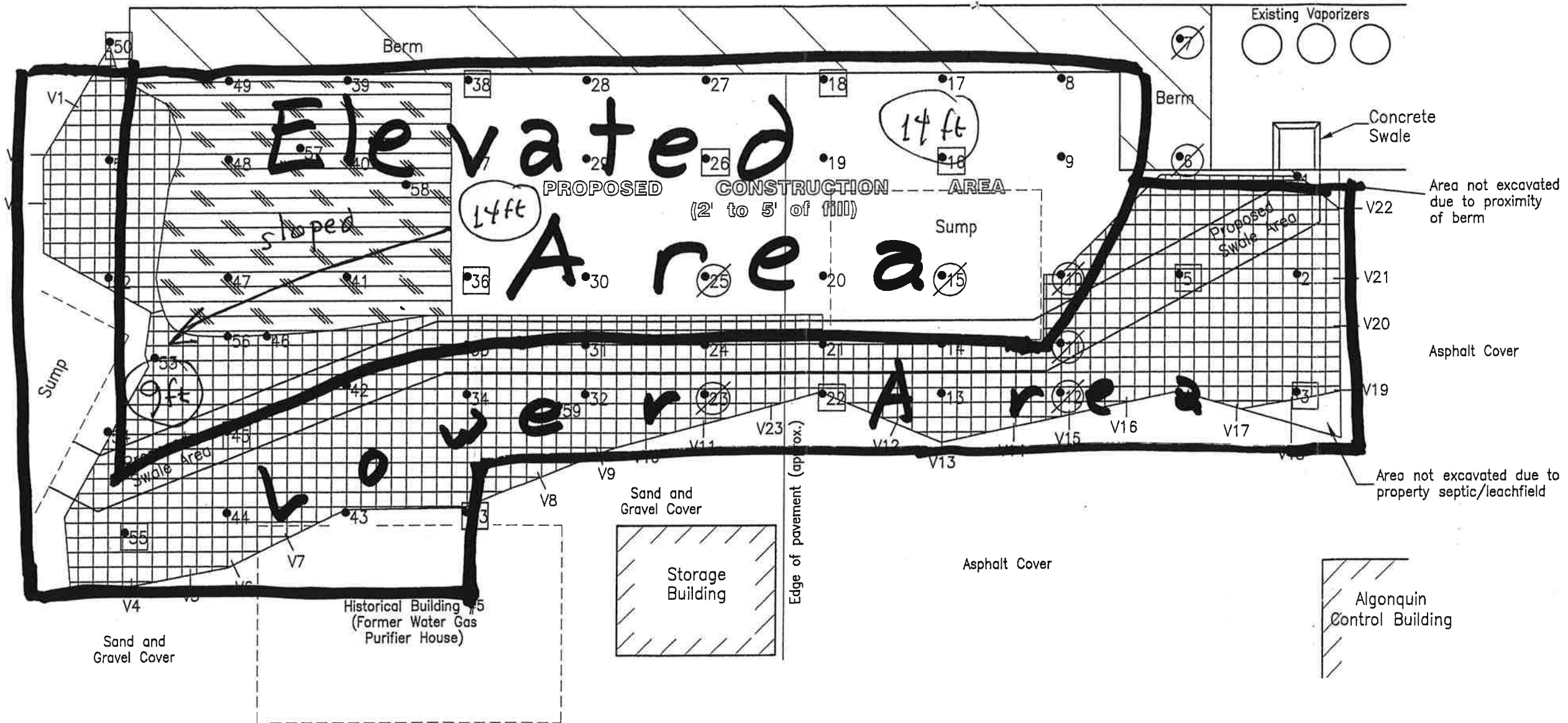
VERIFICATION SAMPLE ANALYSIS PERFORMED

| | |
|-------------|--------------|
| V1 ARSENIC* | V11 ARSENIC* |
| V2 ARSENIC | V12 SVOC |
| V3 ARSENIC | V13 SVOC |
| V4 ARSENIC | V14 SVOC |
| V5 ARSENIC | V15 SVOC |
| V6 ARSENIC | V16 SVOC |
| V7 ARSENIC* | V17 ARSENIC |
| V8 ARSENIC | V18 ARSENIC |
| SVOC | V19 ARSENIC |
| TPH | V20 ARSENIC* |
| V9 ARSENIC* | SVOC |
| SVOC | V21 SVOC |
| TPH | V22 SVOC |
| V10 ARSENIC | V23 ARSENIC* |
| SVOC* | |
| TPH | |



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* Locations that exceed Remedial Action Work Plan Objectives



REMEDIAL ALTERNATIVES AND SAMPLING LOCATIONS



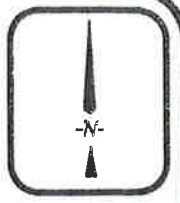
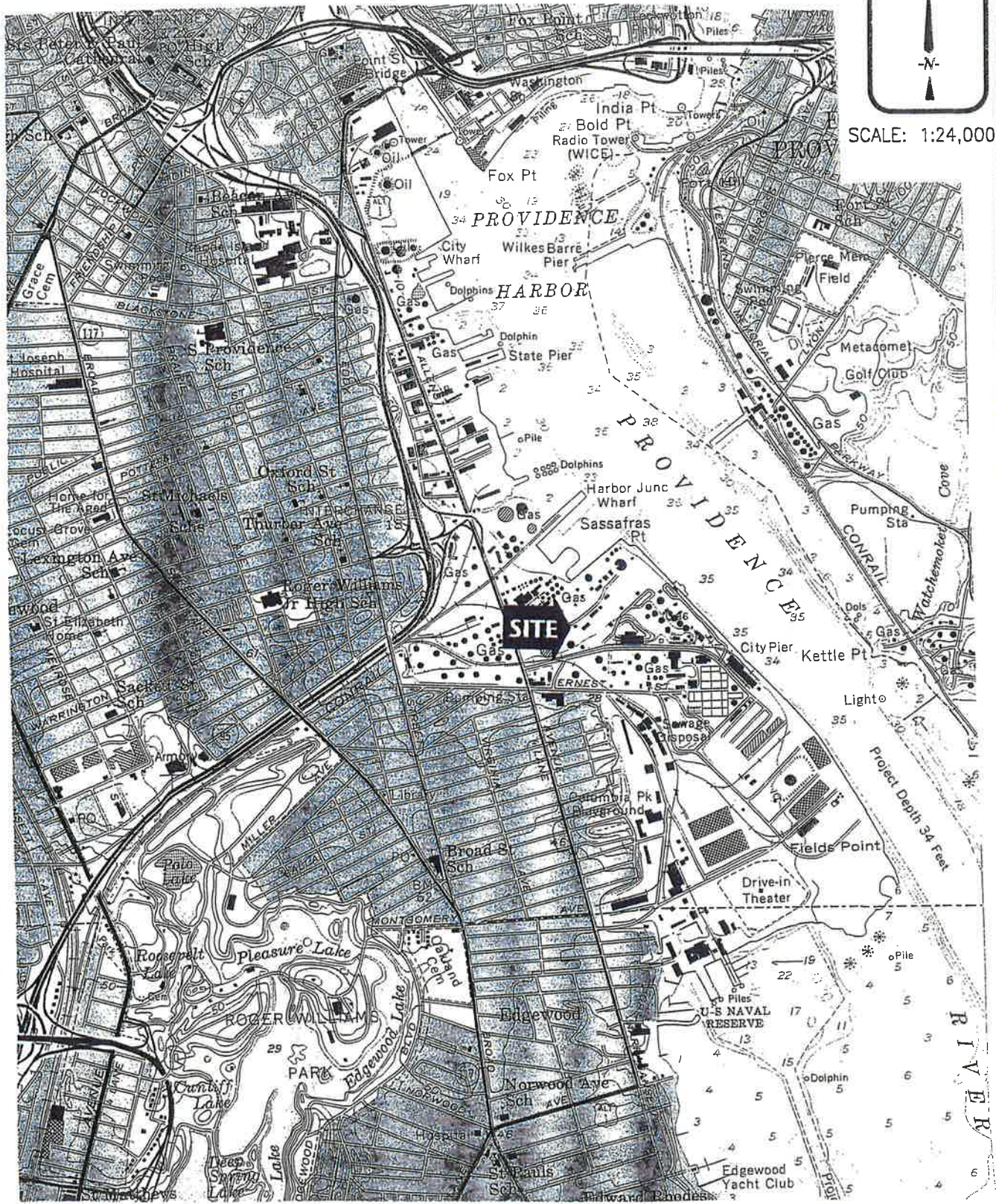
PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
 REMEDY AND VERIFICATION SAMPLES
 PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
13
 FILE
 P15100010B13

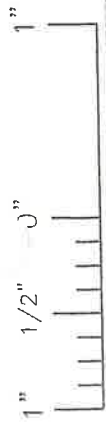


FIGURES





SCALE: 1:24,000



Source: USGS Map of the Providence, Rhode Island Quadrangle.

DATE 8/24/99
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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
SITE LOCATION PLAN

FIGURE NO.
1
 FILE
 P15100010F1

NOTES:

1. Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
2. Borings 6 and 7 eliminated due to inaccessibility.
3. Borings 10, 11 and 12 eliminated due to utilities.
4. Boring 5 changed to well point in place of boring 10.
5. Boring 15 eliminated - inaccessible - sump area.
6. Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗15 Borings eliminated (See notes 2, 3, 5 & 6)

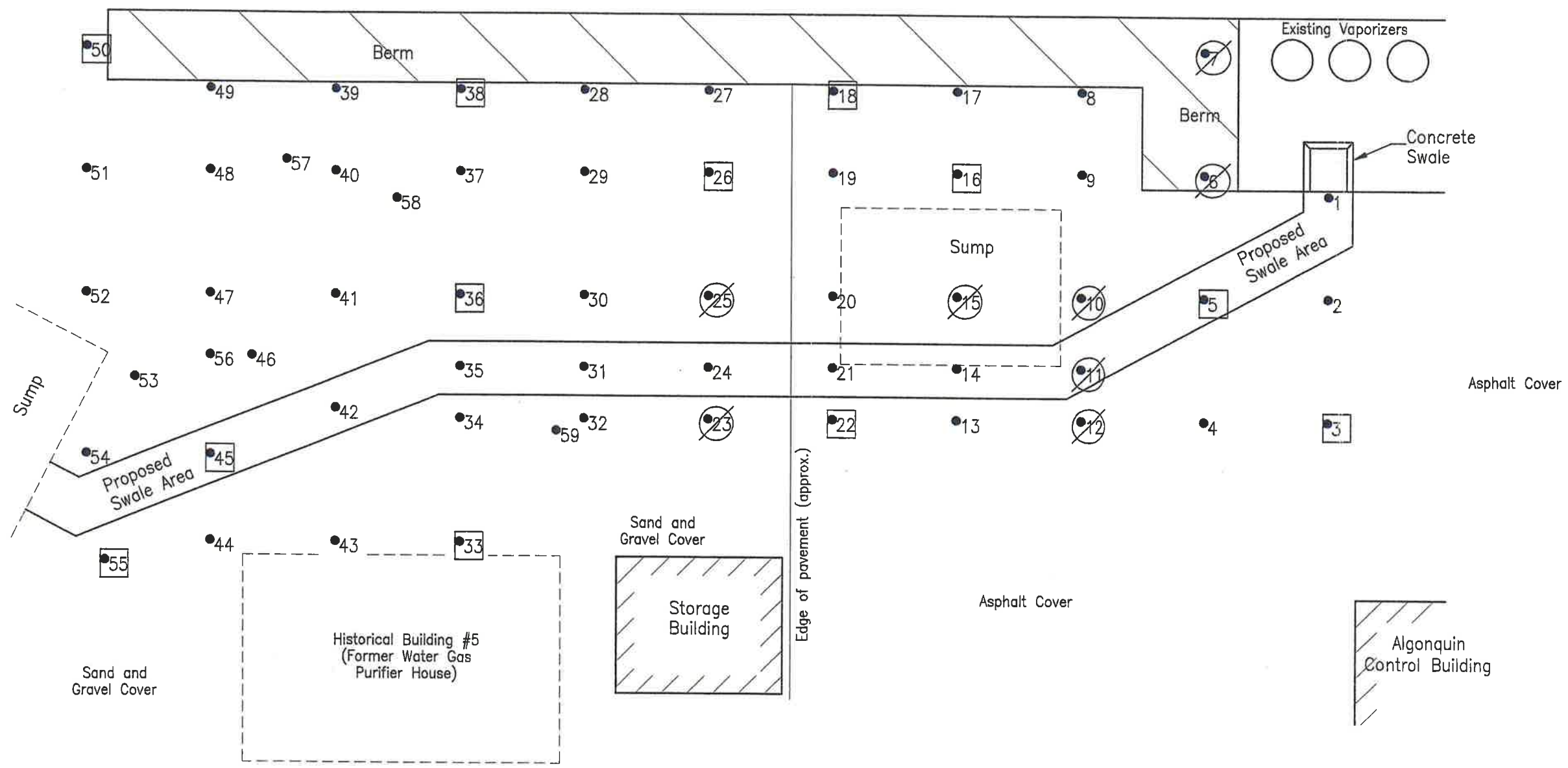


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| DATE | 9/24/99 |
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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
SUBSURFACE INVESTIGATION
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
2
 FILE
 P15100010B2



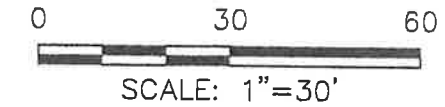
SITE PLAN

NOTES:

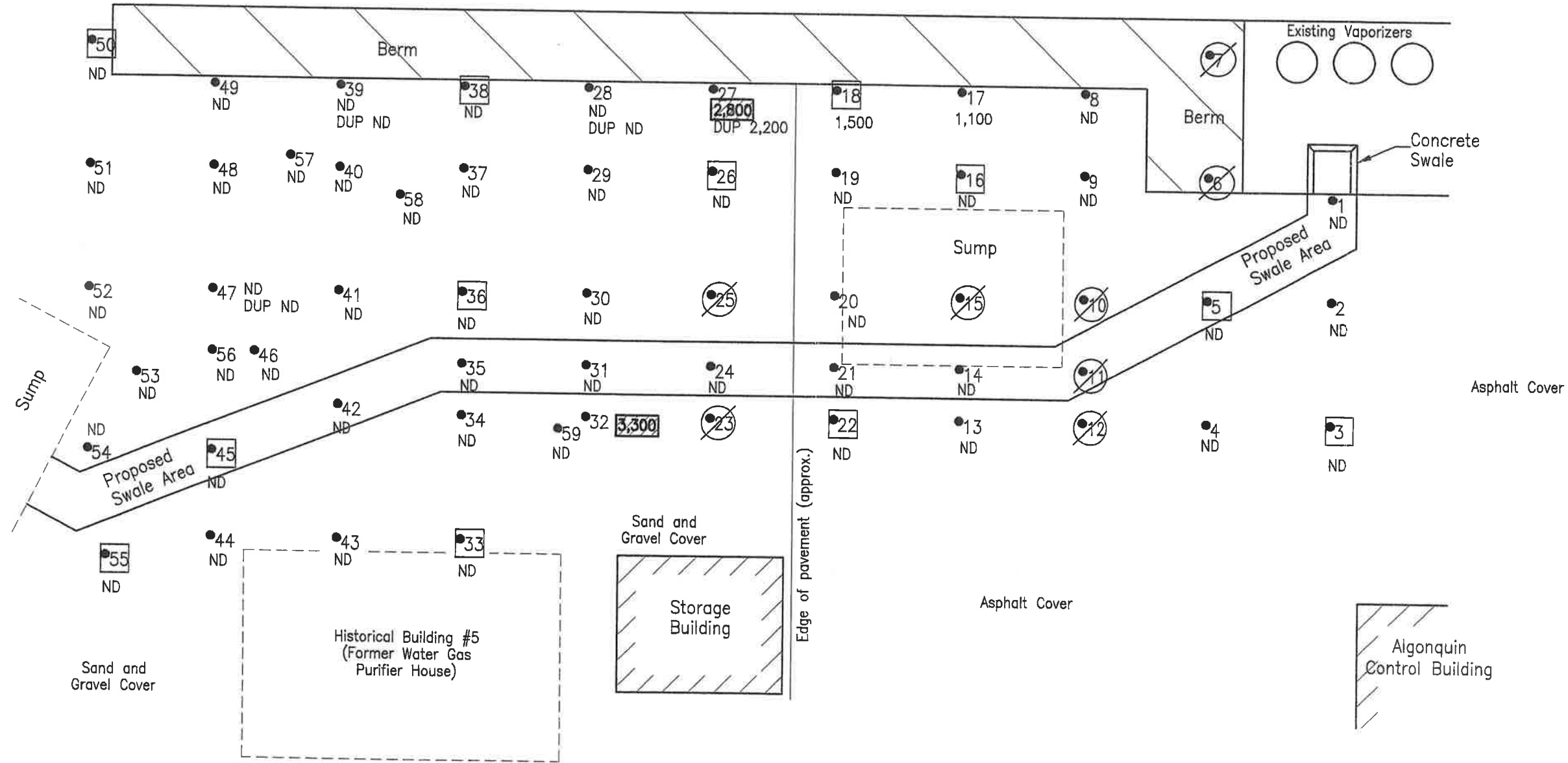
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.
- RIDEM Direct Exposure Limit for TPH 2500 ppm

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗15 Borings eliminated (See notes 2, 3, 5 & 6)
- ND Not detected above Method Detection Limit
- DUP Duplicate Sample Result
- ▨ Exceedance of Remedial Action Work Plan Objective



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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
TPH SURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
3
 FILE
 P15100010B3

NOTES:

1. Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
2. Borings 6 and 7 eliminated due to inaccessibility.
3. Borings 10, 11 and 12 eliminated due to utilities.
4. Boring 5 changed to well point in place of boring 10.
5. Boring 15 eliminated - inaccessible - sump area.
6. Borings 23 and 25 eliminated due to multiple refusals.
7. Remedial Action Work Plan Objective 30,000 ppm

LEGEND

- Boring location
- ☐18 Borings with temporary 1" well points
- ⊘15 Borings eliminated (See notes 2, 3, 5 & 6)
- ND Not detected above Method Detection Limit
- DUP Duplicate Sample Result
- ▨ Exceedance of Objective
- EX Extra sample taken (#37 only)

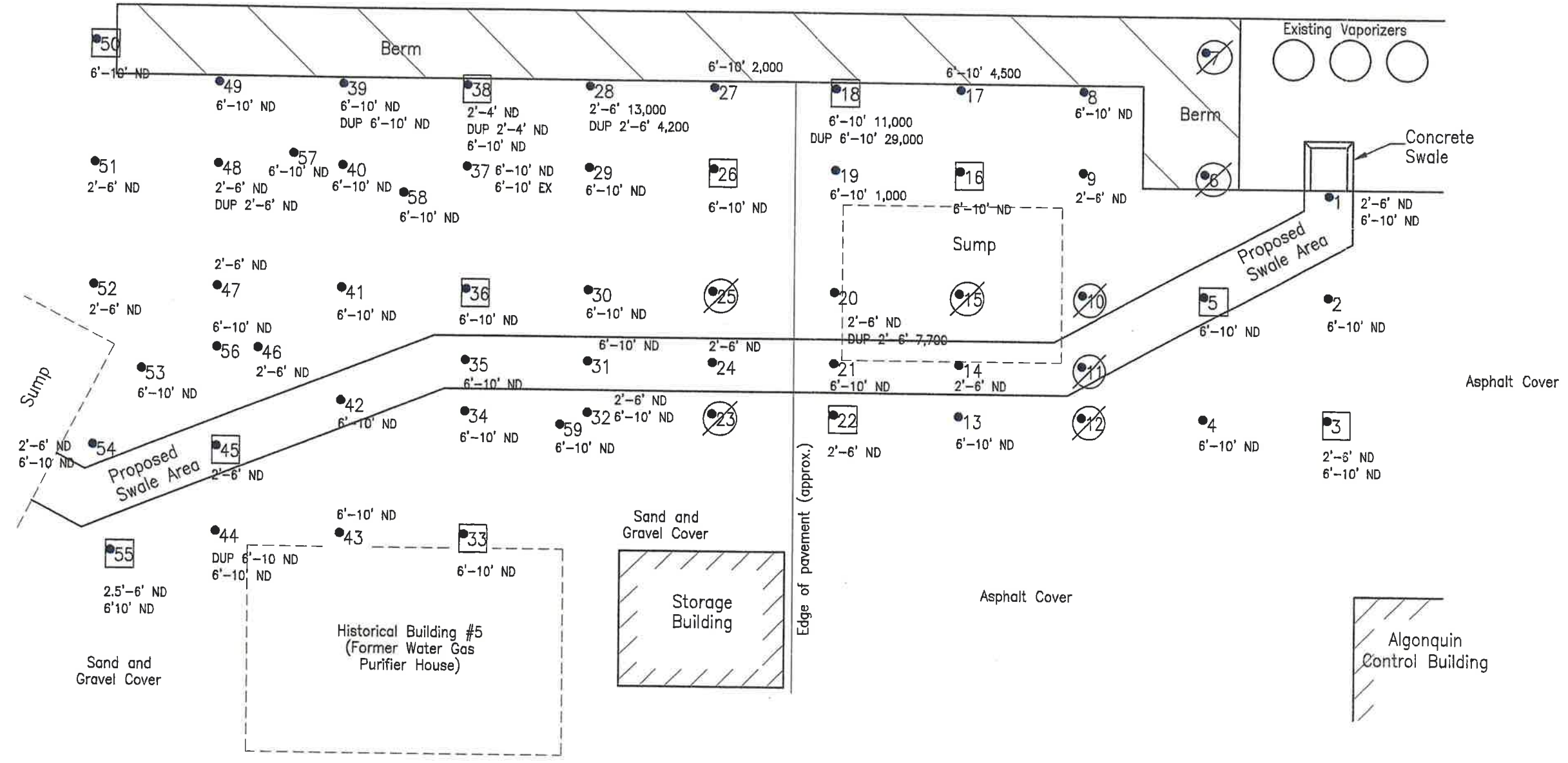


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|------|---------|
| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
TPH SUBSURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO. **4**
 FILE P15100010B4



TPH SUBSURFACE (2'-10')
 mg/kg or ppm

NOTES:

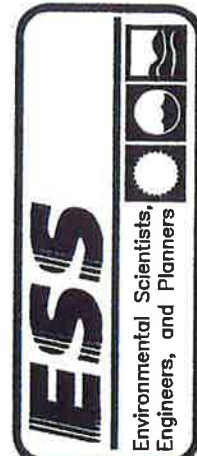
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊘ 15 Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Direct Exposure Criteria in absence of Work Plan Objectives
- NA Not Analyzed - Not enough sample received at laboratory
- DUP Duplicate sample results

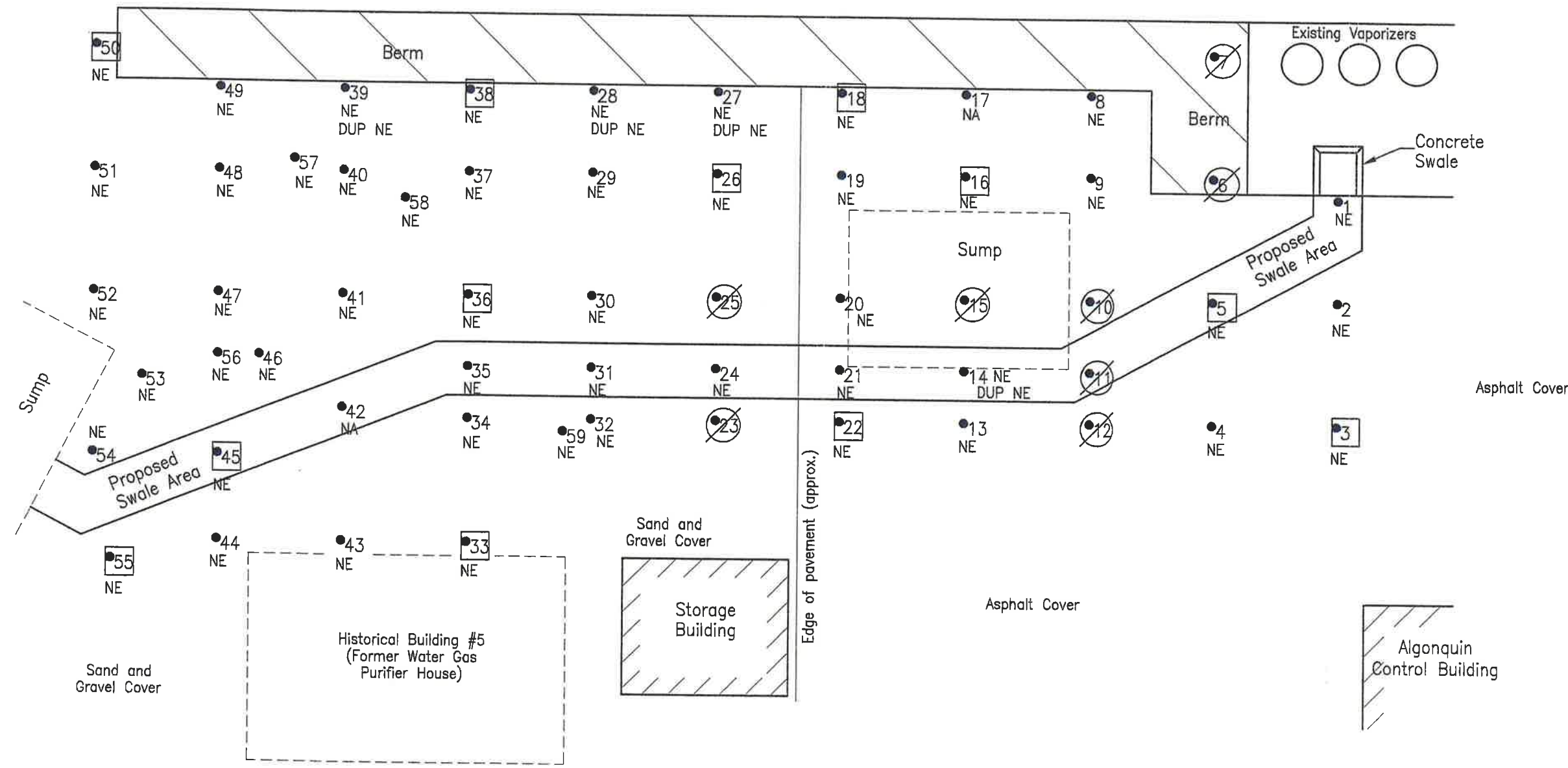


| | |
|------|---------|
| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
VOC SURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO. **5**
 FILE
 P15100010B5



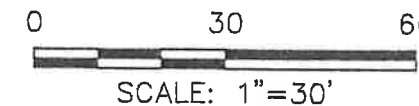
VOC SURFACE (0'-2')
 µg/kg or ppb

NOTES:

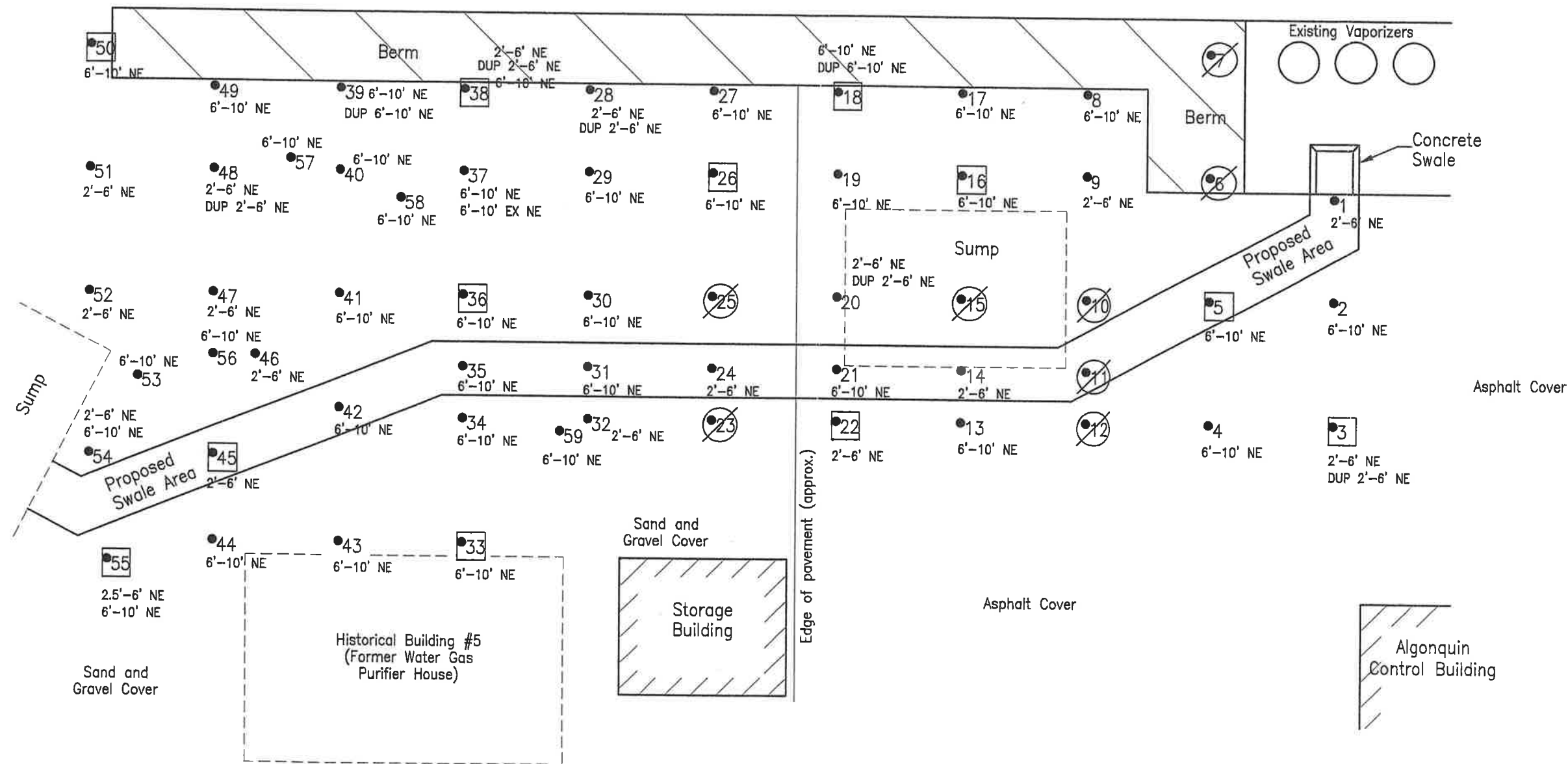
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗ 15 Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Work Plan Objectives
- DUP Duplicate sample result
- EX Extra sample taken (#37 only)



| | |
|------|---------|
| DATE | 9/24/99 |
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VOC SUBSURFACE (2'-10')
 µg/kg or ppb

PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
**VOC SUBSURFACE CONCENTRATIONS
 PROPOSED ALGONQUIN GENERATOR AREA**

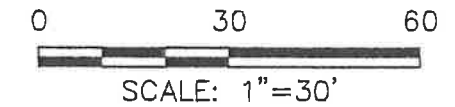
FIGURE NO.
6
 FILE
 P15100010B6

NOTES:

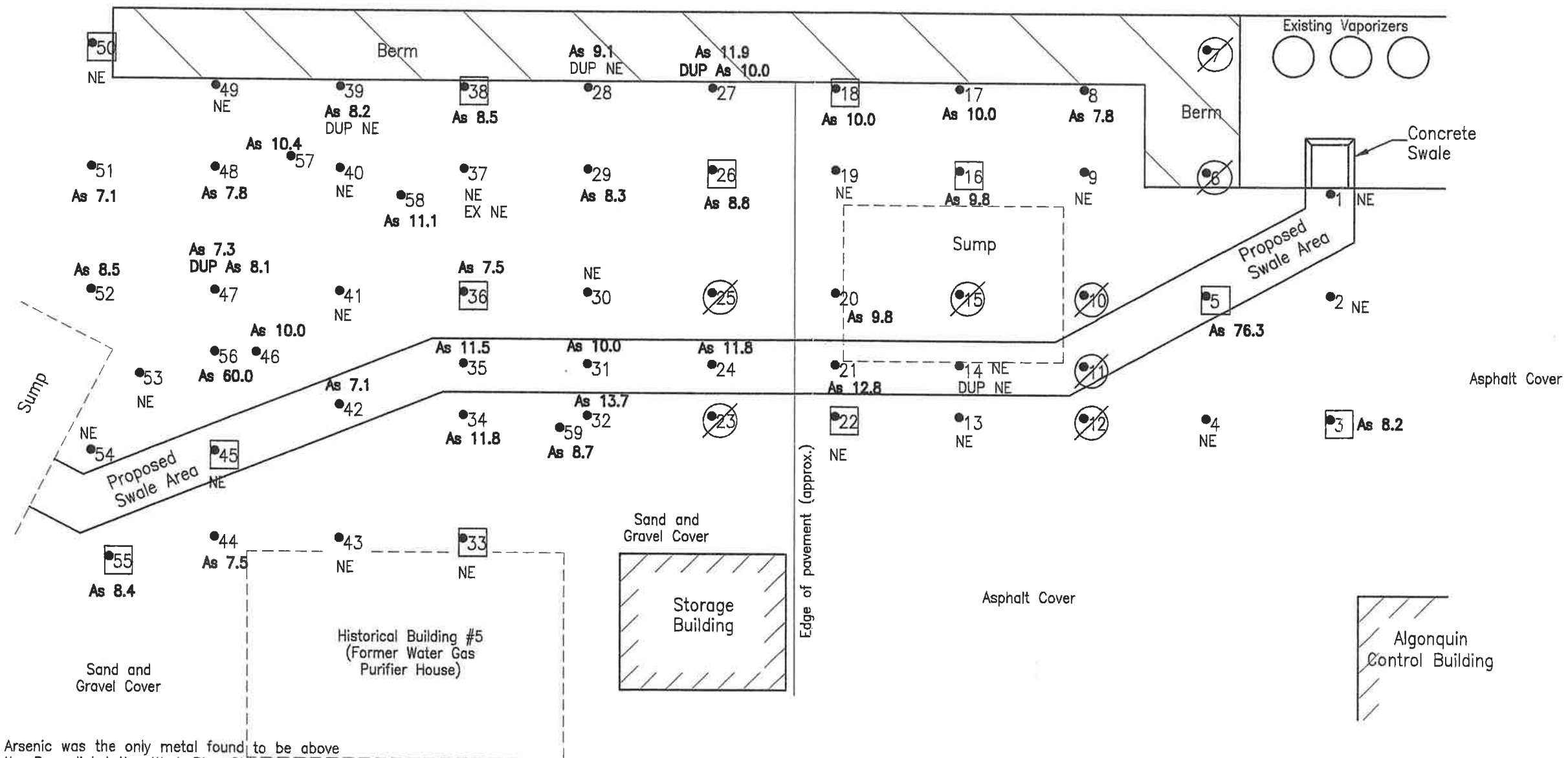
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- ☐18 Borings with temporary 1" well points
- ⊗15 Borings eliminated (See notes 2, 3, 5 & 6)
- As Arsenic (ppm)
- NE No exceedance of Remedial Action Work Plan Objectives
- DUP Duplicate sample result
- EX Extra sample taken (#37 only)



| | |
|------|---------|
| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



* Arsenic was the only metal found to be above the Remedial Action Work Plan Objective.

METALS SURFACE (0'-2')
mg/kg or ppm

PROVIDENCE GAS COMPANY
ALLENS AVENUE
PROVIDENCE, RHODE ISLAND
METALS SURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

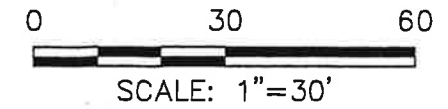
FIGURE NO.
7
FILE
P15100010B7

NOTES:

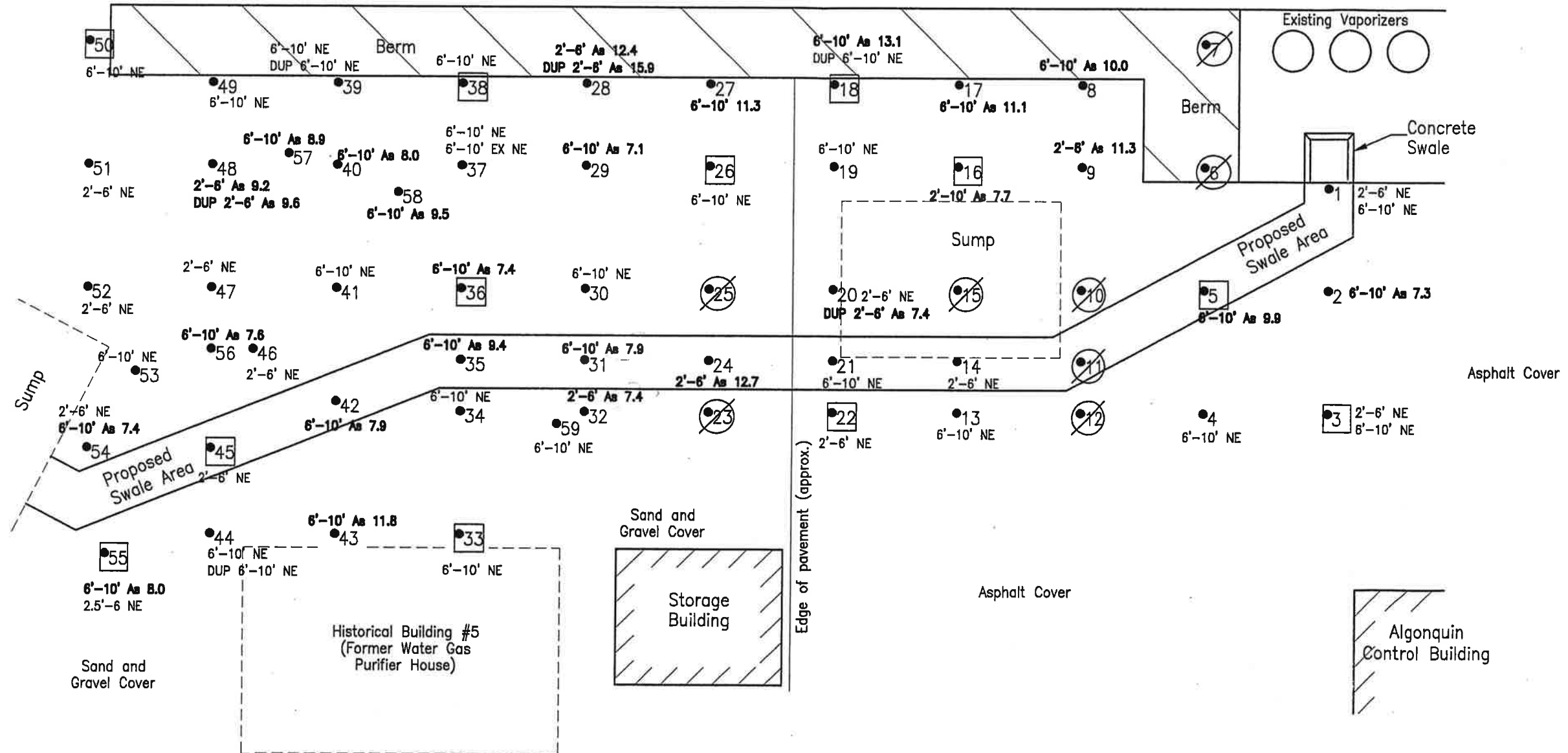
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗ 15 Borings eliminated (See notes 2, 3, 5 & 6)
- As Arsenic (ppm)
- NE No exceedance of Remedial Action Work Plan Objectives as compared to Surface Soil Objectives (RIDEM does not have Leachability Criteria for Arsenic)
- DUP Duplicate sample result



| | |
|------|---------|
| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



METALS SUBSURFACE (2'-10')
mg/kg or ppm

PROVIDENCE GAS COMPANY
ALLENS AVENUE
PROVIDENCE, RHODE ISLAND
METALS SUBSURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

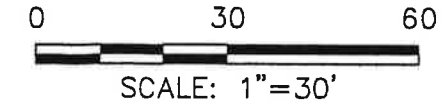
FIGURE NO.
8
FILE
P1510001088

NOTES:

1. Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
2. Borings 6 and 7 eliminated due to inaccessibility.
3. Borings 10, 11 and 12 eliminated due to utilities.
4. Boring 5 changed to well point in place of boring 10.
5. Boring 15 eliminated - inaccessible - sump area.
6. Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- ◻ Boring with temporary 1" well points
- ⊘ Boring eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Remedial Action Work Plan Objectives
- DUP Duplicate sample result

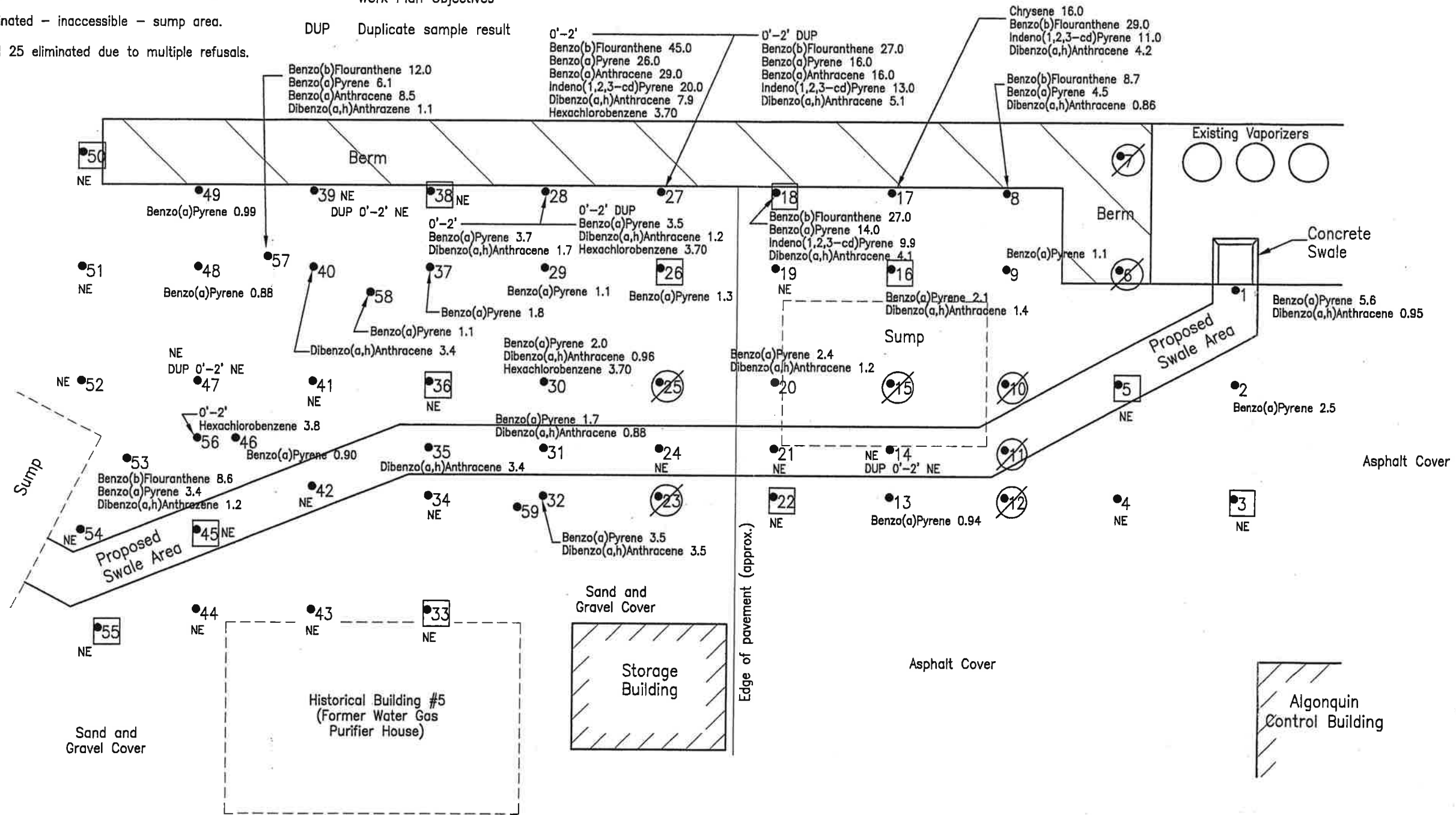


| | |
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| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
SVOC SURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO. **9**
 FILE
 P1510001089



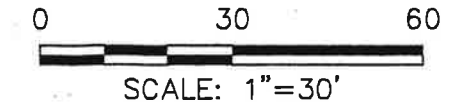
SVOC SURFACE (0'-2')
 mg/kg or ppm

NOTES:

- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗15 Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Remedial Action Work Plan Objectives
- DUP Duplicate sample result
- EX Extra sample taken (#37 only)

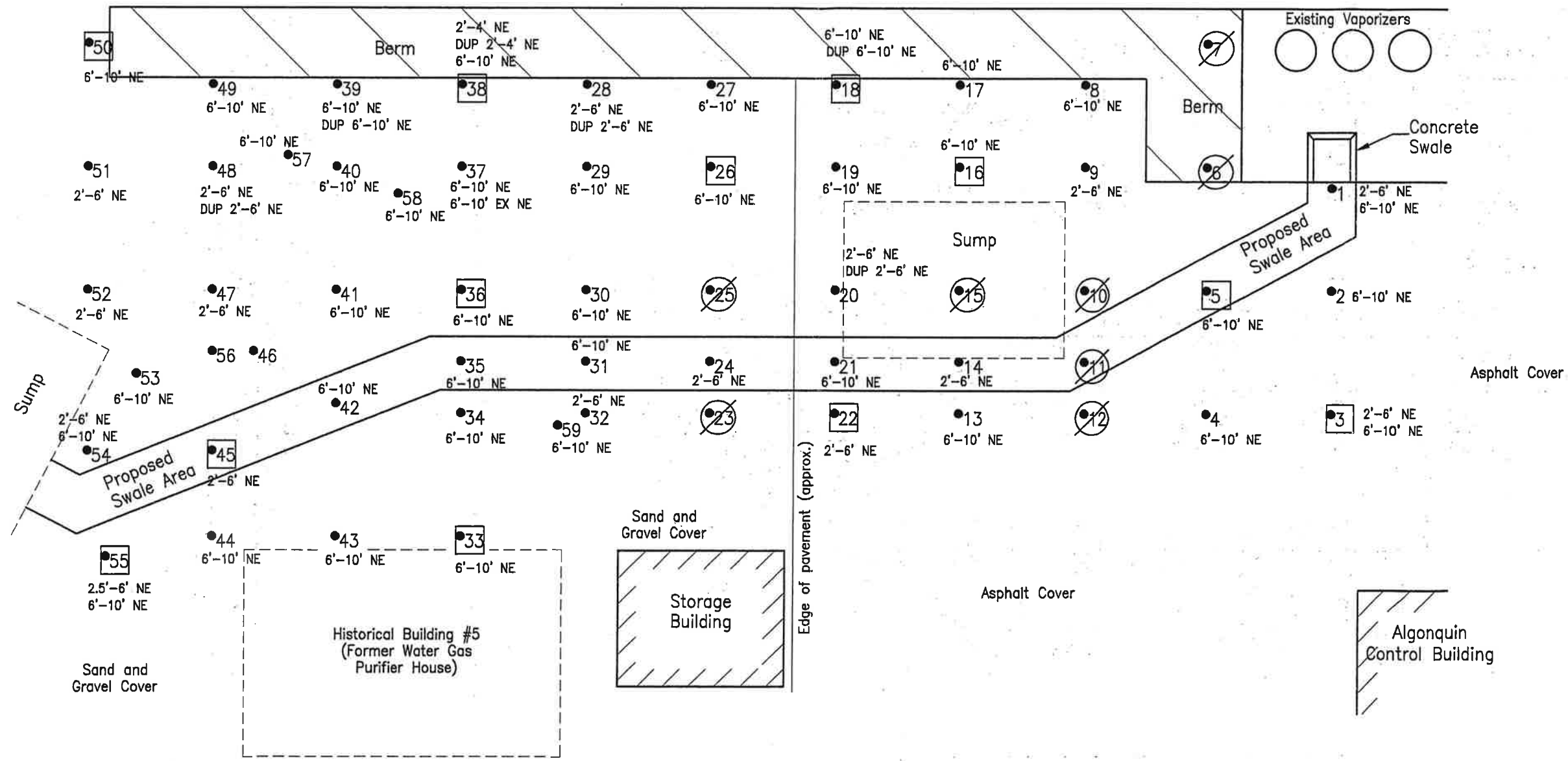


| | |
|------|---------|
| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
SVOC SUBSURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
10
 FILE
 P15100010B10



* No locations exceeded the Remedial Action Work Plan or RIDEM Leachability Criteria.

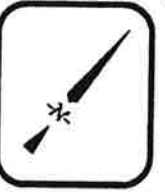
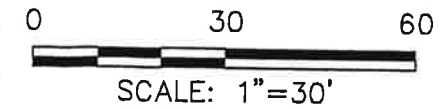
SVOC SUBSURFACE (2'-10')
mg/kg or ppm

NOTES:

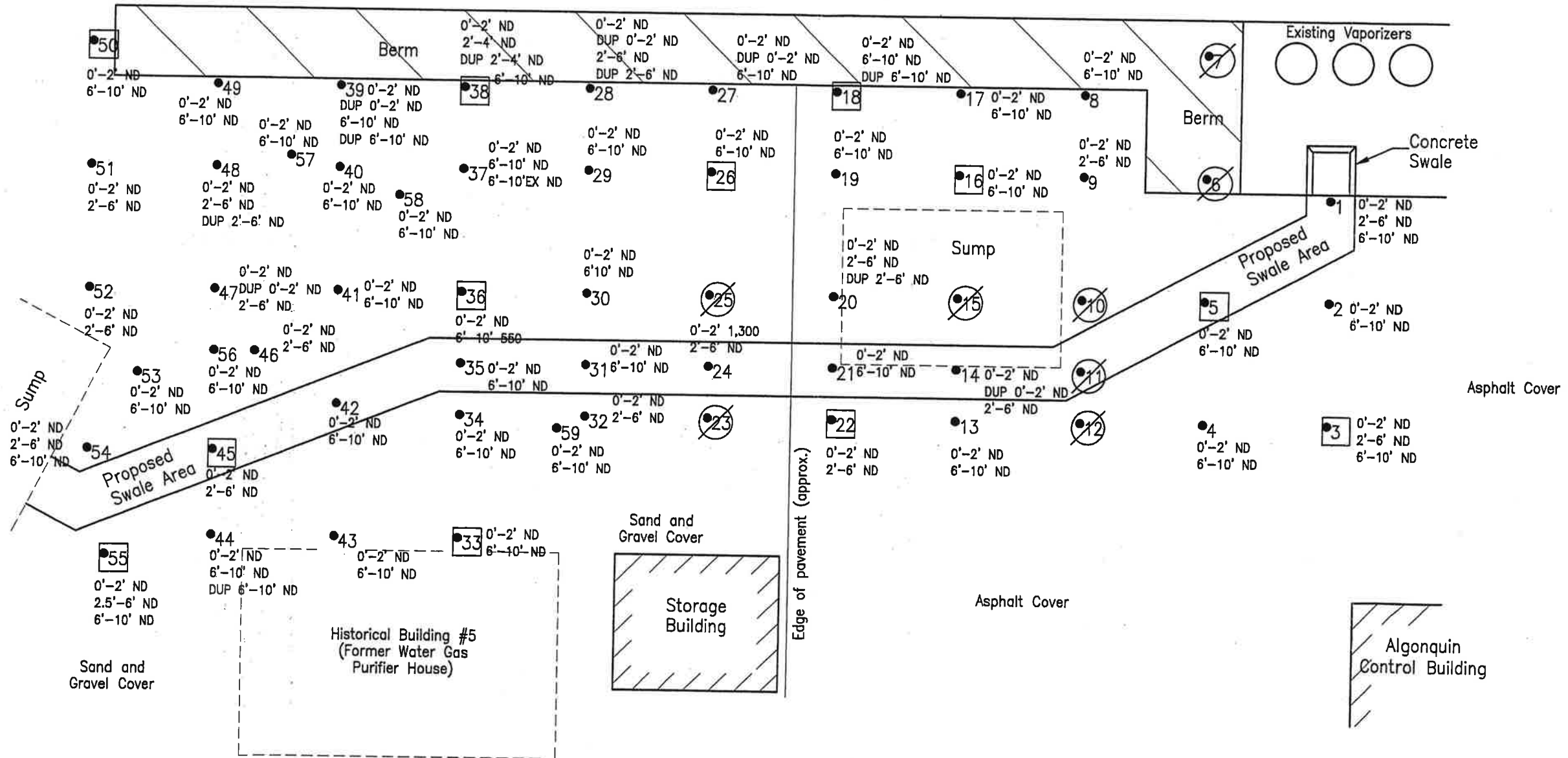
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.
- Surface and subsurface Remedial Action Work Plan Objective 10,000 ppb ($\mu\text{g}/\text{kg}$).

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- 15 Borings eliminated (See notes 2, 3, 5 & 6)
- ND Not detected above Method Detection Limit
- DUP Duplicate sample result
- EX Extra sample taken (#37 only)



| | |
|------|---------|
| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
| REV | |



* No locations exceeded the Remedial Action Work Plan Objectives or the RIDEM Direct Exposure or Leachability Criteria.

PCB SURFACE (0'-2') AND SUBSURFACE (2'-10')
 $\mu\text{g}/\text{kg}$ or ppb

PROVIDENCE GAS COMPANY
ALLENS AVENUE
PROVIDENCE, RHODE ISLAND
PCB SURFACE AND SUBSURFACE CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

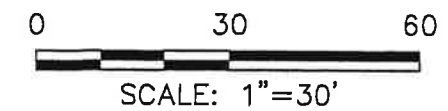
FIGURE NO.
11
FILE
P15100010B11

NOTES:

1. Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
2. Borings 6 and 7 eliminated due to inaccessibility.
3. Borings 10, 11 and 12 eliminated due to utilities.
4. Boring 5 changed to well point in place of boring 10.
5. Boring 15 eliminated - inaccessible - sump area.
6. Borings 23 and 25 eliminated due to multiple refusals.
7. TPH analysis only for 16, 18 and 38.

LEGEND

- Boring location
- ☐18 Borings with temporary 1" well points
- ⊘15 Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Work Plan Objectives
- DUP Duplicate sample result

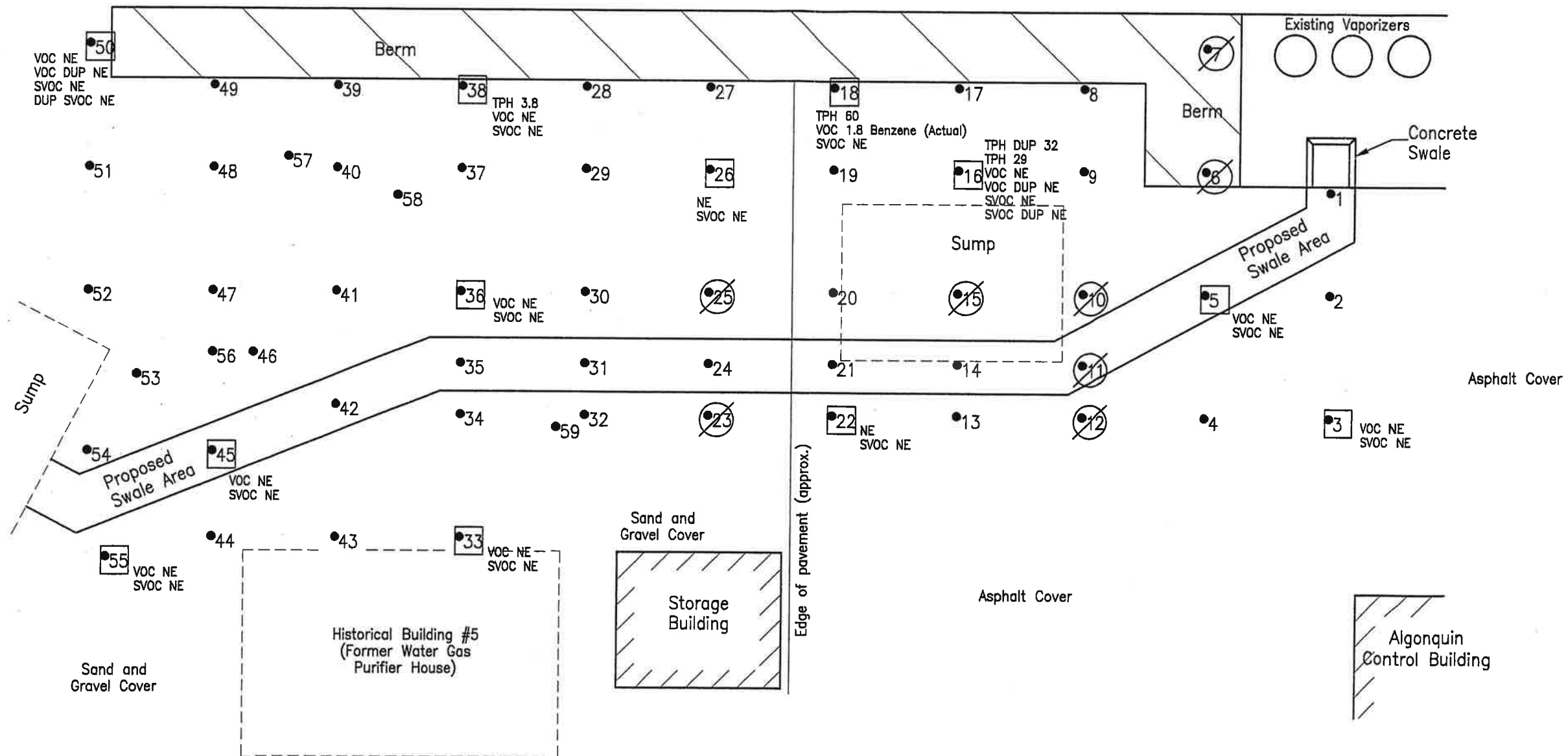


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| DATE | 9/24/99 |
| DWN | RDD |
| APP | |
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PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
TPH, VOC & SVOC GROUNDWATER CONCENTRATIONS
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
12
 FILE
 P15100010B12



* Constituents shown are exceedances of Surface Remedial Action Work Plan Objectives or RIDEM Leachability Criteria.

TPH, VOC AND SVOC - GROUNDWATER
 mg/l

NOTES:

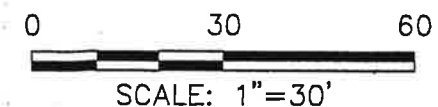
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- 18 Borings with temporary 1" well points
- ⊗15 Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Work Plan Objectives
- DUP Duplicate sample result
- ▨ Area of 1 foot Excavation and Backfill
- ▩ Area of 2 foot Fill

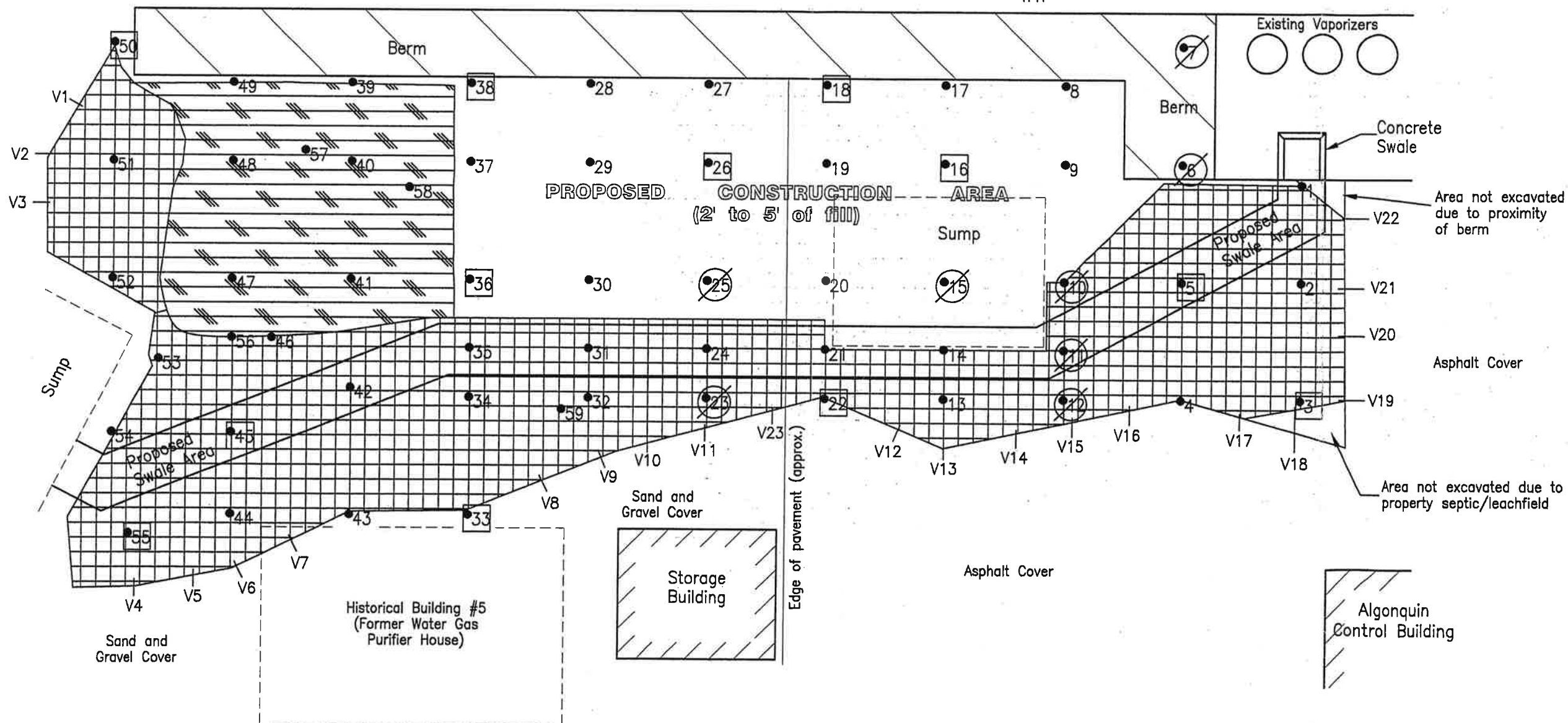
VERIFICATION SAMPLE ANALYSIS PERFORMED

| | |
|-------------|--------------|
| V1 ARSENIC* | V11 ARSENIC* |
| V2 ARSENIC | V12 SVOC |
| V3 ARSENIC | V13 SVOC |
| V4 ARSENIC | V14 SVOC |
| V5 ARSENIC | V15 SVOC |
| V6 ARSENIC | V16 SVOC |
| V7 ARSENIC* | V17 ARSENIC |
| V8 ARSENIC | V18 ARSENIC |
| SVOC | V19 ARSENIC |
| TPH | V20 ARSENIC* |
| V9 ARSENIC* | SVOC |
| SVOC | V21 SVOC |
| TPH | V22 SVOC |
| V10 ARSENIC | V23 ARSENIC* |
| SVOC* | |
| TPH | |



| | | |
|--------------|-----|-----|
| DATE 9/24/99 | DWN | RDD |
| | APP | REV |

* Locations that exceeded Remedial Action Work Plan Objectives



REMEDIAL ALTERNATIVES AND SAMPLING LOCATIONS



PROVIDENCE GAS COMPANY
 ALLENS AVENUE
 PROVIDENCE, RHODE ISLAND
REMEDY AND VERIFICATION SAMPLES
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
13
 FILE
 P15100010B13

ProvGas

A ProvEnergy Company

December 6, 1999



Joseph T. Martella II
Senior Engineer
Office of Waste Management
Rhode Island Department of Environmental Management
235 Promenade Street
Providence, RI 02903

RE: Final Grading of West Compressor Area
Providence Gas Company
642 Allens Avenue, Providence

Dear Mr. Martella:

Providence Gas Company and Algonquin LNG (Duke Energy) are proposing an alternative approach to the final grading of the West Compressor Area that was stipulated in the 21 October 1999 submission from Environmental Science Services titled *Subsurface Investigation and Proposed Remediation / Algonquin Generator Construction Area*. Specifically, we would like to propose the following final grading in lieu of the solution proposed in the Remediation Alternative Section on Page 4:

Lower Area:

Approximately two inches of asphalt or gravel (depending on the location) were removed from this area along with a minimum of one foot of soil. A minimum of one foot of clean backfill was installed. For final grading/capping of this area, we propose to:

- Excavate 10 inches of recently installed clean backfill (leaving a minimum of 2 inches clean backfill)
- Install 6 inches of clean granular base course
- Install two 2-inch lifts of asphalt

This solution maintains the minimum one foot of cover, including the asphalt cap, for this area.

Elevated Area and Berm:

The elevation of this area is in the process of being raised with clean backfill from approximately 9 feet to approximately 14 feet, tapering back down to 9 feet on the western side. The final soil elevations are indicated on the attached diagram. In addition to the approximately four feet of backfill that is being added to this area (with the exception of the west side which is tapered down to nine feet), we propose to:

NOTES:

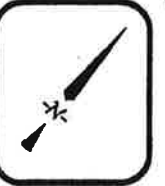
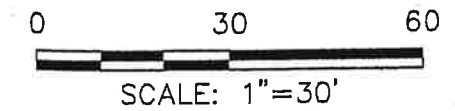
- Borings 8, 17, 18, 27, 28, 38 and 49 were moved 10' south (bottom of berm). Equipment unable to drill at original locations.
- Borings 6 and 7 eliminated due to inaccessibility.
- Borings 10, 11 and 12 eliminated due to utilities.
- Boring 5 changed to well point in place of boring 10.
- Boring 15 eliminated - inaccessible - sump area.
- Borings 23 and 25 eliminated due to multiple refusals.

LEGEND

- Boring location
- ◻18 Borings with temporary 1" well points
- ⊗ Borings eliminated (See notes 2, 3, 5 & 6)
- NE No exceedance of Remedial Action Work Plan Objectives or RIDEM Leachability Criteria in absence of Work Plan Objectives
- DUP Duplicate sample result
- ▨ Area of 1 foot Excavation and Backfill
- ▩ Area of 2 foot Fill

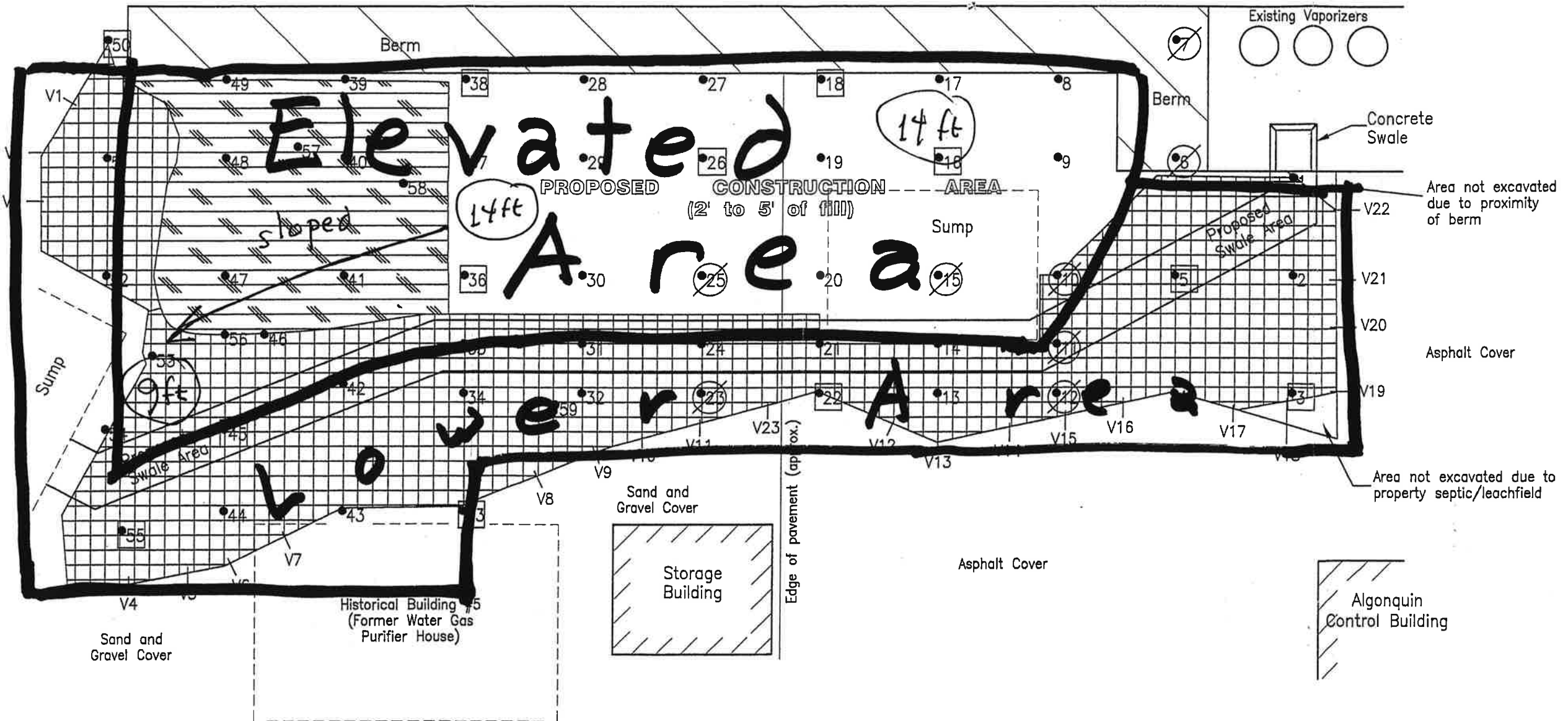
VERIFICATION SAMPLE ANALYSIS PERFORMED

| | |
|-------------|--------------|
| V1 ARSENIC* | V11 ARSENIC* |
| V2 ARSENIC | V12 SVOC |
| V3 ARSENIC | V13 SVOC |
| V4 ARSENIC | V14 SVOC |
| V5 ARSENIC | V15 SVOC |
| V6 ARSENIC | V16 SVOC |
| V7 ARSENIC* | V17 ARSENIC |
| V8 ARSENIC | V18 ARSENIC |
| SVOC | V19 ARSENIC |
| TPH | V20 ARSENIC* |
| V9 ARSENIC* | SVOC |
| SVOC | V21 SVOC |
| TPH | V22 SVOC |
| V10 ARSENIC | V23 ARSENIC* |
| SVOC* | |
| TPH | |



| | | | |
|---------------|----------|------|------|
| DATE: 9/24/99 | DWN: RDD | APP: | REV: |
|---------------|----------|------|------|

* Locations that exceed Remedial Action Work Plan Objectives



REMEDIAL ALTERNATIVES AND SAMPLING LOCATIONS



PROVIDENCE GAS COMPANY
ALLENS AVENUE
PROVIDENCE, RHODE ISLAND
REMEDY AND VERIFICATION SAMPLES
PROPOSED ALGONQUIN GENERATOR AREA

FIGURE NO.
13
FILE
P15100010B13



ATTACHMENT A

Boring Logs





272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S1

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Gary Kaufman / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 12, 1999 Time: 9:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (In Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | ND | 2 | | brown/light brown F/M sand and gravel; no odor |
| 2-6 | 38/48 | N/A | ND | 4 | | brown fine sand |
| 6-10 | 48/48 | N/A | 2,000+ | 8 | | 6" brown fine sand 3" black fine sand to brown fine sand for rest of interval |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Samples taken of black and brown soil above water table.
 No samples taken below 7 feet.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S2

Job No: P151-000.10

Drilling Co.: Environmental Drilling, inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: 1"

Logged By: Gary Kaufman / Erk Johnstone

Sample Method: 4' Sampler

Water Level: 9'

Date: July 12, 1999 Time: 9:20

Boring Depth: 12'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | 165 | 2 | | brown F/M sand and gravel; no odor |
| 2-6 | 30/48 | N/A | 380 | 4 | | brown/black fine sand; trace stone brown fine sand to medium fine sand; trace stone |
| 6-10 | 48/48 | N/A | 702 | 8 | | brown medium sand with little stone brown/gray medium sand with stone to moist /wet brown to gray medium sand; some stone |
| 10-12 | 42/48 | N/A | ND | 12 | | wet gray medium sand; some stone |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S3

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 12, 1999 Time: 9:50

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|-----------------|----------|---|
| 0-2 | 24/24 | N/A | NR | 2 | | brown F/M sand and gravel; bottom 5" dark brown F/M sand and gravel; no odor |
| 2-6 | 42/48 | N/A | ND | 4 | | 3" black F/M sand at 2' brown F/M sand for the rest of the interval |
| 6-10 | 48/48 | N/A | 1.3 | 8 | | F/M brown sand with some silt mixed layer with some brick below water table |
| | | N/A | | 12 | | |

Comments

0'-2' headdress not recorded (NR).
 Sample collected above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S4

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A




Logged By: Gary Kaufman / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 8'

Date: July 12, 1999 Time: 10:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|--|--|
| 0-2 | 24/24 | N/A | ND | 2 |  | brown F/M sand and gravel darkbrown/black F/M sand and gravel (16"-18") fine gray sand; slight odor (18" - 21") fine light brown sand/silt (21"-24"); no odor |
| 2-6 | 36/48 | N/A | ND | 4 |  | light brown fine sand |
| 6-10 | 46/48 | N/A | ND | 8 |  | light brown fine sand to gray M/C sand with stone wet fine sand (6.5' to 7.5') 7.5'-8' dry brown/gray M/F sand 8'-10' wet M/F sand |
| | | | | 10 | | |
| | | | | 12 | | |

Comments

Perched water at 6.5' to 7.5'.
 Took samples from below perched water and above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S5

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: 1"

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 9'

Date: July 12, 1999 Time: 10:50

Boring Depth: 14'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | ND | 2 | | brown F/M sand and gravel reddish brown fine sand and silt (13" - 17") light brown F/M sand (17"-18") reddish fine sand/silt (18"-21") light brown F/M sand; some gravel (21"-24") |
| 2-6 | 36/48 | N/A | ND | 4 | | light gray F/M sand with some debris (concrete) brown F/M sand with some rock light gray medium sand with some rock layer of gray, brown, and green F/M sand with mixed debris |
| 6-10 | 46/48 | N/A | ND | 8 | | layer of rock and brick debris silty sand C/M brown sand rock and brick debris with silty sand |
| 10-12 | 48/48 | N/A | ND | 10 | | wet rock with coarse sand and some fine sand |

Comments

Sample taken at above water table.
 Boring to 14' for well installation.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S6

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: N/A

Date: July 12, 1999 Time: 11:10

Boring Depth: N/A

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed . See comment section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location not accessible.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S7

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: N/A

Date: July 12, 1999 Time: 11:30

Boring Depth: N/A

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed . See comment section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location not accessible.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S8

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 1:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 18/24 | N/A | NR | 2 | | 0"-3" asphalt 3"-9" brown F/M sand with some gravel 9"-18" dark brown F/M sand and gravel; wood chips; odor; some brick fill |
| 2-6 | 42/48 | N/A | ND | 4 | | brown silty sand with mixed rock |
| | | N/A | | 6 | | brown silty sand with some brick debris |
| 6-10 | 48/48 | N/A | ND | 8 | | dark brown/black F/M sand with some silt |
| | | N/A | | 10 | | wet F/M brown silty sand |
| | | N/A | | 12 | | |

Comments

0'-2' headdress not recorded (NR).
 Sample taken from above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S9

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Gary Kaufman / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 1:15

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | 1090 | 0-2 | | 0"-3" asphalt 3"-9" brown F/M sand and gravel 9"-12" dark brown/black F/M sand; some gravel. 12"-24" light brown fine sand |
| 2-6 | 24/48 | N/A | ND | 2-6 | | brown/gray fine sand to moist brown/gray fine sand |
| 6-10 | 36/48 | N/A | ND | 6-10 | | moist brown/gray fine sand wet brown/gray fine sand |
| | | N/A | | 10-12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S10

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: N/A

Date: July 12, 1999 Time: 2:35

Boring Depth: N/A

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed . See comment section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location eliminated due to underground utility.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S11

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: N/A

Date: July 12, 1999 Time: 2:40

Boring Depth: N/A

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed. See comments section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location eliminated due to underground utility.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S12

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: N/A

Date: July 12, 1999 Time: 2:50

Boring Depth: N/A

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed. See comments section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location eliminated due to underground utility.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S13

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 10:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 20/24 | N/A | 165 | 2 | | 3" asphalt and gravel 17" F/M brown sand and gravel; some cinders; no odor |
| 2-6 | 48/48 | N/A | ND | 4 | | F/M black silty sand F/M brown silty sand brown fine sand to medium fine sand; trace stone |
| 6-10 | 48/48 | N/A | 3.5 | 8 | | F/M brown silty sand F/M golden sand wet F/M brown/gray silty sand |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Sample taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S14

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 5'

Date: July 13, 1999 Time: 10:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | 0.8 | 0-2 | | 3" asphalt and gravel 16" F/M brown sand and gravel; no odor 5" light brown fine sand/silt; no odor |
| 2-6 | 45/48 | N/A | ND | 2-6 | | F/M gray silty sand F/M brown silty sand F/M brown silty sand |
| 6-10 | 48/48 | N/A | ND | 6-10 | | wet F/M brown silty sand wet C/M brown/gray sand and stone |
| | | N/A | | 10-12 | | |

Comments

Sample collected from above water table.
 Duplicate sample collected for (0-2) interval.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S15

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Water Level: N/A

Boring Depth: N/A

Drill Method: GeoProbe

Sample Method: 4' Sampler

Date: July 13, 1999 Time: 11:20

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed . See comment section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location eliminated due to location in sump pit.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S16

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: 1"

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 12, 1999 Time: 1:50

Boring Depth: 14'

Logged By: Sean Driscoll / Erik Johnstone

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|-----------------|----------|--|
| 0-2 | 20/24 | N/A | 17.7 | 2 | | 0"-4" asphalt and gravel 4"-10" brown F/M sand; some gravel 10"-12" black F/M sand; some gravel; burnt odor 12"-16" dark brown F/M sand; some gravel; burnt odor 16"-20" brown F/M sand; some gravel |
| 2-6 | 48/48 | N/A | 4.8 | 4 | | F/M brown sand with some silt F/M light brown sand with some silt |
| 6-10 | 48/48 | N/A | ND | 8 | | F/M gray/brown sand and silt F/M black sand and silt wet F/M black sand and silt |
| 10-12 | 48/48 | N/A | 8.7 | 12 | | |

Comments

Oil sheen in groundwater.
 No product detected by meter; product visible in groundwater samples; TPH sample taken.
 Duplicate groundwater samples taken at 3:35.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S17

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 1:35

Boring Depth: 10'

Logged By: Sean Driscoll / Erik Johnstone

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 20/24 | N/A | 28.5 | 2 | | 0"-4" gray asphalt 4"-20" F/M brown sand; some gravel; dark brown/black brick bottom; strong odor |
| 2-6 | 36/48 | N/A | 4.8 | 4 | | black F/M sand gray rock debris light brown F/M sand |
| 6-10 | 48/48 | N/A | 12.2 | 8 | | black F/M sand with some silt wet black F/M sand; some silt |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Petroleum impact in all intervals.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S18

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A



Logged By: Sean Driscoll

Sample Method: 4" Sampler

Water Level: 7.5'

Date: July 12, 1999 Time: 2:10

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (In Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|--|--|
| 0-2 | 20/24 | N/A | 81.4 | 2 | | 3" asphalt and gravel 17" F/M brown sand and gravel |
| 2-6 | 46/48 | N/A | 18.6 | 4 |  | light gray F/M sand with rock debris dark gray/black F/M sand |
| | | N/A | | 6 | | brown/dark brown F/M sand |
| 6-10 | 42/48 | N/A | 35.6 | 8 |  | black silty sand |
| | | N/A | | 10 | | wet black silty sand |
| | | N/A | | 12 | | |

Comments

Sample taken from above water table.
 Oil sheen in groundwater.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S19

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 12, 1999 Time: 8:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 20/24 | N/A | ND | 2 | | 3" asphalt/gravel 17" F/M brown sand and gravel; no odor |
| 2-6 | 42/48 | N/A | 1.8 | 4 | | C/M black sand and stone debris throughout gray F/M silty sand |
| 6-10 | 48/48 | N/A | 24.6 | 8 | | brown F/M silty sand wet black M/F silty sand (oil sheen) |
| | | N/A | | 12 | | |

Comments

Sample taken from above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S20

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 1:30

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 18/24 | N/A | 0.8 | 0-2 | | 3" asphalt/gravel 15" F/M brown sand and gravel; no odor |
| 2-6 | 48/48 | N/A | ND | 2-6 | | M/C brown sand and stone F/M brown silty sand |
| 6-10 | 6/48 | N/A | ND | 6-10 | | Rock debris with gray F/M sand wet F/M silty sand |
| | | N/A | | 10-12 | | |

Comments

Samples taken from above water table.
 Duplicate samples taken.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S21

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Logged By: Sean Driscoll / Erik Johnstone

Drill Method: GeoProbe

Well Diameter: N/A

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 9:40

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | 1.3 | 0-2 | | 3" asphalt and gravel 21" F/M brown sand and gravel |
| 2-6 | 36/48 | N/A | ND | 2-6 | | 1" black silty sand C/M brown sand F/M silty brown sand |
| | | N/A | | 4-6 | | rock debris C/M brown sand |
| 6-10 | 42/48 | N/A | ND | 6-10 | | F/M gray sand with silt C/M brown sand with rock |
| | | N/A | | 8-10 | | wet F/M brown/black sand with stones and some silt |
| | | N/A | | 10-12 | | |

Comments

Sample taken from above water table.
 Oil sheen in groundwater.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S22

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: 1"

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 6.5'

Date: July 13, 1999 Time: 3:25

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 18/24 | N/A | 17.2 | 2 | | 0'-.25' asphalt .25'-1' brown medium sand; little gray 1'-1.25' black coarse sand; some gray 1.25'- 1.5' brown coarse sand; some gray |
| 2-6 | 40/48 | N/A | ND | 4 | | F/M brown sand with silt; some black discoloration |
| 6-10 | 48/48 | N/A | 0.8 | 10 | | C/M brown and black sand with some silt brick debris |
| | | N/A | | 12 | | |

Comments

Sample collected at 3'.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
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 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S23

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Water Level: N/A

Boring Depth: N/A

Drill Method: GeoProbe

Sample Method: 4' Sampler

Date: July 13, 1999 Time: 10:45

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed. See comments section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location eliminated due to refusal four times at approximately 2; concrete (electrical conduit).

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S24

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A





Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 6.5'

Date: July 13, 1999 Time: 11:10

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|---|
| 0-2 | 20/24 | N/A | 568 | 2 |  | 2" gravel and F/M brown sand 9" dark brown F/M sand and gravel; no odor 9" F/M light brown sand and gravel; no odor |
| 2-6 | 46/48 | N/A | 1.3 | 4 |  | C/M brown sand with some silt C/M brown sand with rock F/M black sand and silt |
| 6-10 | 40/48 | N/A | ND | 10 |  | C/M brown/gray sand and gravel trace brick brown silty sand with gravel |
| | | N/A | | 12 |  | |

Comments
 Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S25

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: N/A

Date: July 13, 1999 Time: 11:45

Boring Depth: N/A

| Sample No. | Recovery/ Penetration (In Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| | | N/A | | 2 | | Boring not completed. See comments section. |
| | | N/A | | 4 | | |
| | | N/A | | 6 | | |
| | | N/A | | 8 | | |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Boring location eliminated due to refusal four times at 6".

| PROPORTIONS USED | | ABBREVIATIONS | |
|------------------|--------|------------------------|--|
| TRACE (TR.) | 0-10% | F = FINE | |
| LITTLE (LI.) | 10-20% | M = MEDIUM | |
| SOME (SO.) | 20-35% | C = COARSE | |
| AND | 35-50% | F/M = FINE TO MEDIUM | |
| | | F/C = FINE TO COARSE | |
| | | M/C = MEDIUM TO COARSE | |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S26

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4" Sampler

Water Level: 7'

Date: July 13, 1999 Time: 12:30

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 21/24 | N/A | ND | 2 | | 2" gravel and F/M brown sand 10" brown to black F/M sand; some gravel; musty odor 1" F/M blue/green tinted sand 7" rock/dust 1" fine light brown sand/silt; no odor |
| 2-6 | 40/48 | N/A | ND | 4 | | F/M gray sand with some rock rock fragment brown F/M sand |
| | | N/A | | 6 | | fine light brown/tan sand F/M brown sand |
| 6-10 | 48/48 | N/A | ND | 8 | | F/M brown/gray sand |
| | | N/A | | 10 | | wet fine brown silty sand |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.
 Four attempts made to complete the boring. Final boring location was 6'-7' west of original location. Well completed at this location.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S27

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erkk Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 1:05

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 18/24 | N/A | 602 | 2 | | 2" gravel and F/M brown sand 4" brown F/M sand; some gravel; odor 12" dark brown F/M sand; some gravel; heavy odor |
| 2-6 | 36/48 | N/A | 12.9 | 4 | | F/M black sand rock debris |
| | | N/A | | 6 | | C/M black sand rock fragment |
| 6-10 | 36/48 | N/A | 23 | 7 | | F/M black sand |
| | | N/A | | 8 | | wet F/M black sand |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Oil sheen throughout water table sample 6'-10'.
 Sample taken from above water table.
 Duplicate sample collected for 0'-2' interval.

| PROPORTIONS USED | | ABBREVIATIONS | |
|------------------|--------|------------------------|--|
| TRACE (TR.) | 0-10% | F = FINE | |
| LITTLE (LI.) | 10-20% | M = MEDIUM | |
| SOME (SO.) | 20-35% | C = COARSE | |
| AND | 35-50% | F/M = FINE TO MEDIUM | |
| | | F/C = FINE TO COARSE | |
| | | M/C = MEDIUM TO COARSE | |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S28

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A





Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 5'

Date: July 13, 1999 Time: 1:35

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|---|
| 0-2 | 24/24 | N/A | 1300 | 2 |  | 2" gravel and F/M brown sand 11" brown F/M sand and gravel; slight odor 9" dark brown/black sand and gravel; strong odor 2" reddish brown F/M sand and gravel; slight odor |
| 2-6 | 44/48 | N/A | 8 | 4 |  | rock and F/M sand brown/dark brown F/M sand with gravel black C/M sand with scattered rocks |
| 6-10 | 48/48 | N/A | 5.7 | 6 |  | wet mixed brick debris and rock wet black F/M sand with silt wet dark brown F/M sand and silt |
| | | N/A | | 10 |  | |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.
 Duplicate sample collected for 0'-2' interval.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S29

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A





Logged By: Gary Kaufman / Erk Johnstone

Sample Method: 4' Sampler

Water Level: 8'

Date: July 13, 1999 Time: 2:30

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|--|
| 0-2 | 24/24 | N/A | 524 | 2 |  | 2" gravel and F/M brown sand 6" F/M brown sand and gravel; no odor 3" dark brown/ black F/M sand; some gravel; no odor 13" F/M brown sand and gravel; no odor |
| 2-6 | 40/48 | N/A | ND | 4 |  | brown M/F sand with two black ash pieces moist brown fine sand |
| 6-10 | 48/48 | N/A | ND | 8 |  | brown w/ greenish areas of M/F sand and stones wet brown medium sand with stones to black M/F sand with 1" of stone |
| | | N/A | | 12 |  | |

Comments

Samples taken above water table.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S30

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 2:10

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 2 | | 2" gravel and F/M brown sand 10" dark brown F/M sand and gravel; trace red brick; no odor 12" fine brown sand/silt; no odor |
| 2-6 | 36/48 | N/A | ND | 4 | | F/M brown sand with some stone F/M brown sand and stone F/M brown silty sand |
| 6-10 | 36/48 | N/A | ND | 8 | | F/M brown sand with stone wet F/M brown silty sand; some stone |
| | | N/A | | 12 | | |

Comments

Samples collected at 6.5'.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S31

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Themo 580 B OVM PID

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone





Water Level: 7.5'

Boring Depth: 10'

Drill Method: GeoProbe

Sample Method: 4' Sampler

Date: July 13, 1999 Time: 2:35

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|--|
| 0-2 | 24/24 | N/A | 437 | 2 |  | 2" gravel and F/M brown sand 6" brown F/M sand and gravel; little red brick; no odor 9" F/M dark brown/black sand and gravel; little red brick; slight odor 7" light brown/brown sand and gravel; no odor |
| 2-6 | 42/48 | N/A | ND | 4 |  | F/M gray sand to light gray F/M sand brown F/M sand with stone to dark brown C/M sand and gravel |
| 6-10 | 48/48 | N/A | ND | 8 |  | light brown F/M sand brown F/M sand with silt wet dark brown F/M sand and silt with scattered rocks |
| | | N/A | | 12 |  | |

Comments

Samples taken from above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S32

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 13, 1999 Time: 3:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | 321 | 2 | | 2" gravel and F/M brown sand 11" dark brown/black F/M sad and gravel; clinders; wood chips; burnt odor 2" reddish brown fine sand/silt; trace red brick; no odor 9" gray/brown F/M sand and gravel; no odor |
| 2-6 | 48/48 | N/A | ND | 4 | | C/M gray sand to F/M greenish-gray sand F/M brown sand w/lt rock and fragments |
| 6-10 | 48/48 | N/A | ND | 8 | | gray rock fragments C/M brown sand wet F/M brown sand with silt |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Sample taken at 3.5' (greenish-gray soil - 2-6 interval)

PROPORTIONS USED

| | |
|--------------|--------|
| TRACE (TR.) | 0-10% |
| LITTLE (LI.) | 10-20% |
| SOME (SO.) | 20-35% |
| AND | 35-50% |

ABBREVIATIONS

- F = FINE
- M = MEDIUM
- C = COARSE
- F/M = FINE TO MEDIUM
- F/C = FINE TO COARSE
- M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S33

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 11:10

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | 1712 | 2 | | 0-3" brown coarse sand; brick fill; little gray sand 3-12" gray coarse sand; some gravel 12-24" brown fine sand; little silt |
| 2-6 | 42/48 | N/A | 2.5 | 4 | | gray F/M sand to brown fine silty sand |
| | | N/A | | 6 | | dark brown F/M sand to brown silty sand |
| 6-10 | 44/48 | N/A | ND | 8 | | F/C brown/gray sand with mixed brick debris to F/M brown silty sand |
| | | N/A | | 10 | | wet C/M brown sand |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S34

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 3:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 22/24 | N/A | 1.3 | 2 | | 2" gravel and F/M brown sand 5" F/M brown sand and gravel; no odor 4" F/M sand (blue/green tint) and gravel 11" F/M brown sand and gravel; some red brick |
| 2-6 | 40/48 | N/A | ND | 4 | | F/M sand with trace stone with gray rock fragments C/M brown sand and stone |
| 6-10 | 42/48 | N/A | ND | 8 | | F/M light brown sand to F/M brown sand with silt wet C/M brown sand with stone |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (L.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S35

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 6.5'

Date: July 13, 1999 Time: 3:40

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 22/24 | N/A | 1.6 | 0-2 | | 2" gravel and F/M brown sand 11" dark brown/black F/M sand and gravel; little clinders; burnt odor 9" light brown/brown F/M sand and gravel; no odor |
| 2-6 | 40/48 | N/A | ND | 2-6 | | light brown F/M sand light brown F/M sand with rocks and brick debris |
| 6-10 | 42/48 | N/A | 4.2 | 6-10 | | gray C/M sand and silt |
| | | N/A | | 10-12 | | wet dark brown C/M sand and rock debris |

Comments

Samples taken from above water table.
 Refusal at 1' on first attempt. Final location 2' north of original boring.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S36

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 13, 1999 Time: 10:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 18/24 | N/A | 12.9 | 2 | | 3" brown coarse sand and gravel 15" gray/brown coarse sand; some gravel |
| 2-6 | 36/48 | N/A | ND | 4 | | C/M light brown/brown sand to M/F brown sand with gray sand rock fragment |
| 6-10 | 30/48 | N/A | ND | 8 | | brown F/M sand with stone wet F/M brown sand with some stone |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
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Boring No.: A4-S37

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 14, 1999 Time: 9:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | 49 | 2 | | 2" gravel and F/M brown sand 9" F/M brown sand; some gravel; some blue/green tinting; slight odor 4" black F/M sand and gravel; slight odor 9" light to reddish brown F/M sand/silt; some gravel; no odor |
| 2-6 | 44/48 | N/A | ND | 4 | | gray F/M sand to rust/brown F/M sand gray C/M sand to gray/black F/M sand with some brown coloring |
| 6-10 | 36/48 | N/A | 2.2 | 8 | | C/M brown/gray sand with some silt wet black F/M silt and sand (oil sheen) |
| | | N/A | | 12 | | |

Comments

Oil sheen present at 8'.
 Sample collected at 6.5' (A4-S37) and at 8.0' (A4-S37EX).

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S38

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Gary Kaufman / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 5'

Date: July 13, 1999 Time: 1:35

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 18/24 | N/A | ND | 2 | | 9" brown coarse sand; some gravel 3" black fine sand; little gravel 6" blue/brown silty sand |
| 2-6 | 24/48 | N/A | ND | 4 | | green to brown/green M/F sand with stones brown/gold medium sand and stone to gold fine sand |
| 6-10 | 48/48 | N/A | 4 | 8 | | wet gold to grayish-green F/M sand; trace stone; petroleum odor wet gold fine sand grey/gold coarse sand and stone in water table |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.
 Petroleum odor present in water table; slight sheening.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LJ.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Aliens Avenue, Providence, Rhode Island

Boring No.: A4-S39

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A







Logged By: Gary Kaufman / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 6'

Date: July 14, 1999 Time: 9:46

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|--|
| 0-2 | 20/24 | N/A | 33 | 2 |  | 2" gravel and F/M brown sand 7" brown/dark brown F/M sand and gravel; some red brick; slight odor 5" dark brown/black F/M sand and gravel; some red brick; blue green tint 4" reddish brown/black F/M sand and gravel 6" light brown to reddish brown sand/silt; some gravel |
| 2-6 | 48/48 | N/A | ND | 4 |  | gray/brown fine sandy loam with stone to light brown fine sand; trace stone to dark brown fine sand gold fine sand; trace stone |
| 6-10 | 48/48 | N/A | ND | 6 |  | moist gold fine sand; no stone |
| | | N/A | | 8 |  | wet gray medium sand with shells at 10' |
| | | N/A | | 10 |  | |
| | | N/A | | 12 |  | |

Comments

Samples taken from above water table.
 Duplicate taken of the 6'-10' interval.
 Slight odor throughout 0'-2' interval.
 Duplicate taken of the 0'-2' interval.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S40

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 14, 1999 Time: 9:40

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 22/24 | N/A | 7 | 2 | | 2" gravel and F/M brown sand 11" F/M brown/dark brown sand; some silt and gravel; green/blue tint; slight odor 2" dark brown/black F/M sand/silt; little clinders 4" brown/reddish brown F/M sand/silt; green tint (1") 3" rock fragment and dust |
| 2-6 | 36/48 | N/A | ND | 4 | | C/M brown/gray sand and stone fragment to dark brown/gray F/M sand rust brown sand with stone fragments |
| 6-10 | 42/48 | N/A | ND | 8 | | brown F/M sand with silt to brown/rust C/M sand gray silty sand wet black silty clay and sand |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Samples taken from above the water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S41

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A




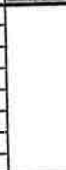

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 14, 1999 Time: 10:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|--|
| 0-2 | 22/24 | N/A | ND | 2 |  | 2" gravel and F/M brown sand 8" F/M brown sand and gravel; slight musty odor 2" dark brown/black F/M sand and gravel; musty odor; red brick 4" F/M reddish brown sand/silt and gravel; musty odor 6" F/M light brown sand and gravel |
| 2-6 | 36/48 | N/A | 2 | 4 |  | F/M gray/brown sand to C/M brown sand to F/M brown/gray sand rust/brown F/M sand |
| 6-10 | 47/48 | N/A | 1 | 8 |  | F/M brown with some rust coloring sand to rust/brown sand wet C/M brown sand to gray silty sand and clay |
| | | N/A | | 10 |  | |
| | | | | 12 |  | |

Comments

Samples taken from above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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| | |
|--|----------------------------------|
| Site: Providence Gas / Algonquin Generator Area Allens Avenue, Providence, Rhode Island | Boring No.: A4-S42 |
| Job No: P151-000.10 | |
| Drilling Co.: Environmental Drilling, Inc | Instrument: Thermo 580 B OVM PID |
| Drill Method: GeoProbe | Well Diameter: N/A |
| Sample Method: 4' Sampler | Water Level: 7' |
| Date: July 14, 1999 Time: 10:40 | Boring Depth: 10' |

| Sample No. | Recovery/ Penetration (In Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | ND | 0-2 | | 2" gravel and F/M brown sand 4" dark brown/black F/M sand and gravel with blue tint; no odor 5" reddish brown F/M sand and gravel; no odor 13" light brown/reddish-brown F/M sand and gravel; no odor |
| 2-6 | 30/48 | N/A | ND | 2-6 | | C/M gray sand and stone to F/M brown sand with stone debris to gray stone F/M brown sand with some gray and rust-colored areas |
| 6-10 | 40/48 | N/A | ND | 6-10 | | F/M gray sand with some stone C/M brown sand C/M brown sand with silt to F/M gray/brown silty sand |
| | | N/A | | 10-12 | | |

Comments
 Samples taken from above water table.

| | |
|--|--|
| PROPORTIONS USED TRACE (TR.) 0-10% LITTLE (LI.) 10-20% SOME (SO.) 20-35% AND 35-50% | ABBREVIATIONS F = FINE M = MEDIUM C = COARSE F/M = FINE TO MEDIUM F/C = FINE TO COARSE M/C = MEDIUM TO COARSE |
|--|--|



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S43

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 14, 1999 Time: 11:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 22/24 | N/A | 26 | 2 | | 2" gravel and F/M brown sand 4" reddish brown F/M sand; some gravel and red brick; no odor 4" rock fragments and dust 12" F/M light brown/brown sand/silt; little gravel; glass fragments; no odor |
| 2-6 | 44/48 | N/A | ND | 4 | | C/M gray sand to brown sandy clay with some F/M sand F/M brown sand assumed perched water table |
| 6-10 | 46/48 | N/A | ND | 8 | | dry fine dark brown silty sand to F/M brown/black sand with some brick debris brown silt, sand, and clay to C/M brown sand to brown silty sand |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S44

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erk Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 14, 1999 Time: 11:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | 3.4 | 2 | | 2" gravel and F/M brown sand 8" F/M dark brown sand/silt and gravel; red brick; 2" blue/green tint; no odor 6" F/M brown sand/silt; red brick; gravel; cinders; no odor 8" F/M light brown/brown sand/silt; some gravel; no odor |
| 2-6 | 40/46 | N/A | ND | 4 | | C/M gray sand tp C/M gray sand with brick debris to F/M gray/brown sand with some silt |
| | | N/A | | 6 | | F/M gray/brown sand with some silt |
| 6-10 | 48/48 | N/A | ND | 8 | | gray/dark brown sand with silt to C/M brown sand with small rocks |
| | | N/A | | 10 | | wet C/M brown sand with small stones |
| | | N/A | | 12 | | |

Comments

Sample taken from above water table.
 Duplicate samples collected on the 6'-10' interval.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S45

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Well Diameter: N/A

Logged By: Gary Kaufman / Buvana Ramaswamy

Drill Method: GeoProbe

Sample Method: 4' Sampler

Water Level: 6'

Date: July 13, 1999 Time: 9:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | 0.4 | 0-2 | | 6" brown coarse sand; some gravel 18" F/C orange/brown sand; little gravel |
| 2-6 | 42/48 | N/A | ND | 2-6 | | F/M brown sand with loam; little stone fine brown/gray sand; moist to wet |
| 6-10 | 48/48 | N/A | ND | 6-10 | | wet fine brown/gray sand |
| | | N/A | | 10-12 | | |

Comments

Samples taken from above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S46

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 5'

Date: July 12, 1999 Time: 3:30

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 0-2 | | 9" F/M dark brown sand; some gravel 3" coarse brown sand; little gravel 3" coarse black sand 9" coarse brown sand; little gravel |
| 2-6 | 46/48 | N/A | ND | 2-6 | | F/M brown sand with silt M/C brown sand to F/M brown sandy silt |
| 6-10 | 48/48 | N/A | ND | 6-10 | | wet F/M brown sand wet F/M brown sand |
| | | N/A | | 10-12 | | |

Comments
 Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S47

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 6.5'

Date: July 12, 1999 Time: 3:10

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | ND | 2 | | 6" coarse dark brown sand; some gravel 3" coarse gray sand; some gravel 15" F/M brown sand |
| 2-6 | 48/48 | N/A | ND | 4 | | F/M light brown sand and silt to brown silty sand |
| | | N/A | | 6 | | coarse gray stone and sand to brown coarse sand assumed perched water table |
| 6-10 | 42/48 | N/A | ND | 8 | | silty clay and C/M brown sand |
| | | N/A | | 10 | | wet black F/M silt and sand (oil sheen) |
| | | N/A | | 12 | | |

Comments

Perched water present at 3'-5'.
 Samples taken between perched water and water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S48

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Gary Kaufman / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 1:45

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 2 | | 12" coarse brown sand; little gravel 6" coarse gray/black sand; some gravel 6" F/M brown sand |
| 2-6 | 40/48 | N/A | ND | 4 | | fine gray sand; trace stone to fine very light brown/tan moist sand |
| | | N/A | | 6 | | fine gold/tan sand |
| 6-10 | 48/48 | N/A | ND | 8 | | fine gold/tan moist sand |
| | | N/A | | 10 | | fine wet gold/tan to gray sand |
| | | N/A | | 12 | | |

Comments

Samples taken of gold/tan sand above the water table.
 Duplicate samples taken.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S49

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 1:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 18/24 | N/A | ND | 2 | | 6" coarse brown sand and some gravel 6" coarse dark brown/black sand and little gravel 6" F/M orange/brown sand and trace gravel |
| 2-6 | 42/48 | N/A | ND | 4 | | medium gray sand and stone to M/C brown sand |
| | | N/A | | 6 | | M/C brown/dark brown sand |
| 6-10 | 48/48 | N/A | ND | 8 | | brown silty sand |
| | | N/A | | 10 | | wet brown silty sand |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S50

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 12:15

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 18/24 | N/A | ND | 2 | | 6" F/M dark brown sand; little gravel 9" F/M dark brown sand; trace gravel 3" medium light brown/reddish-brown sand |
| 2-6 | 30/48 | N/A | ND | 4 | | F/M brown sand with some stone to F/M brown/gray sand F/M brown/gray sand |
| | | N/A | | 6 | | F/M brown sand with some silt |
| 6-10 | 36/48 | N/A | ND | 8 | | C/M brown sand with some gray coloring |
| | | N/A | | 10 | | wet C/M brown/gray sand |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



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 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S51

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 11:40

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 2 | | 9" coarse brown sand; little gravel 3" coarse blue/gray sand; some gravel 12" coarse light brown sand; trace gravel |
| 2-6 | 48/48 | N/A | 2 | 4 | | F/M brown sand to greenish-yellow sand to layer of sandy silt C/M brown sand with some stone |
| 6-10 | 48/48 | N/A | 1 | 8 | | C/M brown sand with small stones wet C/M gray sand with some stone |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S52

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7'

Date: July 12, 1999 Time: 11:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | ND | 2 | | 6" coarse gray sand; some gravel; little orange oxidized sand 6" fine coarse sand (well graded) 12" coarse brown sand; little gravel |
| 2-6 | 40/48 | N/A | ND | 4 | | F/M brown sand to greenish-yellow sand to medium brown sand with some debris light brown F/M sand with layer of concrete |
| 6-10 | 48/48 | N/A | ND | 8 | | F/M brown sand coarse brown sand wet coarse gray sand with silt |
| | | N/A | | 12 | | |

Comments

Sample taken at 3'; greenish-yellow sand present.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S53

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Gary Kaufman / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 8'

Date: July 12, 1999 Time: 10:20

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|-----------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 2 | | 4" dark gray/brown sand; little gravel 2" brown sand; little gravel 6" coarse black sand 12" moist brown silt |
| 2-6 | 38/48 | N/A | ND | 4 | | wet, fine, gray sand |
| 6-10 | 46/48 | N/A | ND | 8 | | wet, fine, gray sand to dry coarse brown to gray sand and stone to gray coarse wet sand and stone wet coarse gray sand and stone |
| | | N/A | | 12 | | |

Comments

Perched water table from 2' to 7'.
 Samples taken between perched water and water table.

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Aliens Avenue, Providence, Rhode Island

Boring No.: A4-S54

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Buvana Ramaswamy

Sample Method: 4" Sampler

Water Level: 7'

Date: July 12, 1999 Time: 10:00

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 2 | | 6" gray sand; some gravel (surf. gravel) 18" some brown sand; little gravel |
| 2-6 | 46/48 | N/A | 1.3 | 4 | | F/M brown sand with stone C/M brown/rust-colored sand with stone |
| 6-10 | 48/48 | N/A | 1.3 | 8 | | moist C/M brown/rust-colored sand with stone coarse brown sand with some stone wet black silty sand |
| | | N/A | | 12 | | |

Comments

Sample taken from discolored zone (rust).

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



Site: Providence Gas / Algonquin Generator Area
Allens Avenue, Providence, Rhode Island

Boring No.: A4-S55

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Gary Kaufman / Buvana Ramaswamy

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 12, 1999 Time: 8:45

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2.5 | 24/24 | N/A | 9 | 0-2.5 | | 8" gray/brown sand with little blue sand; some gravel (surface) 8" dark gray sand; little oxidized sand; some gravel 8" gray sand; little gravel |
| 2-6 | 42/48 | N/A | ND | 2-6 | | medium gray sand with little to some stone to brown moist sand with little stone; odor |
| 6-10 | 48/48 | N/A | ND | 6-10 | | brown/gray moist sand with little stone; odor wet, fine, gray sand; trace stone |
| | | N/A | | 10-12 | | |

Comments
Samples taken from above water table.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S56

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 14, 1999 Time: 2:15

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in Inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|---|
| 0-2 | 24/24 | N/A | ND | 2 | | 8" F/M brown sand and gravel; green/blue tint (top 4"); musty odor 8" fine red sand/silt (clay); no odor 8" F/M dark brown sand; some gravel; no odor |
| 2-6 | 40/48 | N/A | ND | 4 | | F/M gray sand ith mixed stone to F/M brown sand with some silt |
| 6-10 | 48/48 | N/A | ND | 8 | | C/M rust sand with mixed stone to F/M tan/light brown silty sand |
| | | N/A | | 10 | | wet tan with random brown areas sandy clay |
| | | N/A | | 12 | | |

Comments

Sample collected at 6' (rust sand).

PROPORTIONS USED

TRACE (TR.) 0-10%
 LITTLE (LI.) 10-20%
 SOME (SO.) 20-35%
 AND 35-50%

ABBREVIATIONS

F = FINE
 M = MEDIUM
 C = COARSE
 F/M = FINE TO MEDIUM
 F/C = FINE TO COARSE
 M/C = MEDIUM TO COARSE



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S57

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7'

Date: July 14, 1999 Time: 2:30

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|----------|--|
| 0-2 | 24/24 | N/A | ND | 2 | | 3" green/blue stained F/M sand and gravel 3" F/M light brown sand 18" F/M dark to light brown sand and gravel; some black fine sand; cinders; red brick; slight odor; wood chips |
| 2-6 | 36/48 | N/A | ND | 4 | | F/M greenish sand with some stone to F/M rust sand wet F/M gray/brown sand to brown silty sand |
| 6-10 | 48/48 | N/A | ND | 8 | | dry F/M brown/gray sand with some green sand to F/M brown/gray silty sand wet F/M brown silty sand |
| | | N/A | | 12 | | |

Comments

Perched ground water at 4'-6'.
 Samples taken between perched water and actual water table.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S58

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A





Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 6.5'

Date: July 14, 1999 Time: 2:55

Boring Depth: 14'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|--------------|---|---|
| 0-2 | 24/24 | N/A | ND | 2 |  | 7" F/M brown sand and gravel (with green tint); no odor 3" F/M reddish-brown sand and gravel; no odor 1" F/M brown sand/silt - green tint 4" F/M black sand; some gravel; musty odor 9" F/C lgh to reddish-brown sand and gravel; no odor |
| 2-6 | 30/48 | N/A | ND | 4 |  | F/M light brown/tan sand with some gray areas to F/M brown sand with rock |
| 6-10 | 40/48 | N/A | ND | 8 |  | moist F/M brown/gray sand to F/M brown sand with stone |
| | | N/A | | 10 |  | wet F/M gray silty sand (petroleum odor) to wet brown silty sand |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | ABBREVIATIONS |
|---------------------|------------------------|
| TRACE (TR.) 0-10% | F = FINE |
| LITTLE (LI.) 10-20% | M = MEDIUM |
| SOME (SO.) 20-35% | C = COARSE |
| AND 35-50% | F/M = FINE TO MEDIUM |
| | F/C = FINE TO COARSE |
| | M/C = MEDIUM TO COARSE |



272 West Exchange Street, Suite 101
 Providence, Rhode Island 02903
 (401) 421-0398 Fax (401) 421-5731

Site: Providence Gas / Algonquin Generator Area
 Allens Avenue, Providence, Rhode Island

Boring No.: A4-S59

Job No: P151-000.10

Drilling Co.: Environmental Drilling, Inc

Instrument: Thermo 580 B OVM PID

Drill Method: GeoProbe

Well Diameter: N/A

Logged By: Sean Driscoll / Erik Johnstone

Sample Method: 4' Sampler

Water Level: 7.5'

Date: July 14, 1999 Time: 3:25

Boring Depth: 10'

| Sample No. | Recovery/ Penetration (in inches) | Blow Counts | Headspace (ppm) | Depth (feet) | Soil Log | Materials Description (size, grade, color, moisture) |
|------------|---|-------------|--------------------|-----------------|----------|---|
| 0-2 | 24/24 | N/A | 2.3 | 2 | | 3" F/M sand and gravel - gree tint; slight odor 4" F/M dark brown/black sand and gravel; musty odor 2" F/M reddish brown sand and gravel; musty odor 15" F/M light brown/brown sand and gravel; some green tint towards bottom; musty odor |
| 2-6 | 40/48 | N/A | ND | 4 | | F/M gray sand and stone to F/M brown sand and stone debris F/M light gray/gray sand to F/M brown sand with brick debris |
| 6-10 | 36/48 | N/A | ND | 8 | | F/M gray/brown sand with rock debris wet C/M brown sand with some fine sand |
| | | N/A | | 10 | | |
| | | N/A | | 12 | | |

Comments

Samples taken from above water table.

| PROPORTIONS USED | | ABBREVIATIONS |
|------------------|--------|------------------------|
| TRACE (TR.) | 0-10% | F = FINE |
| LITTLE (LI.) | 10-20% | M = MEDIUM |
| SOME (SO.) | 20-35% | C = COARSE |
| AND | 35-50% | F/M = FINE TO MEDIUM |
| | | F/C = FINE TO COARSE |
| | | M/C = MEDIUM TO COARSE |



May 27, 1997

Ms. Carol A. Gendron
Senior Engineer
Department of Environmental Management
Division of Site Remediation
291 Promenade Street
Providence, RI 02908-5767

Dear Carol,

Enclosed are boring logs generated by Haley in Aldrich in 1971 and boring logs from Stone & Webster most recently.

The borings are generally 40-72' in depth and are widely dispersed around the site. Although there is no evidence of DNAPL, there are hydrocarbon odors at depth in SWBL 7, 8, 9A, and 10.

Evidence seems to indicate that the major problem on the site is the LNAPL which is being remediated.

We would like to bring this to closure as quickly and inexpensively as possible due to time constraints and the background contamination from old manufacturing and oil tanks in the area.

Hopefully, the information provided will be sufficient for our purposes. As always, if you have any questions, please call me at 272-5040, extension 523.

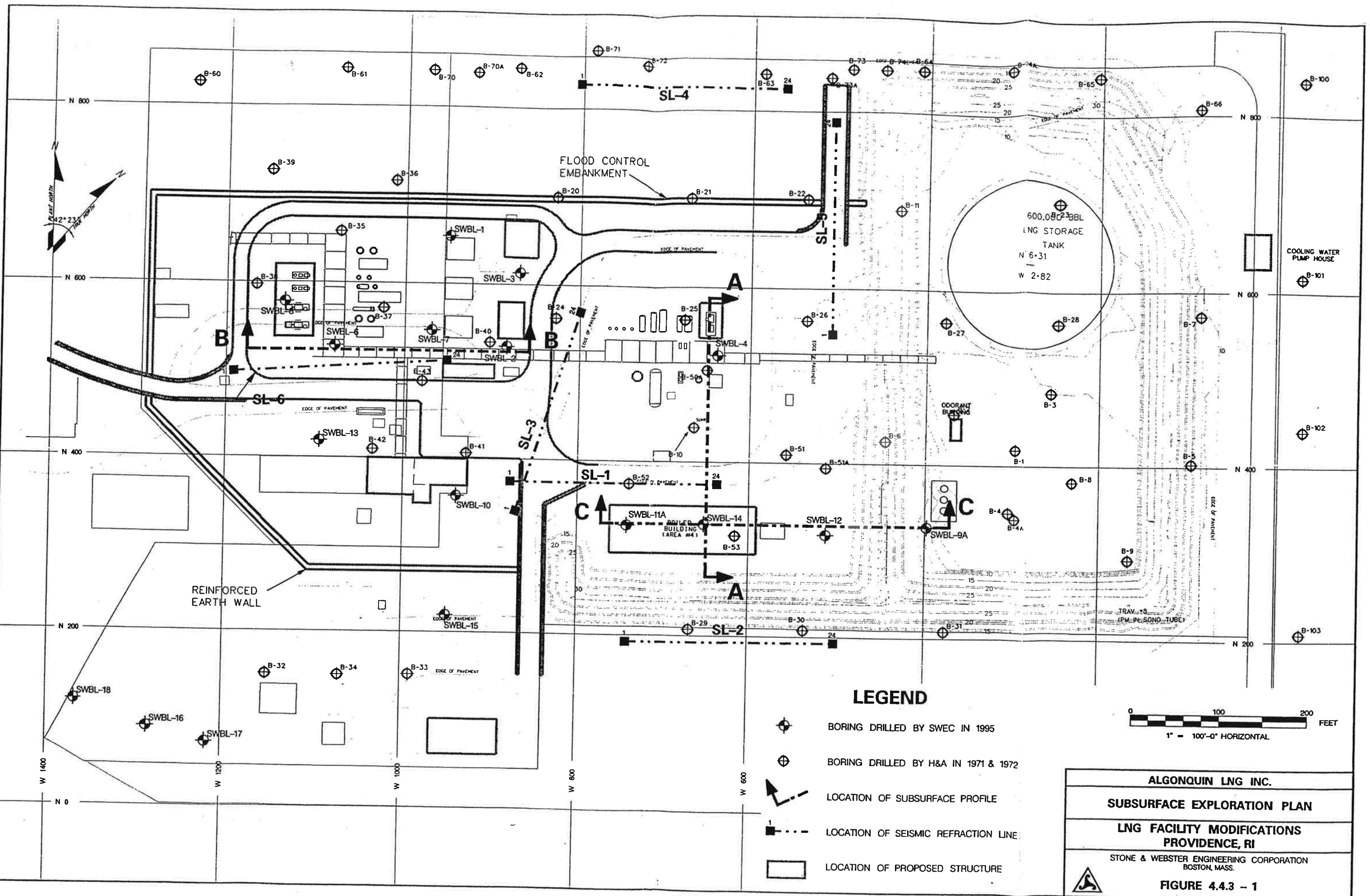
Sincerely,

Paul R. Seddon
Environmental Engineer






PRS/kg

Enclosure

P:\J056855\gsk\04\0.dgn 03-APR-1996 08:55



LEGEND

-  BORING DRILLED BY SWEC IN 1995
-  BORING DRILLED BY H&A IN 1971 & 1972
-  LOCATION OF SUBSURFACE PROFILE
-  LOCATION OF SEISMIC REFRACTION LINE
-  LOCATION OF PROPOSED STRUCTURE



| |
|--|
| ALGONQUIN LNG INC. |
| SUBSURFACE EXPLORATION PLAN |
| LNG FACILITY MODIFICATIONS PROVIDENCE, RI |
| STONE & WEBSTER ENGINEERING CORPORATION BOSTON, MASS. |
| FIGURE 4.4.3 - 1 |

| | |
|--|--|
| Site: Fields Point, Providence, RI Client: Algonquin LNG, Inc. Coordinates: N 654.42 W 950.53 Groundwater Depth: 7 ft Contractor: American Drilling | Logged by: R.T. DeConto Date Start - Finish: 11/09/95 - 11/09/95 Ground Elevation: 9.704 ft Total Depth Drilled: 52 ft Rig Type: CME-75 Depth to Bedrock: Driller: R. Leger Casing Used: None |
|--|--|

Methods:
 Drilling Soil: 4.25" hollow-stem augers
 Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
 Drilling Rock: None

Comments: Groundwater depth as noted during drilling. WOR = Weight of Rods.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|---|
| | | Type | No. | | | | |
| 9.7 | 0 | | | | | SP-SM | Posthole to 4'. FILL: Gravelly sand, mostly fine, 10-20% subangular to subrounded gravel to 2 1/2" (some coke), 5-10% nonplastic fines, moist, dark brown, hydrocarbon odor. |
| | 5 | S | 1 | 2-3-2-2 (17.0") | 5 | SP-SM | S-1: Sand, fine to medium, mostly fine, 5-15% slightly plastic fines in pockets, light olive, some black staining, saturated with oil. |
| | | S | 2 | 3-4-8-15 (20.0") | 12 | SP-SM | S-2: Sand, fine to medium, mostly medium, 5-10% slightly plastic fines (mainly in 1-2" pockets), medium dense, mottled (light olive and black), saturated with oil, strong hydrocarbon odor. |
| | | S | 3 | 5-6-11-12 (18.0") | 17 | SP-SM | S-3: Similar to S-2, except 1 shell. |
| | 10 | S | 4 | 5-7-8-9 (22.0") | 15 | SP-SM | S-4: Gravelly sand, coarse to fine, mostly medium to fine, 10-20% subrounded to rounded gravel to 1", 5-10% nonplastic fines, medium dense, wet, light olive with black mottling, hydrocarbon odor. |
| | | S | 5 | 4-6-8-8 (17.0") | 14 | SP | S-5: Sand, poorly graded, coarse to fine, mostly medium to fine, 5-15% subrounded gravel to 1 1/4", <10% nonplastic fines, medium dense, wet, olive gray, slight hydrocarbon odor. |
| | 15 | S | 6 | 0-1-2-1 (9.0") | 3 | SP OL | S-6A (Top 4"): Similar to S-5. S-6B (Bot. 5"): Organic silt, moderately plastic, 5-10% fine to medium sand, soft, moist, brownish gray, hydrocarbon odor. |
| | | S | 7 | 0-1-1-1 | 2 | OL | S-7: Similar to S-6B, except pockets of dark gray, medium to fine sand. |
| | 20 | U | 1 | PUSH (19.0") | | OL | U-1: Organic silt, slightly plastic, 5-10% fine to medium sand, moist, dark olive, shells. |
| | | S | 8 | 0-1-1-1 (18.0") | 2 | OL | S-8: Organic silt, slightly plastic, 5-15% coarse to fine sand, mostly fine sand, very soft to soft, moist, brownish gray, trace organic fibers. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

· Sample Type:

- S = Standard split-spoon
- U = Undisturbed tube

| | |
|------------------------|------------------|
| Approved DRB | Date 04/05/96 |
|------------------------|------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------------------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -15 | 25 | S | 9 | WOR-1-2-1 (20.0") | 3 | OL | S-9: Organic silt, moderately plastic, <5% fine sand, soft, moist, dark grayish brown, trace shell fragments, flat piece of shale. Driller noted change in strata between at 28'-29'. |
| -20 | 30 | S | 10 | 20-17-7-10 (10.0") | 24 | SP-SM | S-10: Sand, medium to fine, mostly fine, <5% subrounded gravel to 3/8", 5-10% slightly plastic fines, medium dense, wet, light gray, yellow brown staining. |
| -25 | 35 | S | 11 | 5-6-7-8 (15.0") | 13 | ML | S-11: Silt, slightly plastic, <10% fine sand, stiff, moist to wet, tan with occasional yellow brown mottling. |
| -30 | 40 | U | 2 | PUSH (16.0") | | ML | U-2: Similar to S-11. |
| -30 | 40 | S | 12 | 12-7-5-6 (16.0") | 12 | ML | S-12: Similar to S-11. |
| -35 | 45 | S | 13 | 4-4-4-5 (14.0") | 8 | ML | S-13: Silt, slightly plastic, 10-15% fine sand (mostly in 1-3" lenses), medium stiff to stiff, wet, medium gray, light grayish green in more sandy lenses. |
| -40 | 50 | S | 14 | 4-4-5-6 | 9 | ML | S-14: Similar to S-13. |
| BOTTOM OF BORING AT 52 FEET | | | | | | | |
| -45 | 55 | | | | | | |
| -50 | 60 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

| | |
|---|---|
| Site: Fields Point, Providence, RI Client: Algonquin LNG, Inc. Coordinates: N 529.20 W 882.80 Groundwater Depth: 10 ft Contractor: American Drilling | Logged by: R.T. Deconto Date Start - Finish: 10/24/95 - 10/24/95 Ground Elevation: 10.354 ft Total Depth Drilled: 72 ft Rig Type: CME-75 |
|---|---|

Methods: Casing Used: **None**

Drilling Soil: **4.25" hollow-stem augers**

Sampling Soil: **Standard split-spoon sampler driven using a CME automatic SPT hammer**

Drilling Rock: **None**

Comments: **Groundwater depth as noted during drilling.**

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|---|
| | | Type | No. | | | | |
| 10.4 | 0 | | | | | | Fill: Sandy gravel, well graded, gravel to 2", 20-30% fine to coarse sand, <10% nonplastic fines, dry, black, hydrocarbon odor. |
| | 0 | S | 1 | 10-12-14-8 | 26 | GW | S-1: No recovery. |
| | 5 | S | 2 | 4-5-5-9 | 10 | SM | S-2: Silty sand, <5% fine gravel, fine to coarse sand, mostly fine, 25-35% nonplastic to slightly plastic fines, loose to medium dense, damp, brown. |
| | 5 | S | 3 | 8-5-3-4 | 8 | SM | S-3: Similar to S-2, except 5-10% fine gravel, loose, mottled (light and dark brown). |
| | | S | 4 | 2-1-3-5 (18.0") | 4 | SM | S-4A (Top 6"): Silty sand, 5-10% subangular fine gravel, coarse to fine sand, mostly fine, 10-20% nonplastic to slightly plastic fines, very loose to loose, damp, tan with orange mottling. |
| | | S | 4 | | | SP-SM | S-4B (Bot. 12"): Gravelly sand, 10-20% subrounded gravel to 1 1/2", fine to coarse sand mostly fine, 10-15% nonplastic fines, very loose to loose, wet, mottled (gray and light brown). |
| | 0 | S | 5 | 2-3-2-3 | 5 | SP-SM | S-5: Gravelly sand, 15-20% slightly rounded, fine gravel, coarse to fine sand, mostly medium to fine, 5-10% nonplastic fines, loose, wet, gray. |
| | | S | 6 | 4-4-7-7 | 11 | SP-SM | S-6: Sand, widely graded, coarse to fine, mostly medium to fine, 5-10% nonplastic fines, medium dense, wet, gray. |
| | 5 | S | 7 | 5-5-2-1 (14.0") | 7 | SM | S-7: Silty sand, mostly fine, <5% fine gravel to coarse sand, 20-30% nonplastic fines, loose, wet, medium gray; pockets of organic silt, moderately plastic, dark gray, hydrocarbon odor. |
| | | S | 8 | 3-3-4-6 (20.0") | 7 | SP-SM | S-8A (Top 14"): Sand, <5% rounded, fine gravel, coarse to fine sand, mostly medium to fine, 5-10% nonplastic fines, loose, wet, brown, slight hydrocarbon odor; pockets of organic silt, moderately plastic, dark gray. |
| | | S | 9 | 4-6-7-9 (18.0") | 13 | SW-SM | S-8B (Bot. 6"): Organic Silt, slightly to moderately plastic, <5% fine gravel, 5-10% coarse to fine sand, medium gray. |
| | | S | 9 | | | SW-SM | S-9: Gravelly sand, widely graded, 10-15% rounded to subangular gravel to 1 1/4", coarse to fine sand, 5-15% nonplastic fines, medium, dense, wet, brownish gray, slight hydrocarbon odor. |
| | 10 | S | 10 | 3-3-1-1 (8.0") | 4 | SW-SM | S-10: Similar to S-9, except very loose to loose. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
 S = Standard split-spoon

| | |
|------------------------|-------------------------|
| Approved DRB | Date 04/05/96 |
|------------------------|-------------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. Deconto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|---|
| | | Type | No. | | | | |
| -15 | 25 | S | 11 | 17-18-17-15 | 35 | SW-SM | S-11: Gravelly sand, widely graded, 15-20% rounded fine gravel, 5-15% nonplastic fines, dense, wet, brownish gray; 2" rounded piece of gravel in spoon tip. |
| -20 | 30 | S | 12 | 17-21-22-19 | 43 | GW-GM | S-12: Sandy gravel, widely graded, subrounded to max 1 1/4", 15-25% coarse to fine sand, 5-10% nonplastic fines, dense, wet, mottled (dark gray and tan). |
| -25 | 35 | S | 13 | 19-23-15-12 (13.0") | 38 | GW-GM ML | S-13A (Top 7"): Sandy gravel, widely graded, rounded to subrounded to 1 1/2" max., 20-30% coarse to fine sand, mostly coarse to medium. 5-10% nonplastic fines, dense, wet, black, organic odor; transitions quickly to silt. S-13B (Bot. 6"): Silt, nonplastic, <5% medium to fine sand, dense, light brown; pockets of sandy gravel, similar to S-13A. |
| -30 | 40 | S | 14 | 34-24-21-14 | 45 | | S-14: No recovery. |
| | | S | 15 | 7-8-8-15 | 16 | SW-GW | S-15: Gravelly sand, well graded, 30-40% rounded gravel to 1 1/4", coarse to fine, <5% nonplastic fines, medium dense, wet, gray brown, hydrocarbon odor. |
| -35 | 45 | S | 16 | 4-5-11-17 (14.0") | 16 | SP SW-SM | S-16A (Top 6"): Sand, coarse to fine, mostly medium to fine, <5% nonplastic fines, medium dense, dark gray. S-16B (Bot. 8"): Gravelly sand, widely graded, 20-25% rounded gravel to 1", fine to coarse sand, 10-15% nonplastic fines, medium dense, wet, dark gray. |
| -40 | 50 | S | 17 | 8-12-11-12 (20.0") | 23 | SP-SM ML | S-17A (Top 9"): Sand, coarse to fine, mostly medium to fine, 5-15% nonplastic fines, medium dense, dark gray. S-17B (Bot. 11"): Silt, nonplastic, <5% fine to medium sand, medium dense, wet, light brown; 2" sand parting. |
| -45 | 55 | S | 18 | 8-11-9-20 (18.0") | 20 | SP ML | S-18A (Top 10"): Sand, poorly graded, coarse to fine, mostly medium to fine, <5% nonplastic fines, medium dense, wet, olive gray. S-18B (Bot. 8"): Silt, nonplastic, dense, light brown, in contact with black silty gravel (graphite shale). |
| -50 | 60 | S | 19 | 15-18-23-24 (17.0") | 41 | SW-SW GW-GM | S-19A (Top 11"): Gravelly sand, widely graded, 10-20% fine gravel, 5-15% nonplastic fines, dense, wet, olive gray. S-19B (Bot 6"): Sandy gravel, widely graded, subrounded to rounded to 1 1/2" max., 35-45% coarse to fine sand, 5-10% nonplastic fines, dense, wet, dark olive gray. |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI

Logged by: R.T. Deconto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|---|
| | | Type | No. | | | | |
| -55 | 65 | S | 20 | 3-5-6-14 (16.0") | 11 | GW-GM SP | S-20A (Top 8"): Similar to S-19B, except 10-15% slight plastic fines; grades into uniform, fine sand. S-20B (Bot. 8"): Sand, uniform, fine. 5-10% subrounded fine gravel, <5% medium to coarse sand, <5% nonplastic fines, loose, wet, medium gray, hydrocarbon odor. Note: Blow counts may not be reliable due to wash at top of sample. |
| -60 | 70 | S | 21 | 9-11-15- 12 (18.0") | 26 | SP ML | S-21A (Top 8"): Sand, poorly graded, coarse to fine, mostly medium to fine, <5% nonplastic fines, medium dense, wet, dark gray; grades into finer sand with gravel at bottom 2". S-21B (Bot. 10"): Silt, nonplastic, 5-10% fine sand, medium dense, wet, gray. BOTTOM OF BORING AT 72 FEET |
| -65 | 75 | | | | | | |
| -70 | 80 | | | | | | |
| -75 | 85 | | | | | | |
| -80 | 90 | | | | | | |
| -85 | 95 | | | | | | |
| -90 | 100 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 613.45 W 868.46
Groundwater Depth: 7 ft
Contractor: American Drilling

Logged by: R.T. DeConto
Date Start - Finish: 11/03/95 - 11/03/95
Ground Elevation: 9.95 ft
Total Depth Drilled: 72 ft
Rig Type: CME-75

Methods: Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Groundwater depth as noted during drilling. WOR = Weight of Rods.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|-------------|---|
| | | Type | No. | | | | |
| 9.9 | 0 | | | | | | Augered through asphalt to 2'. |
| | | S | 1 | 3-3-4-4 (24.0") | 7 | SP-SM | S-1A (Top 12"): Gravelly sand, 10-20% subangular to subrounded fine gravel, fine to coarse sand, mostly medium to fine, 5-10% nonplastic fines. loose, damp, mottled dark brown and reddish brown), damp, strong hydrocarbon odor. |
| | | S | 2 | 2-3-4-5 (24.0") | 7 | SP-SM | S-1B (Bot 8"): Sand, 5-10% fine gravel, mostly fine sand, 5-10% nonplastic fines, loose, moist, dark gray. S-2A (Top 8"): Similar to S-1A. S-2B (Bot. 16"): Similar to S-1B, except hydrocarbon odor. |
| | | S | 3 | 2-4-2-2 (15.0") | 6 | SM | S-3: Silty sand, 5-10% gravel to 1", mostly fine sand, <5% medium to coarse sand, 10-20% nonplastic to slightly plastic fines, loose, wet, dark gray, hydrocarbon odor. |
| | | S | 4 | WOR/12-1-1 (5.0") | 1 | SM | S-4: Similar to S-3, strong hydrocarbon odor; sample very oily. |
| | | S | 5 | WOR-1-1-1 (24.0") | 2 | SM-ML | S-5: Silty sand, 5-10% subrounded fine gravel, coarse to fine sand, mostly fine, 35-45% nonplastic fines, very loose, wet, light olive, hydrocarbon odor. |
| | | S | 6 | WOR/24 (24.0") | 0 | SP-SM | S-6: Sand, 5-10% fine gravel, coarse to fine sand, mostly medium to fine, 5-10% nonplastic fines, very loose, wet, brown gray. |
| | | S | 7 | WOR-1-2-2 (4.0") | 3 | SM-ML | S-7: Similar to S-5. |
| | | S | 8 | WOR-2-3-2 (24.0") | 5 | SW-SM ML | S-8A (Top 18"): Gravelly sand, widely graded, 20-30% subrounded gravel to 1 1/4", fine to coarse sand, 5-10% nonplastic fines, loose, wet, olive gray. S-8B (Bot. 6"): Silt, slightly plastic, <5% fine to medium sand, medium stiff, wet, dark olive. |
| | | S | 9 | WOR-1-2-2 (18.0") | 3 | SW-SM OL | S-9A (Top 6"): Similar to S-8A, except 10-20% fine gravel, very loose, hydrocarbon odor. S-9B (Bot. 12"): Organic silt, slightly to moderately plastic, <5% fine to medium sand, soft, wet, dark olive, shell fragments. |
| | | S | 10 | 3-6-8-11 (9.0") | 14 | SM | S-10: Silty sand, 5-15% subrounded gravel to 1 1/4", coarse to fine sand mostly fine, 20-30% slightly plastic fines. medium dense, wet, olive gray, trace shells. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

- Sample Type:
S = Standard split-spoon
U = Undisturbed tube

| | |
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| Approved DRB | Date 04/05/96 |
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Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|--|
| | | Type | No. | | | | |
| | | S | 11 | 3-8-3-11 (9.0") | 11 | SW-SM | S-11: Gravelly sand, widely graded, 15-25% subrounded gravel to 1 1/4", 5-15% nonplastic fines, medium dense, wet, medium gray, strong hydrocarbon odor. |
| -15 | 25 | S | 12 | 7-8-11-12 (13.0") | 19 | OL SW-SM | S-12A (Top 4"): Similar to S-9B, except 5-15% medium to fine sand, very stiff. S-12B (Bot. 9"): Gravelly sand, widely graded, 25-35% subrounded gravel 5-10% nonplastic fines, medium dense, wet, mottled (medium gray and light brown.) |
| | | S | 13 | 8-6-8-11 (13.0") | 14 | GW | S-13: Sandy gravel, widely graded, subangular to subrounded gravel to 1 1/2", 30-40% fine to coarse sand, 5-10% nonplastic fines (mainly in lenses), medium dense, wet, gray. |
| -20 | 30 | S | 14 | 18-26-28- 13 (16.0") | 54 | SP SW | S-14A (Top 4"): Sand, poorly graded, <5% fine gravel, fine to coarse sand mostly medium, <5% nonplastic fines, brown gray. S-14B (Bot. 12"): Gravelly sand, widely graded, 15-25% subrounded to subangular gravel to 1 1/8", fine to coarse sand, 5-10% nonplastic fines (mainly in lenses), very dense, wet, medium olive, hydrocarbon odor and slight ammonia odor. |
| -25 | 35 | S | 15 | 13-10-13- 17 (22.0") | 23 | SP-SM ML | S-15A (Top 8"): Gravelly sand, 10-20% subangular to subrounded gravel to 1 1/4", fine to coarse sand, mostly fine to medium, 5-15% slightly plastic fines, medium dense, wet, olive gray; pockets of slightly plastic silt. S-15B (Bot. 14"): Silt, nonplastic to slightly plastic, 5-10% fine sand, medium dense, wet, light brown. |
| -30 | 40 | S | 16 | 7-6-8-15 (19.0") | 14 | SP ML | S-16A (Top 5") Sand, poorly graded, <10% gravel to 1", coarse to fine sand, mostly medium to fine, medium dense, wet, brown gray. S-16B (Bot. 14"): Similar to S-15B, except fine sand in interbeds, mottled (tan and light brown), slight odor. |
| -35 | 45 | S | 17 | 8-11-10- 15 | 21 | SP-SM ML | S-17A (Top 5"): Sand, <5% subrounded fine gravel, coarse to fine sand, mostly medium to fine, 5-15% nonplastic fines, medium dense, wet, gray brown; pockets of nonplastic to slightly plastic silt. S-17B (Bot. 13"): Silt, slightly plastic, 5-10% fine sand interbedded with silt, very stiff, wet, light gray olive and dark gray olive bands. |
| -40 | 50 | S | 18 | 10-9-6-11 (16.0") | 15 | SP-SM ML | S-18A (Top 2"): Similar to S-17A. S-18B (Bot. 14"): Similar to S-17B, except 5-15% fine sand, interbedded with silt. |
| -45 | 55 | S | 19 | 6-8-12-13 (17.0") | 20 | ML SP ML | S-19A (Top 7"): Similar to S-17B, except slightly plastic to nonplastic, 5-15% fine sand interbedded with silt. S-19B (Mid. 3"): Sand, poorly graded, fine to coarse, mostly medium, <5% nonplastic fines, medium dense, wet, light brown gray. S-19C (Bot. 7"): Similar to S-19A. |
| -50 | 60 | S | 20 | 19-18-25- 30 (24.0") | 43 | ML-SM | S-20: Interlayered Sandy silt and Silty sand: Sandy silt, nonplastic, 25-45% fine sand, dense, wet, olive gray; and Silty sand, uniform, fine, 25-40% nonplastic fines, light olive gray. |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------------------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -55 | 65 | S | 21 | 40-28-32-30 | 60 | ML | S-21: Sandy silt, slightly plastic, 10-15% subangular gravel to 1", 30-40% fine sand, <5% medium to coarse sand, hard, wet, mottled (dark and light olive gray). |
| -60 | 70 | S | 22 | 19-21-24-27 | 45 | SM | S-22: Silty sand, uniform, fine, 30-40% slightly plastic fines (mostly in layers), dense, wet, gray. |
| BOTTOM OF BORING AT 72 FEET | | | | | | | |
| -65 | 75 | | | | | | |
| -70 | 80 | | | | | | |
| -75 | 85 | | | | | | |
| -80 | 90 | | | | | | |
| -85 | 95 | | | | | | |
| -90 | 100 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 522.83 W 637.45
Groundwater Depth:
Contractor: American Drilling

Logged by: R.T. DeConto
Date Start - Finish: 10/23/95 - 10/23/95
Ground Elevation: 10.97 ft
Total Depth Drilled: 52 ft
Rig Type: CME-75
Depth to Bedrock:
Driller: R. Leger

Methods:
Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Groundwater depth as noted during drilling. WOR = Weight of Rods.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|---|
| | | Type | No. | | | | |
| 11.0 | 0 | | | | | | Augered through FILL (subangular to subrounded gravel to 2") to 2'. |
| | | S | 1 | 4-3-2-3 (14.0") | 5 | | S-1: Fill (gravel). |
| | | S | 2 | 2-3-6-3 (14.0") | 9 | SM | S-2: Silty sand, 10-15% fine gravel, coarse to fine sand, mostly fine. 25-35% slightly plastic fines, loose, damp, dark brown. |
| | | S | 3 | 5-4-3-5 (12.0") | 7 | SM | S-3: Similar to S-2, except 5-10% fine subangular to subrounded gravel, moist, light brown. |
| | | S | 4 | 2-2-2-4 (3.0") | 4 | | S-4: No sample description recorded. |
| | | S | 5 | WOR-1-2-5 (8.0") | 3 | SP-SM | S-5: Gravelly sand, 25-35% subrounded to subangular gravel to 1", coarse to fine sand, mostly medium to fine. 5-15% slightly plastic fines, very loose, saturated soupy, light brown. |
| | | S | 6 | 3-4-3-5 | 7 | | S-6: No description recorded. |
| | | S | 7 | 3-3-4-5 (24.0") | 7 | SP-SM | S-7A (Top 14"): Gravelly sand, 10-20% coarse to fine gravel, coarse to fine sand, mostly medium to fine, 5-10% nonplastic fines, loose, wet, brown. |
| | | S | 8 | 2-1-2-4 (18.0") | 3 | ML | S-7B (Bot 10"): Sandy silt, nonplastic. <5% fine gravel, <5% medium to coarse sand, 20-35% fine sand, loose, wet, gray, trace shells. |
| | | S | 9 | 1-2-6-13 (14.0") | 8 | SW-SM | S-8: Similar to S-7B, except very loose. |
| | | S | 9 | 1-2-6-13 (14.0") | 8 | SW-SM | S-9: Gravelly sand, widely graded, 20-25% rounded gravel to 1 1/2", coarse to fine sand, 5-10% nonplastic fines, loose, wet, dark gray, hydrocarbon odor. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

- Sample Type:
S = Standard split-spoon
U = Undisturbed tube

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| Approved DRB | Date 04/05/96 |
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Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------------------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -15 | 25 | S | 10 | 5-6-8-12 | 14 | SW-SM | S-10: Gravelly sand, widely graded, 15-25% subrounded fine gravel, 10-15% nonplastic fines, medium dense, wet, dark gray, hydrocarbon odor. |
| -20 | 30 | S | 11 | 7-8-10-14 (24.0") | 18 | SP | S-11: Sand, poorly graded, fine to coarse, mostly medium to fine, <10% nonplastic fines, medium dense, wet, dark gray, slight hydrocarbon odor. |
| -25 | 35 | S | 12 | 11-12-19-19 (24.0") | 31 | SP GW-GM | S-12A (Top 18"): Sand, poorly graded, <5% coarse sand, mostly fine to medium sand, <5% nonplastic fines, medium dense, wet, medium gray. S-12B (Bot. 6"): Sandy gravel, widely graded to 1 1/4" max., subrounded, 25-35% fine to coarse sand, 20-30% slightly plastic fines (mostly in lenses), dense, wet, gray. |
| -30 | 40 | S | 13 | 7-10-11-15 (24.0") | 21 | SP ML | S-13A (Top 8"): Sand, poorly graded, mostly medium to fine, <5% nonplastic fines, medium dense, wet, gray. S-13B (Bot. 16"): Silt, nonplastic to slightly plastic, medium dense, wet, light grayish brown. |
| -35 | 45 | S | 14 | 8-10-11-13 (18.0") | 21 | SP ML | S-14A (Top 6"): Similar to S-13A. S-14B (Bot. 12"): Similar to S-13B, except <5% medium to fine sand. |
| -40 | 50 | S | 15 | 5-10-15-28 (18.0") | 25 | SP SP-SM | S-15A (Top 4"): Similar to S-12A. S-15B (Mid. 4"): Similar to S-14B. S-15C (Bot. 10"): Gravelly sand, 15-25% subrounded fine gravel, coarse to fine sand, mostly fine, 15-20% nonplastic fines, medium dense, wet, tan with ironoxide staining. |
| BOTTOM OF BORING AT 52 FEET | | | | | | | |
| -45 | 55 | | | | | | |
| -50 | 60 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

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|---|--|
| Site: Fields Point, Providence, RI Client: Algonquin LNG, Inc. Coordinates: N 528.49 W 1078.95 Groundwater Depth: 7 ft Contractor: American Drilling | Logged by: R.T. DeConto Date Start - Finish: 10/26/95 - 10/27/95 Ground Elevation: 9.755 ft Total Depth Drilled: 74 ft Rig Type: CME-75 |
|---|--|

Methods:
 Drilling Soil: 4.25" hollow-stem augers
 Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
 Drilling Rock: None

Casing Used: None

Comments: Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------------|--|
| | | Type | No. | | | | |
| 9.8 | 0 | | | | | SP-SM | FILL: Silty Sand, 10-30% gravel to 1 1/2", fine to coarse sand, mostly fine, 5-10% nonplastic fines, dry, dark brown. |
| | | S | 1 | 4-5-6-8 (9.0") | 11 | SP-SM SM | S-1A (Top 4"): Similar to above, medium dense. S-1B (Bot. 5"): Silty sand, 5-10% subangular gravel to 1 1/2", fine to coarse sand, mostly fine, 10-20% nonplastic fines, medium dense, damp, brown. |
| 5 | 5 | S | 2 | 7-5-4-2 (10.0") | 9 | SP-SM | S-2: Sand, 5-15% fine gravel (some slag), coarse to fine sand, mostly fine, 10-15% nonplastic fines, loose, moist, dark, brown, oily with hydrocarbon odor. |
| | | S | 3 | 7-6-5-5 (4.0") | 11 | SP-SM | S-3: Similar to S-2, except very oily and gray, wet. |
| | | S | 4 | 4-6-4-5 (8.0") | 10 | GW-GM | S-4: Sandy gravel, widely graded, elongate subrounded gravel to 1 1/4", 30-40% mostly fine, sand, 5-10% nonplastic fines, loose, wet, light gray, very oily, strong hydrocarbon odor. |
| 0 | 10 | S | 5 | 3-3-3-5 | 6 | SW-SM | S-5: Gravelly sand, widely graded, 25-30% flat, elongate and subangular to subrounded gravel to 1 1/2", 5-10% nonplastic fines, loose, wet, brown gray, hydrocarbon odor. |
| | | S | 6 | 4-3-4-2 | 7 | SP | S-6: Gravelly sand, poorly graded, 10-20% subrounded gravel to 1 1/2", fine to coarse sand, mostly medium to fine, loose, wet, dark gray, hydrocarbon odor. |
| -5 | 15 | S | 7 | 1-1-1-3 (12.0") | 2 | SP-SM ML | S-7A (Top 4"): Sand, 10-20% fine gravel, coarse to fine sand, mostly fine, 5-10% nonplastic fines, very loose, wet, dark gray, hydrocarbon odor, transitions to fine sand. S-7B (Bot. 8"): Silt, moderately plastic, <5% fine gravel, <5% coarse to fine sand, very soft to soft, wet, black, dilatant, shells. |
| | | S | 8 | 4-6-6-9 (18.0") | 12 | SP-SM ML | S-8A (Top 8"): Sand, <5% gravel to 1 1/2", coarse to fine sand, 5-10% nonplastic fines, medium dense, wet, mottled (light gray and brown); and Silty sand, uniform, fine, 30-40% nonplastic fines, black. S-8B (Bot. 10"): Silt, slightly plastic, <5% sand, stiff, wet, mottled (gray and light brown). |
| -10 | 20 | S | 9 | 5-8-9-9 (14.0") | 17 | SP-SM ML SP-SM | S-9A (Top 2"): Similar to S-7A, except medium dense. S-9B (Mid. 6"): Silt, slightly to nonplastic, medium dense, wet, mottled (brown and olive gray), ironoxide staining, hydrocarbon odor. |
| | | S | 10 | 3-5-8-10 (14.0") | 13 | SM ML SP | S-9C (Bot. 6"): Sand, uniform, medium to fine, 5-10% nonplastic fines, medium dense, wet, gray, micaceous. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
 S = Standard split-spoon

| | |
|------------------------|------------------|
| Approved DRB | Date 04/05/96 |
|------------------------|------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|-------------|--|
| | | Type | No. | | | | |
| -15 | 25 | S | 11 | 8-13-11-11 (14.0") | 24 | SW-SM ML | S-10A (Top 7"): Silty sand, widely graded, 5-10% subangular gravel to 3/4", fine to coarse sand, mostly medium, 20-30% nonplastic fines (mostly in lenses), medium dense, wet, dark gray, hydrocarbon odor. S-10B (Mid. 4"): Silt, nonplastic to slightly plastic, 5-15% fine sand, olive gray. S-10C (Bot. 3"): Gravelly sand, widely graded, 10-20 subangular to rounded gravel to 3/4", fine to coarse mostly medium sand, dark gray, oily hydrocarbon odor. S-11A (Top 8"): Sand, widely graded, 5-10% subrounded to subangular fine gravel, 5-15% nonplastic fines, medium dense, wet, mottled (dark and light gray and brown). S-11B (Bot. 6"): Sandy silt, slightly plastic, 10-20% fine sand, very stiff, wet, light brown; pockets of black sandy silt, slightly plastic. |
| -20 | 30 | S | 12 | 7-7-10-13 (12.0") | 17 | SW-SM ML | S-12A (Top 2"): Gravelly sand, widely graded, 10-15% subrounded gravel to 1", fine to coarse sand, 5-10% slightly plastic fines, medium dense, wet, dark olive gray. S-12B (Bot. 10"): Sandy silt, nonplastic to slightly plastic, 10-20% fine sand (mostly in occasional lenses), medium dense, wet, mottled (light olive brown, light red-brown), ammonia odor. |
| -25 | 35 | S | 13 | 5-7-10-16 | 17 | | S-13: No recovery. |
| -28 | 38 | S | 14 | PUSH (12.0") | | SM | S-14: Silty sand, <5% fine gravel, fine to coarse sand, mostly medium to fine, 10-20% nonplastic fines, wet, dark gray; elongate gravel to 2" in spoon, silty on bottom. |
| -30 | 40 | S | 15 | 6-8-7-12 (14.0") | 15 | SM | S-15: Silty sand, uniform, fine, 20-40% nonplastic fines, medium dense, wet, light brown, ammonia odor. |
| -35 | 45 | S | 16 | 8-10-13-16 (20.0") | 23 | SM | S-16: Similar to S-15, except light yellow-brown, one 3/4" subrounded piece of gravel, no odor. |
| -40 | 50 | S | 17 | 8-10-11-14 (12.0") | 21 | SM SP-SM | S-17A (Top 4"): Silty sand, uniform, fine, <5% gravel to 1 1/2", <5% medium to coarse sand, 20-30% nonplastic to slightly plastic fines, medium dense, wet, mottled (yellow brown and gray.) S-17B (Bot. 8"): Sand, uniform, fine, 5-10% nonplastic fines, medium dense, wet, dark olive gray to brown, more olive at bottom. |
| -45 | 55 | S | 18 | 8-10-13-16 (14.0") | 23 | SP-SM | S-18: Sand, uniform, fine, 5-10% nonplastic fines, medium dense, wet, olive gray to brown, hydrocarbon odor. |
| -50 | 60 | S | 19 | 17-11-13-16 (15.0") | 24 | SP-SM | S-19: Sand, uniform, fine, 5-15% nonplastic fines, medium dense, wet, olive brown; occasional lenses of dark gray sandy silt. |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRS

Date
04/05/96

Logged by: R.T. DeConto

Site: Fields Point, Providence, RI

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -55 | 65 | S | 20 | 9-12-14-18 (16.0") | 26 | SP-SM | S-20: Sand, uniform, fine to medium, 5-10% nonplastic fines, medium dense, wet, dark olive gray, hydrocarbon odor. Note: Change in strata noted by driller; rig shaking at 68". |
| -60 | 70 | S | 21 | 27-21-21-22 | 42 | | S-21: No recovery. |
| | | S | 22 | PUSH (8.0") | | SP-SM | S-22: Gravelly sand, 10-20% rounded to subrounded fine gravel, fine to medium sand, mostly fine, 5-15% nonplastic fines, wet, olive gray. BOTTOM OF HOLE AT 74 FEET |
| -65 | 75 | | | | | | |
| -70 | 80 | | | | | | |
| -75 | 85 | | | | | | |
| -80 | 90 | | | | | | |
| -85 | 95 | | | | | | |
| -90 | 100 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 546.86 W 969.99
Groundwater Depth: 7 ft
Contractor: American Drilling

Logged by: R.T. DeConto
Date Start - Finish: 10/30/95 - 10/30/95
Ground Elevation: 10.272 ft
Total Depth Drilled: 72 ft
Rig Type: CME-75

Methods: Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Groundwater depth as noted during drilling. WOR = Weight of Rods.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|---------------------------|-------------|-------------|--|
| | | Type | No. | | | | |
| 10.3 | 0 | | | | | | Augered to 4' in previously drilled post hole. Fill: Similar to S-1, below. |
| | 5 | S | 1 | 8-10-12-8 | 22 | SW-SM | S-1: Gravelly sand, widely graded, 15-25% subrounded gravel to 1 1/2" max., fine to coarse sand, 5-10% nonplastic fines, medium dense, moist, mottled (brown-gray and yellow-orange), plant material, concrete debris. |
| | | S | 2 | 5-2-2-3 | 4 | | S-2: No recovery. |
| | | S | 3 | WOR/6" -1/10" | 1 | | Augered to 8'. S-3: No recovery. |
| | 10 | S | 4 | WOR/12" -1-1 (3.0") | 1 | SP-SM | S-4: Sand, <5% fine gravel, mostly medium to fine subrounded sand, 5-10% nonplastic fines, very loose, wet, medium gray, slight hydrocarbon odor; possibly wash. |
| | | S | 5 | 3*-4* -2*-3* (4.0") | 6* | SP-SM | S-5: Similar to S-4, possibly wash: overdrive from 10-14' with 3" spoon to try to collect some sample. |
| | 15 | S | 6 | 3-2-1-2 (7.0") | 3 | SP-SM | S-6: Sand, 5-10% subrounded gravel to 3/4", fine to coarse sand mostly fine, 5-10% nonplastic fines, very loose, wet, olive gray, becomes dark at bottom possibly due to organics? |
| | | S | 7 | 4-6-6-8 (24.0") | 12 | SP-SM ML | S-7A (Top 7"): Similar to S-6, except medium dense, grades into silt. S-7B (Bot. 17"): Silt, slightly plastic, 5-10% gravel to 3/4", stiff, wet, olive to yellow green; 2" black organic silt layer. |
| | | S | 8 | 5-4-5-6 (10.0") | 9 | SP ML | S-8A (Top 3"): Sand, poorly graded, fine to coarse, mostly medium, loose, wet, dark olive gray. S-8B (Bot. 7"): Silt, slightly plastic, <5% sand, stiff, wet, mottled (light olive and tan). |
| | 20 | S | 9 | 4-7-7-12 (17.0") | 14 | SP SP-ML | S-9A (Top 6"): Similar to S-8A, except medium dense. S-9B (Bot. 11"): Silt interbedded with sand layers; silt similar to S-8B, sand similar to S-8A. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

- Sample Type:
S = Standard split-spoon
U = Undisturbed tube

Approved: DRB Date: 04/05/96

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|---|
| | | Type | No. | | | | |
| | | S | 10 | 5-5-6-8 (24.0") | 11 | SP-SM | S-10: Sand, <5% subrounded gravel to 1/2", fine to medium sand mostly medium sand, 5-10% nonplastic fines (more fines bottom 10"), medium dense, wet, medium gray brown, becomes olive brown for bottom 10". |
| -15 | 25 | S | 11 | 5-5-6-8 (17.0") | 11 | SP-SM ML | S-11A (Top 3"): Sand, poorly graded, fine to coarse, mostly medium, 5-8% nonplastic fines, medium dense, wet, dark gray, sharp contact with silty sand below. S-11B (Bot. 14"): Sandy silt, nonplastic to slightly plastic, 15-20% fine sand, medium dense, yellow-brown with darker lenses. |
| -20 | 30 | S | 12 | 5-6-6-8 (15.0") | 12 | ML | S-12: Sandy silt, nonplastic to slightly plastic, 10-30% fine sand (mostly in irregular 1/2" to 2" lenses), medium dense, wet, tan to light olive, occasional black partings; strong ammonia odor. Strong Ammonia odor |
| -25 | 35 | S | 13 | 5-6-7-9 (17.0") | 13 | ML | S-13: Similar to S-12, except 10-20% fine sand. |
| -30 | 40 | S | 14 | 12-12-16-14 (13.0") | 28 | SP ML SW | S-14A (Top 4"): Sand, uniform, fine, <5% nonplastic fines, medium dense, wet, medium gray; possibly wash. S-14B (Mid. 3"): Silt, slightly plastic, 10-15% fine sand, very stiff, wet, mottled (tan and olive). S-14C (Bot. 6"): Gravelly sand, well-graded, subrounded gravel to 1", fine to coarse sand, <5% nonplastic fines, medium dense, wet, medium gray. |
| -35 | 45 | S | 15 | 12-11-14-16 (3.0") | 25 | SP-SM | S-15: Gravelly sand, subangular to subrounded gravel to 3/4", fine to coarse sand, mostly fine, 10-15% slightly plastic fines, medium dense, wet, gray olive; fines mostly in 1 1/2" lenses at top of sample; ammonia and hydrocarbon odor. |
| | | S | 16 | 8-8-12-14 | 20 | SP | S-16: Sand, uniform, fine, <5% nonplastic fines (mostly at bottom), medium dense, wet, medium olive and dark olive with black lenses. |
| -40 | 50 | S | 17 | 10-10-13-16 | 23 | SP-SM | S-17: Similar to S-15, except fines mostly in lenses, dark olive gray; hydrocarbon odor. |
| -45 | 55 | S | 18 | 9-11-13-16 (12.0") | 24 | SP | S-18: Sand, uniform, fine, <5% nonplastic fines, medium dense, wet, light to medium olive gray, hydrocarbon odor. |
| -50 | 60 | S | 19 | 7-10-15-23 (18.0") | 25 | | S-18: Sand, uniform, fine, <5% nonplastic fines, medium dense, wet, medium olive gray, hydrocarbon odor. |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------------------------|---------------|--------|-----|--------------------------------|-------------------|---------------|---|
| | | Type | No. | | | | |
| -55 | 65 | S | 20 | 11-14-20- 22 (19.0") | 34 | | S-20: Sand, uniform, fine, subrounded, <5% nonplastic fines, dense, wet, medium brown gray (slightly reddish hue), hydrocarbon odor. |
| -60 | 70 | S | 21 | 11-14-17- 16 (18.0") | 31 | | S-21: Sand, uniform, fine, <5% flat, rounded gravel to 1/2", <5% nonplastic fines, dense, wet, medium olive gray to brown gray at bottom of sample, hydrocarbon odor. |
| BOTTOM OF BORING AT 72 FEET | | | | | | | |
| -65 | 75 | | | | | | |
| -70 | 80 | | | | | | |
| -75 | 85 | | | | | | |
| -80 | 90 | | | | | | |
| -85 | 95 | | | | | | |
| -90 | 100 | | | | | | |

| | |
|--|--|
| Site: Fields Point, Providence, RI Client: Algonquin LNG, Inc. Coordinates: N 578.34 W 1135.37 Groundwater Depth: 5 ft Contractor: American Drilling | Logged by: R.T. DeConto Date Start - Finish: 11/01/95 - 11/01/95 Ground Elevation: 9.723 ft Total Depth Drilled: 72 ft Driller: R. Leger Rig Type: CME-75 |
|--|--|

Methods: Casing Used: None
 Drilling Soil: **4.25" hollow-stem augers**
 Sampling Soil: **Standard split-spoon sampler driven using a CME automatic SPT hammer**
 Drilling Rock: **None**

Comments: **Groundwater depth as noted during drilling. WOR = Weight of Rods.**

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|---|
| | | Type | No. | | | | |
| 9.7 | 0 | | | | | | Post hole to 4'. Fill: Gravelly sand, medium to fine sand, pieces of coke to 5", dry to damp, dark brown. |
| | 5 | S | 1 | 3-3-3-6 (10.0") | 6 | SP-SM | S-1: Gravelly sand, widely graded, 15-25% subrounded gravel to 1 1/2" max., fine to coarse sand, mostly fine, 5-10% nonplastic fines, saturated, gray brown, strong hydrocarbon odor. |
| | | S | 2 | 7-23-8-8 (9.0") | 31 | SP-SM | S-2: Sand, fine to medium, mostly fine, 10-15% nonplastic fines, dense, dark olive gray, strong hydrocarbon odor. (Did not collect sample too oily) |
| | | S | 3 | 12-4-4-5 (2.0") | 8 | SP-SM | S-3: Sand, fine to coarse, mostly medium, 5-10% nonplastic fines, loose, dark olive gray, strong hydrocarbon odor. |
| | 10 | S | 4 | 3-4-4-5 (6.0") | 8 | GW-GM | S-4: Sandy gravel, widely graded, elongate subrounded gravel to 3/4", 30-40% fine to coarse sand, 5-10% nonplastic fines, loose, dark olive gray, strong hydrocarbon odor. |
| | | S | 5 | 3-2-1-1 (6.0") | 3 | GW-GM | S-5: Sandy gravel, widely graded, elongate subrounded gravel to 1", 30-40% fine to coarse sand, 5-10% nonplastic fines, very loose, dark olive gray, wood fibers. |
| | 15 | S | 6 | 2-1-1-2 (2.0") | 2 | SP-SM | S-6: Sand, fine to coarse, mostly fine, 10-15% nonplastic fines, very loose, dark gray, strong oily sheen; organic silt in tip of spoon. |
| | | S | 7 | 3-2-1-1 (17.0") | 3 | SP-SM | S-7A (Top 8"): Sand, 5-10% subrounded gravel to 1" max., fine to coarse sand, 10-15% nonplastic fines, very loose, dark olive with black organic silt lenses. |
| | | S | 8 | WOR-1-2 (11.0") | 2 | ML | S-7B (Bot. 9"): Organic silt, slightly plastic, 5-10% fine to coarse sand, soft, black, some shells. |
| | 20 | S | 9 | 2-4-5-6 (10.0") | 9 | SM | S-8: Silty sand, widely graded, <5% subrounded gravel to 1/2", fine to coarse sand, mostly medium, 10-30% organic silt (mostly towards bottom of sample), very loose, dark gray to black. S-9: Silty sand, <5% gravel to 1/2", fine to coarse sand, 10-30% slightly plastic organic silt (mainly in bottom 4" of sample), loose, dark olive, occasionally black in silt lenses, trace shells in silt lenses, organic hydrocarbon odor. |

Legend/Notes

- Datum is NGVD 1929.
- indicates groundwater level.
- indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

· Sample Type:
 S = Standard split-spoon
 U = Undisturbed tube

| | |
|------------------------|-------------------------|
| Approved DRB | Date 04/05/96 |
|------------------------|-------------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|--|
| | | Type | No. | | | | |
| | | S | 10 | 3-3-5-6 (23.0") | 8 | SM | S-10: Silty sand, 5-10% subrounded gravel to 1/2" (more gravel in top 13"). fine to coarse sand, mostly fine, 10-30% slightly plastic organic silt, loose, dark olive. some wood fibers in silt lenses. |
| -15 | 25 | S | 11 | 2-2-4-4 (22.0") | 6 | SM | S-11: Similar to S-10. |
| -20 | 30 | S | 12 | 13-11-16-18 (22.0") | 27 | ML SW ML | S-12A (Top 3"): Organic silt, slightly plastic, 5-10% gravel to 1/2". <5% fine to coarse sand, very stiff, black. S-12B (Mid. 5"): Gravelly sand, widely graded, 20-30% gravel to 1/2", medium dense, dark olive. S-12C (Bot. 12"): Sandy silt, nonplastic, 10-30% fine sand, medium dense, tan. |
| -25 | 35 | S | 13 | 16-15-17-20 (17.0") | 32 | SP SW-SM | S-13A (Top 9"): Sand, poorly graded, fine to medium, mostly fine, <5% nonplastic fines, dense, dark olive gray; slight organic odor. S-13B (Bot. 8"): Gravelly sand, widely graded, subangular gravel to 1 3/4", fine to coarse sand, mostly fine, 5-10% nonplastic fines, dense, light brown. |
| -30 | 40 | S | 14 | 15-23-28-20 (4.0") | 51 | GW-GM | S-14: Sandy gravel, widely graded, elongate subangular gravel to 1 1/2", 20-30% mostly fine sand, 5-10% nonplastic fines, very dense, dark olive. |
| -35 | 45 | S | 15 | 4-4-6-8 (14.0") | 10 | SW-SM SP-SM | S-15A (Top 5"): Gravelly sand, widely graded, 25-35% subrounded gravel to 1 1/2", fine to coarse sand, 10-15% slightly plastic fines in pockets, loose to medium dense, brown to dark olive. S-15B (Bot. 9"): Sand, uniform, fine (coarser at bottom of sample), 5-10% nonplastic fines, loose to medium dense, medium olive. |
| -40 | 50 | S | 16 | 11-11-12-11 (2.0") | 23 | SW-SM | S-16: Similar to S-15A. |
| | | S | 17 | 9-11-8-13 (16.0") | 19 | SW-SM SP-SM | S-17A (Top 4"): Gravelly sand, widely graded, 15-20% subangular gravel to 3/4", 10-15% slightly plastic fines, medium dense, medium gray brown. S-17B (Bot. 11"): Sand, uniform, fine, 5-10% nonplastic fines, medium dense, medium olive. |
| -45 | 55 | S | 18 | 16-15-16-18 (15.0") | 31 | SW SM | S-18A (Top 5"): Gravelly sand, well-graded, 15-25% elongate subrounded gravel to 2", fine to coarse sand, mostly fine, <5% nonplastic fines, dense, medium olive gray. S-18B (Bot. 10"): Silty sand, uniform, fine, 10-15% nonplastic fines, dense, medium olive. |
| -50 | 60 | S | 19 | 14-19-24-25 (14.0") | 43 | SP-SM | S-19: Sand, 5-10% subangular gravel to 1", fine to coarse sand, mostly fine, 5-10% nonplastic fines in pockets, dense, medium olive with darker bands. |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Logged by: R.T. DeConto

Site: Fields Point, Providence, RI

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|--|
| | | Type | No. | | | | |
| -55 | 65 | S | 20 | 18-19-22- 24 (2.0") | 41 | SP-SM | S-20: Sand, <5% subrounded gravel to 1/2", fine to coarse sand, mostly fine, 5-15% slightly plastic fines, dense, dark olive. |
| -60 | 70 | S | 21 | 6-9-13-14 (11.0") | 22 | SP-SM SW-SM | S-21A (Top 4"): Similar to S-20, except mostly medium sand, slight hydrocarbon odor. S-21B (Bot. 7"): Gravelly sand, widely graded, 20-30% subrounded gravel to 1", fine to coarse sand, 5-10% nonplastic fines, medium dense, gray, slight hydrocarbon odor. |
| -65 | 75 | | | | | | |
| -70 | 80 | | | | | | |
| -75 | 85 | | | | | | |
| -80 | 90 | | | | | | |
| -85 | 95 | | | | | | |
| -90 | 100 | | | | | | |

BOTTOM OF BORING AT 72 FEET

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

| | | |
|--|-------------------|--|
| Stone & Webster Engineering Corporation | BORING LOG | Boring SWBL-9 J.O. 05885.20 Sheet 1 of 1 |
|--|-------------------|--|

| | |
|-------------------------------------|--|
| Site: Fields Point, Providence, RI | Logged by: A.C. Smith |
| Client: Algonquin LNG, Inc. | Date Start - Finish: 11/06/95 - 11/06/95 |
| Coordinates: N 287.65 W 397.92 | Ground Elevation: 10.251 ft |
| Groundwater Depth: 7 ft | Depth to Bedrock: |
| Contractor: American Drilling | Driller: R. Leger |
| | Total Depth Drilled: 9 ft |
| | Rig Type: CME-75 |

Methods: Casing Used: None

Drilling Soil: 4.25" hollow-stem augers

Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer

Drilling Rock: None

Comments: Moved approximately 40' south to avoid apparent concrete slab from former building #10.
Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|--|
| | | Type | No. | | | | |
| 10.3 | 0 | | | | | | 0-1.5': Pea gravel and coarse sand. 0.5'-3.5': Silty sand, widely graded, 5-15% gravel, 5-15% nonplastic fines, dark brown. |
| | 5 | S | 1 | 12-5-2-2 (12.0") | 7 | | S-1A (Top 5"): Similar to above. S-1B (Bot. 7"): Broken brick and concrete. |
| | 5 | S | 2 | 8-8-12-16 (10.0") | 20 | | S-2: Broken brick and concrete. |
| | 5 | S | 3 | 7-6-5/5* (9.0") | > 11 | | S-3A (Top 4"): Similar to S-2. S-3B (Bot. 5"): Wood. |
| | 10 | | | | | | Hit obstruction at 9 feet: appears to be old concrete floor of building #10. Moved 3 feet north, hit obstruction at 9 feet. Moved 25 and 30 feet south, hit obstruction. Moved 40 feet south and continued drilling. |
| | 15 | | | | | | |
| | 20 | | | | | | |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

| | |
|-----------------|------------------|
| Approved DPS | Date 04/05/96 |
|-----------------|------------------|

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 327.65 W 397.92
Groundwater Depth:
Contractor: American Drilling

Logged by: A.C. Smith
Date Start - Finish: 11/06/95 - 11/06/95
Ground Elevation: 10.251 ft
Total Depth Drilled: 62 ft
Rig Type: CME-75

Methods:
Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None

Casing Used: None

Comments: Groundwater depth as noted during sampling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|-------------|--|
| | | Type | No. | | | | |
| 10.3 | 0 | | | | | | |
| | 5 | | | | | | |
| | 10 | S | 4 | 3-3-6-7 (11.0") | 9 | GP-GM | S-4: Sandy gravel, subrounded, fine, 30-40% coarse to fine sand, 5-15% slightly plastic fines, loose, gray-brown, strong hydrocarbon odor. |
| | 15 | S | 5 | 12-14-7-8 (5.0") | 21 | GP-GM | S-5: Similar to S-4, except medium dense. |
| | 20 | S | 6 | 2-2-7-9 (12.0") | 9 | GP-GM | S-6: Similar to S-4. |
| | 25 | S | 7 | 7-8-13-20 (12.0") | 21 | GP-GM | S-7: Similar to S-4, except medium dense. |
| | 30 | S | 8 | 8-7-9-11 (16.0") | 16 | GM ML-GP | S-8A (Top 2"): Similar to S-4. S-8B (Bot. 14"): Silt, nonplastic, 15-25% fine sand, medium dense, brown; one slightly plastic layer 2" thick. |
| | 35 | S | 9 | 6-5-6-8 (16.0") | 11 | SP-SM ML | S-9A (Top 10"): Sand, medium to fine, 5-10% nonplastic fines, medium dense, brown; S-9B (Bot. 6"): Silt, nonplastic, 15-25% fine sand, medium dense, brown. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

| | |
|-----------------|------------------|
| Approved DRB | Date 04/05/96 |
|-----------------|------------------|

Site: Fields Point, Providence, RI

Logged by: A.C. Smith

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -15 | 25 | S | 10 | 5-7-7-7 (16.0") | 14 | ML | S-10: Silt, nonplastic, 15-25% fine sand, medium dense, brown. |
| -20 | 30 | S | 11 | 5-6-6-9 (18.0") | 12 | ML | S-11: Similar to S-10. |
| -25 | 35 | S | 12 | 20-16-14- 12 (11.0") | 30 | SP-SM | S-12A (Top 1"): Similar to S-10. S-12B (Bot. 15"): Gravelly sand, widely graded, 15-25% fine gravel, 5-15% nonplastic fines, medium dense, gray. |
| -30 | 40 | S | 13 | 7-10-13- 19 (11.0") | 23 | SP | S-13: Sand, medium to fine, <10% nonplastic fines, medium dense, gray. |
| -35 | 45 | S | 14 | 19-14-23- 25 (14.0") | 37 | SM SW-SM | S-14A (Top 10"): Silty sand, fine, 10-20% nonplastic fines, dense, brown. S-14B (Bot. 4"): Gravelly sand, widely graded, 35-45% fine gravel, 5-15% nonplastic fines, dense, gray. Note: Very gravelly while augering from 47 to 50 feet. |
| -40 | 50 | S | 15 | 28-32-36- 42 (20.0") | 68 | SW | S-15: Gravelly sand, widely graded, 35-45% fine gravel, <10% nonplastic fines, very dense, gray. |
| -45 | 55 | S | 16 | 37-38-44- 45 (17.0") | 82 | SW | S-16: Similar to S-15. |
| -50 | 60 | S | 17 | 28-17-14- 22 | 31 | SW | S-17: Similar to S-15. |

BOTTOM OF BORING AT 62 FEET

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 356.88 W 938.96
Groundwater Depth: 7 ft
Contractor: American Drilling

Logged by: R.T. DeConto
Date Start - Finish: 10/25/95 - 10/25/95
Ground Elevation: 10.693 ft
Total Depth Drilled: 62 ft
Rig Type: CME-75

Methods: Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Groundwater depth as noted during drilling

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|---|
| | | Type | No. | | | | |
| 10.7 | 0 | | | | | | Augered to 4'. Fill: Gravelly sand, widely graded, 10-20% subrounded gravel to 2", fine to medium sand, mostly fine, 10-15% nonplastic fines, loose, damp, dark brown, organics. |
| | 5 | S | 1 | 6-1-7-3 | 8 | SM | S-1: Silty sand, widely graded, 10-15% subangular gravel to 3/4", 10-20% nonplastic fines, loose, damp, tan and orange mottled, wood on bottom of spoon tip. |
| | | S | 2 | 3-2-3-4 (14.0") | 5 | SM | S-2: Silty sand, widely graded, 5-10% subangular gravel, coarse to fine sand, mostly fine, 10-15% nonplastic fines, loose, saturated, tan, becomes oily and black at bottom 10". |
| | | S | 3 | 2-3-3-5 (14.0") | 6 | SP-SM | S-3: Sand, uniform, fine, 5-10% nonplastic fines (more silt at bottom of sample), loose, black; worm borrows; wood fibers at top of sample; oily top 4" of sample, organic odor. |
| | 10 | S | 4 | 2-3-4-7 (18.0") | 7 | SM | S-4: Silty sand, uniform, fine, 10-15% nonplastic fines, loose, dark olive to black; occasional silt lenses to 2"; organic odor, possibly hydrocarbons. |
| | | S | 5 | 8-7-8-9 (16.0") | 15 | SM | S-5A (Top 4"): Similar to S-4, except medium dense, oily and strong hydrocarbon odor. S-5B (Bot. 12"): Silty sand, uniform, fine, 10-20% nonplastic fines, medium dense, tan. |
| | 15 | S | 6 | 8-8-9-10 (19.0") | 17 | ML | S-6: Sandy silt, nonplastic, 10-20% fine sand, medium dense, tan, wood fibers on top of sample, hydrocarbon odor. |
| | -5 | S | 7 | 9-10-10-10 (17.0") | 20 | SM | S-7: Similar to S-5B, except 20-30% nonplastic fines, becoming more silty towards bottom of sample. |
| | | S | 8 | 3-5-5-9 (14.0") | 10 | SM | S-8: Silty sand, uniform, fine, 10-20% nonplastic fines, loose, to medium dense, light brown. |
| | 20 | S | 9 | 5-7-8-13 | 15 | SM | S-9: Silty sand, uniform, fine, 10-30% nonplastic fines, medium dense, light gray brown, becomes more silty towards bottom of sample, trace organic matter. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

| | |
|-----------------|------------------|
| Approved DVB | Date 04/05/96 |
|-----------------|------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|----------------|---|
| | | Type | No. | | | | |
| -15 | 25 | S | 10 | 3-4-9-10 (16.0") | 13 | SP-SM | S-10: Sand, rounded to subrounded, fine to medium, mostly medium, 5-10% nonplastic fines, medium dense, black due to oily coating, possible hydrocarbons (strong odor). |
| -20 | 30 | S | 11 | 5-8-13-14 (15.0") | 21 | SP | S-11: Sand, poorly graded, rounded to subrounded, fine to medium, mostly medium, <5% nonplastic fines, medium dense, dark olive gray, hydrocarbon odor. |
| -25 | 35 | S | 12 | 6-8-12-14 (14.0") | 20 | SP-SM | S-12: Sand, uniform, subrounded to rounded, fine, 5-10% nonplastic fines, medium dense, dark olive gray, hydrocarbon odor; becomes more silty at bottom of sample. |
| -30 | 40 | S | 13 | 24-32-37-23 (14.0") | 69 | SP-SM GW-GM | S-13A (Top 6"): Similar to S-12. S-13B (Bot. 8"): Sandy gravel, widely graded, subangular to subrounded gravel to 1 1/2", 10-20% fine to coarse sand, 10-20% slightly plastic fines (mainly in pockets), very dense, mottled (dark gray green and orange). |
| -35 | 45 | S | 14 | 21-27-30-33 (14.0") | 57 | GW-GM | S-14: Sandy gravel, widely graded, subangular to subrounded to 1 1/2", 15-20% fine to coarse sand, mostly fine, 10-15% slightly plastic fines (mainly in pockets), very dense, dark olive gray with orange iron oxide staining. |
| -40 | 50 | S | 15 | 17-11-13-16 | 24 | SP-SM | S-15: Gravelly sand, widely graded, subangular to subrounded and flat gravel to 1", fine to coarse sand, mainly fine, 5-10% nonplastic fines, medium dense, light yellow brown, hydrocarbon odor. |
| -45 | 55 | S | 16 | 10-17-9-8 (6.0") | 26 | SP-SM | S-16: Similar to S-15, except gray olive. |
| | | S | 17 | 5-7-9-13 | 16 | | S-17: No recovery. |
| -50 | 60 | S | 18 | 4-6-12-15 | 18 | | S-18: No recovery. |

BOTTOM OF BORING AT 62 FEET

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

| | |
|---|---|
| Site: Fields Point, Providence, RI Client: Algonquin LNG, Inc. Coordinates: N 326.35 W 738.33 Groundwater Depth: Contractor: American Drilling | Logged by: A.C. Smith Date Start - Finish: 10/19/95 - 10/19/95 Ground Elevation: 11.978 ft Total Depth Drilled: 18 ft Rig Type: CME-75 |
|---|---|

Methods: Casing Used: None
 Drilling Soil: **4.25" hollow-stem augers**
 Sampling Soil: **Standard split-spoon sampler driven using a CME automatic SPT hammer**
 Drilling Rock: **None**

Comments: **Observation well installed by resource. Groundwater depth as noted during drilling.**

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|--|
| | | Type | No. | | | | |
| 12.0 | 0 | | | | | | |
| | 10 | S | 1 | 17-24-28-26 (14.0") | 52 | SW-SM | S-1: Gravelly sand, widely graded, 20-30% subangular gravel to 1.5", 5-15% nonplastic fines, very dense, damp, brown. |
| | 5 | S | 2 | 10-16-17-19 (5.0") | 33 | SW-SM | S-2: Similar to S-1, except dense. |
| | 5 | S | 3 | 20-28-17-15 (8.0") | 45 | SW-SM | S-3: Similar to S-1, except dense. |
| | 10 | S | 4 | 8-10-11-11 (10.0") | 21 | GP-GM | S-4: Sandy gravel, subrounded to 1", 10-20% fine to coarse sand, 5-10% nonplastic fines, medium dense, saturated, brown. |
| | 0 | S | 5 | 5-8-10-13 (9.0") | 18 | GP-GM | S-5: Similar to S-4. |
| | 15 | S | 6 | 9-10-13-13 (11.0") | 23 | GP-GM | S-6: Similar to S-4. |
| | 15 | S | 7 | 5-8-9-9 (5.0") | 17 | SW-SM | S-7: Gravelly sand, widely graded, 10-20% subrounded gravel to 1.5", fine to coarse sand, 5-15% nonplastic fines, medium dense, brown. |
| | -5 | S | 8 | 8-12-9-11 (10.0") | 21 | SW-SM | S-8: Similar to S-7. |
| | 20 | | | | | | BOTTOM OF BORING AT 18 FEET |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
 S = Standard split-spoon

| | |
|------------------------|-------------------------|
| Approved DRB | Date 04/05/96 |
|------------------------|-------------------------|

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 326.35 W 741.33
Groundwater Depth:
Contractor: American Drilling

Logged by: A.C. Smith
Date Start - Finish: 10/20/95 - 10/20/95
Ground Elevation: 11.978 ft
Total Depth Drilled: 42 ft
Rig Type: CME-75
Depth to Bedrock:
Driller: R. Leger

Methods:
Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Moved 3 ft. east of SWBL-11. Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|---|
| | | Type | No. | | | | |
| 12.0 | 0 | | | | | | |
| 10 | | | | | | | |
| | 5 | | | | | | |
| 5 | | | | | | | |
| | 10 | | | | | | |
| 0 | | | | | | | |
| | 15 | | | | | | |
| -5 | | | | | | | |
| | 20 | S | 9 | 5-8-9-14 (5.0") | 17 | SW-SM | S-9: Gravelly sand, widely graded, 10-20% subrounded fine gravel, fine to coarse sand, 5-15% nonplastic fines, medium dense, saturated, brown-gray. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

Approved
DRB

Date
04/05/96

Site: **Fields Point, Providence, RI**

Logged by: **A.C. Smith**

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|---|
| | | Type | No. | | | | |
| -10 | | | | | | | |
| | 25 | S | 10 | 32-21-13-15 (11.0") | 34 | | S-10: Similar to S-9, except dense. |
| -15 | | | | | | | |
| | 30 | S | 11 | 4-6-6-8 (12.0") | 12 | SM-ML | S-11: Silty sand, uniform, fine, 40-50% nonplastic fines, medium dense; stratified with sandy silt, nonplastic, 40-50% fine sand, brown and gray. |
| -20 | | | | | | | |
| | 35 | S | 12 | 4-8-12-13 (17.0") | 20 | SM | S-12: Silty sand, uniform, fine, 35-50% nonplastic fines, medium dense, brown; 2 1/4" thick layers of clay separated by a 1 1/2" silt layer. |
| -25 | | | | | | | |
| | 40 | S | 13 | 2-6-8-12 (16.0") | 14 | | S-13: Silty sand, uniform, fine, medium dense, brown; stratified with nonplastic silt layers to 1". |
| -30 | | | | | | | BOTTOM OF BORING AT 42 FEET |
| | | | | | | | |
| | 45 | | | | | | |
| -35 | | | | | | | |
| | 50 | | | | | | |
| -40 | | | | | | | |
| | 55 | | | | | | |
| -45 | | | | | | | |
| | 60 | | | | | | |
| -50 | | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI

Logged by: A.C. Smith

Client: Algonquin LNG, Inc.

Date Start - Finish: 10/20/95 - 10/20/95

Coordinates: N 317.54 W 511.62

Ground Elevation: 12.747 ft

Groundwater Depth:

Depth to Bedrock:

Total Depth Drilled: 52 ft

Contractor: American Drilling

Driller: R. Leger

Rig Type: CME-75

Methods:

Casing Used: None

Drilling Soil: 4.25" hollow-stem augers

Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer

Drilling Rock: None

Comments: Boring location moved 3' south, to avoid possible obstruction. Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|--|
| | | Type | No. | | | | |
| 12.7 | 0 | | | | | | 6" of crushed rock, 3/4" to 2" diameter. Fill: Silty sand, 10-20% fine gravel, fine to coarse sand, 10-20% nonplastic fines, damp, gray. |
| | 10 | S | 1 | 13-14-14-12 (23.0") | 28 | SM | S-1: Silty sand, widely graded, 5-15% fine gravel, 10-20% nonplastic fines, medium dense, damp, gray and black; hydrocarbon odor, fine sand size coal, brick pieces. |
| | 5 | S | 2 | 9-14-50/4" (16.0") | 64+ | SM | S-2: Similar to S-1. |
| | 5 | | | | | | Note: Concrete obstruction at 5'4", approximately 1 1/2' thick; augered 8" to clear pieces from under auger bit. |
| | 5 | S | 3 | 6-16-30-6 | 46 | | S-3: No recovery. |
| | 10 | S | 4 | 5-6-6-4 (17.0") | 12 | SM | S-4: Silty sand, poorly graded, 5-15% fine gravel, fine to coarse sand, mostly fine, medium dense, wet, gray; sample contaminated with oil. |
| 0 | | S | 5 | 7-9-9-8 (8.0") | 18 | ML | S-5: Sandy silt, nonplastic, 20-30% fine sand, medium dense, wet; contaminated with oil. |
| | 15 | S | 6 | 3-3-6-6 (14.0") | 9 | SP | S-6: Sand, poorly graded, mostly medium to fine, <10% nonplastic fines, loose, wet, gray; sample oily, hydrocarbon odor. |
| | | S | 7 | 8-6-6-8 (14.0") | 12 | SP | S-7: Similar to S-6, except medium dense. |
| -5 | | S | 8 | 6-2-4-4 (15.0") | 6 | SP | S-8: Similar to S-6, except mostly black, maybe sand size coal. |
| | 20 | S | 9 | 2-5-5-7 (16.0") | 10 | SM | S-9A (Top 8"): Similar to S-6. S-9B (Mid. 4"): Silty sand, uniform, fine, 35-50% nonplastic fines, loose to medium dense, wet, brown. S-9C (Bot. 4"): Sand, poorly graded, mostly fine to medium, <5% nonplastic fines, loose to medium dense, wet, black. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:

S = Standard split-spoon

Approved

DRB

Date

04/05/96

Site: Fields Point, Providence, RI

Logged by: A.C. Smith

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|---|
| | | Type | No. | | | | |
| -10 | | S | 10 | 5-8-8-8 (22.0") | 16 | SP | S-10: Similar to S-9C, except medium dense. |
| 25 | | S | 11 | 4-5-6-9 (12.0") | 11 | SP SW-SM | S-11A (Top 8"): Similar to S-10. S-11B (Bot. 4"): Gravelly sand, 5-15% subrounded fine gravel, fine to coarse sand, 5-15% nonplastic fines, medium dense, wet, brown. Note: Gravelly between 27'-30'. |
| -15 | | | | | | | |
| 30 | | S | 12 | 4-11-15-20 (20.0") | 26 | SP-SM | S-12: Sand, <5% fine gravel, fine to medium sand, 5-10% nonplastic fines, medium dense, wet, black; 3" thick layer of silty sand, uniform, fine; 10-20% nonplastic fines. |
| -20 | | | | | | | |
| 35 | | S | 13 | 8-11-21-22 (18.0") | 32 | SP-SM SM | S-13A (Top 12"): Similar to S-12, except dense. S-13B (Bot. 6"): Silty sand, uniform, fine, 15-25% nonplastic fines, dense, wet, gray-brown. |
| -25 | | | | | | | |
| 40 | | S | 14 | 6-12-14-18 (24.0") | 26 | SP | S-14: Sand, poorly graded, mostly fine to medium. <5% nonplastic fines, medium dense, wet, brown. |
| -30 | | | | | | | |
| 45 | | S | 15 | 9-9-12-19 (16.0") | 21 | SM | S-15: Silty sand, uniform, fine, 15-25% nonplastic fines, medium dense, wet, brown. |
| -35 | | | | | | | |
| 50 | | S | 16 | 10-12-14-16 | 26 | SM | S-16: Similar to S-15. |
| -40 | | | | | | | |
| 55 | | | | | | | |
| -45 | | | | | | | |
| 60 | | | | | | | |

BOTTOM OF BORING AT 52 FEET

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI

Client: Algonquin LNG, Inc.

Coordinates: N 419.28 W 1094.88

Groundwater Depth:

Contractor: American Drilling

Depth to Bedrock:

Driller: R. Leger

Logged by: R.T. DeConto

Date Start - Finish: 11/02/95 - 11/02/95

Ground Elevation: 10.47 ft

Total Depth Drilled: 52 ft

Rig Type: CME-75

Methods:

Casing Used: None

Drilling Soil: 4.25" hollow-stem augers

Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer

Drilling Rock: None

Comments: Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|--|
| | | Type | No. | | | | |
| 10.5 | 0 | | | | | | Post hole to 4', FILL. |
| 10 | | | | | | | |
| | 5 | S | 1 | 4-3-2-2 (14.0") | 5 | SW-SM | S-1: Gravelly sand, widely graded, 10-20% subangular gravel to 3/4", fine to coarse sand, 5-10% nonplastic fines, loose, damp, light brown, some roots, slight hydrocarbon odor, dark oily band at bottom of sample. |
| | | S | 2 | 3-4-4-6 (12.0") | 8 | SW-SM | S-2: Similar to S-1, except very oily, strong hydrocarbon odor, light gray bottom 4" of sample. |
| | | S | 3 | 4-4-5-7 (16.0") | 9 | SW-SM SP-SM | S-3A (Top 4"): Similar to S-2. S-3B (Bot. 12"): Silty sand, uniform, fine, 10-15% nonplastic fines, loose, light gray, very oily, hydrocarbon odor. Did not collect sample, too oily. |
| | 10 | S | 4 | 6-7-9-11 (17.0") | 16 | SP-SM | S-4: Sand, uniform, fine, <5% subrounded gravel to 1 1/2" (shale), 5-10% nonplastic fines, medium dense, gray brown, very oily, strong hydrocarbon odor. |
| | | S | 5 | 9-11-14- 15 (15.0") | 25 | SW-SM GW-GM | S-5A (Top 6"): Sand, fine to coarse, 5-10% nonplastic fines in lenses, medium dense, brown. S-5B (Bot. 9"): Sandy gravel, widely graded, subangular to subrounded to 1 1/2", fine to coarse sand, 5-15% nonplastic fines, medium dense, brown, strong hydrocarbon odor. |
| | 15 | S | 6 | 7-8-10-15 (8.0") | 18 | SP | S-6: Sand, poorly graded, 5-10% subrounded gravel to 1", fine to medium sand, mostly medium, medium brown, hydrocarbon odor. |
| -5 | | S | 7 | 15-9-6-4 (18.0") | 15 | SP | S-7: Similar to S-6. |
| | | S | 8 | 16-16-14- 16 (1.0") | 30 | SP | S-8: Sandy gravel, similar to S-5B. |
| -10 | 20 | S | 9 | 20-16-9-8 (5.0") | 25 | GP-GM | S-9: Sandy gravel, poorly graded, flat, subrounded gravel to 1 1/4", 15-20%, fine to coarse sand, 5-10% nonplastic fines, medium dense, light brown and black, hydrocarbon odor. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:

S = Standard split-spoon

Approved

DRB

Date

04/05/96

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N V a l u e | USC Symbol | Sample Description |
|--------------|---------------|-----------------------------|-----|--------------------------------|-----------------------------------|---------------|---|
| | | Type | No. | | | | |
| | | S | 10 | 9-7-7-8 (13.0") | 14 | SP-SM ML | S-10A (Top 9"): Sand, fine to coarse, mostly medium, 5-10% nonplastic fines, medium dense, black. S-10B (Bot. 4"): Silt, slightly plastic, 10-20% fine sand, stiff, tan, hydrocarbon odor. S-11: No recovery. |
| -15 | 25 | S | 11 | 7-10-10- 12 | 20 | | |
| | | S | 12 | 9-11-12-2 | 23 | | S-12: No recovery; 2" rounded cobble fragment in spoon tip. Note: Auger through cobbles and gravel from 24' to 28'. |
| | | S | 13 | 5-7-8-8 (18.0") | 15 | SP-SM ML | S-13A (Top 7"): Sand, fine to medium, mostly medium, 5-10% nonplastic fines, medium dense, medium olive, hydrocarbon odor. |
| -20 | 30 | S | 14 | 9-9-10-14 (16.0") | 19 | ML | S-13B (Bot. 11"): Sandy silt, nonplastic, 10-20% fine sand (mostly in lenses), stiff to very stiff, light olive, hydrocarbon odor. S-14: Similar to S-13B; fine sand interbedded in 1-2" layers. |
| -25 | 35 | S | 15 | 10-12-14- 14 (5.0") | 26 | SP-SM | S-15: Sand, fine to coarse, mostly fine, 5-10% nonplastic fines, medium dense, light olive, slight hydrocarbon odor; coarser sand in lenses. |
| -30 | 40 | S | 16 | 10-13-15- 18 | 28 | ML | S-16: Silt, slightly plastic, 5-10% fine sand, medium dense, light olive with black lenses, slight hydrocarbon odor. |
| -35 | 45 | S | 17 | 6-9-10-11 (20.0") | 19 | ML | S-17: Silt, slightly plastic, 5-10% fine sand in lenses, very stiff, light gray brown, slight hydrocarbon odor. |
| -40 | 50 | S | 18 | 6-7-9-12 (16.0") | 16 | SP-ML | S-18: Sand, uniform, fine, 5-10% nonplastic fines, medium dense, light olive with occasional black lenses, slight hydrocarbon odor; trace gravel at top of sample. |
| | | BOTTOM OF BORING AT 52 FEET | | | | | |
| -45 | 55 | | | | | | |
| -50 | 60 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

| | |
|--|--|
| Site: Fields Point, Providence, RI Client: Algonquin LNG, Inc. Coordinates: N 328.47 W 650.69 Groundwater Depth: 11 ft Contractor: American Drilling | Logged by: R.T DeConto Date Start - Finish: 10/27/95 - 10/27/95 Ground Elevation: 11.945 ft Total Depth Drilled: 52 ft Rig Type: CME-75 Depth to Bedrock: Driller: R. Leger Casing Used: None |
|--|--|

Methods:
 Drilling Soil: 4.25" hollow-stem augers
 Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
 Drilling Rock: None

Comments: Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|------------------------|-------------|-------------|---|
| | | Type | No. | | | | |
| 11.9 | 0 | | | | | | Augered to 2'. Fill: Gravelly sand, poorly graded, gravel to 3", fine to coarse sand, mostly fine, dark brown. 4" piece of wood fiber. |
| | 10 | S | 1 | 7-13-6-3 (14.0") | 19 | SW-SM | S-1: Gravelly sand, widely graded, subangular gravel to 1" (coal slag), fine to coarse sand, 5-10% nonplastic fines, dark brown, dry wood and concrete in spoon tip. Note: Augered through concrete rubble from 4-5'. |
| | 5 | S | 2 | 8-10 (6.0") | | SW-SM | S-2: Similar to S-1, except 30-40% gravel. |
| | 5 | S | 3 | 22-43-50-72 (16.0") | 93 | GP-GM | S-3: Sandy gravel, subangular to subrounded gravel to 1 1/2" (slag and concrete), 20-30% fine to coarse sand, mostly fine, 10-15% nonplastic fines, very dense, damp, dark brown; wood fibers, ammonia odor. High blow counts due to 3" concrete fragment. |
| | | S | 4 | 13-44-62-84 (18.0") | 106 | SW-SM | S-4: Gravelly sand, widely graded, subangular gravel to 1 1/8" max., fine to coarse sand, 5-10% nonplastic fines, very dense, damp, dark brown. |
| | 10 | S | 5 | 24-38-26-30 (18.0") | 64 | SP-SM | S-5: Gravelly sand, subangular to subrounded gravel to 1 1/4" max., fine to coarse sand, mostly fine, 5-15% slightly plastic fines, very dense, wet, dark brown; wood fibers, oily, ammonia odor. |
| | 0 | S | 6 | 13-14-21-24 (19.0") | 35 | GW-GM | S-6: Sandy gravel, widely graded, subrounded to rounded, 30-40% fine to coarse sand, mostly fine, 5-10% nonplastic fines, dense, wet, dark brown; top 16" are oily, bottom 3" are yellow brown (possibly natural). |
| | 15 | S | 7 | 3-7-8-9 (12.0") | 15 | GW-GM | S-7: Sandy gravel, widely graded, subangular to subrounded to 1 1/2" (elongate and flat granitic shales), 30-40% fine to coarse sand, 5-15% nonplastic to slightly plastic fines, medium dense, wet, yellow brown to olive; slight ammonia odor, wood fibers. |
| | -5 | S | 8 | 11-16-17-24 (18.0") | 33 | SW | S-8: Gravelly sand, well-graded, subangular to rounded, generally elongate gravel to 1" max., fine to coarse sand, dense, wet, dark brown. |
| | | S | 9 | 33-28-28-25 (19.0") | 56 | SP GW-GM | S-9A (Top 5"): Sand, uniform, medium, <5% nonplastic fines, very dense, wet, dark brown. S-9B (Bot. 12"): Similar to S-7, except very dense. |
| | 20 | S | 10 | 13-23-26-28 (16.0") | 49 | GW-GM | S-10: Sandy gravel, widely graded, subangular to 1" (mainly elongate), fine to coarse sand, mostly coarse, 5-10% slightly plastic fines, dense, wet, light yellow-red and brown-gray; fines occur in pockets, binding gravel. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

· Sample Type:
 S = Standard split-spoon

| | |
|-----------------|------------------|
| Approved DRB | Date 04/05/96 |
|-----------------|------------------|

Site: **Fields Point, Providence, RI** Logged by: **R.T DeConto**

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|----------------|---|
| | | Type | No. | | | | |
| -10 | | S | 11 | 14-26-36-39 (20.0') | 62 | SP-SM GW-GM | S-11A (Top 10"): Sand, 5-10% subrounded gravel to 3/4" max., fine to coarse sand, mostly medium, 5-10% nonplastic fines, very dense, wet, dark brown. S-11B (Bot. 10"): Similar to S-10, except very dense, medium olive brown. |
| | 25 | S | 12 | 24-26-26-28 (15.0') | 52 | GW-GM SP | S-12A (Top 4"): Similar to S-11B. S-12B (Bot. 11"): Sand, poorly graded, 10-15% elongate rounded gravel to 3/4", fine to coarse sand, mostly fine, very dense, wet, dark brown, hydrocarbon odor. |
| -15 | | | | | | | |
| | 30 | S | 13 | 21-26-32-38 (17.0') | 58 | SP GW-GM | S-13A (Top 8"): Sand, uniform, fine, <5% nonplastic fines, very dense, wet, medium brown; micaceous, slight hydrocarbon odor. S-13B (Bot. 9"): Sandy gravel, widely graded, subangular to 1 3/4", fine to coarse sand, mostly fine, 5-15% nonplastic fines, very dense, wet, mottled (gray and black). |
| -20 | | | | | | | |
| | 35 | S | 14 | 12-10-10-11 (12.0') | 20 | SW-SM | S-14: Gravelly sand, widely graded, 25-35% subangular to subrounded gravel to 1 1/4", fine to coarse sand, mostly coarse, 5-10% nonplastic fines, medium dense, wet, dark olive gray. |
| -25 | | | | | | | |
| | 40 | S | 15 | 27-26-18-24 (20.0') | 44 | SP SW-SM | S-15A (Top 5"): Sand, poorly graded, <5% fine gravel, fine to coarse sand, mostly medium, <5% nonplastic fines, dense, wet, dark brown. S-15B (Bot. 15"): Gravelly sand, widely graded, subangular to subrounded gravel to 1 1/4", fine to coarse sand, mostly fine, 5-10% nonplastic fines, dense, wet, mottled (dark gray and medium olive). |
| -30 | | | | | | | |
| | 45 | S | 16 | 14-19-24-36 (16.0') | 43 | SP GW-GM | S-16A (Top 7"): Similar to S-15A, except no gravel, fine to medium sand, mostly fine, hydrocarbon odor. S-16B (Bot. 19"): Sandy gravel, widely graded, subangular to subrounded to 1 1/2", 25-35% fine to coarse sand, mostly fine, 5-10% nonplastic fines, dense, wet, mottled (gray and black), hydrocarbon odor. |
| -35 | | | | | | | |
| | 50 | S | 17 | 11-10-15-18 (16.0') | 25 | SP | S-17A (Top 6"): Similar to S-16A, except medium dense, grades into sandy gravel. S-17B (Bot. 10"): Sandy gravel, widely graded, angular to subangular platy to 1 1/2", 15-25% fine to coarse sand, 5-15% slightly plastic fines, medium dense, wet, gray to black; appears oily but may be organic fines. |
| -40 | | | | | | | |
| | 55 | | | | | | BOTTOM OF BORING AT 52 FEET |
| -45 | | | | | | | |
| | 60 | | | | | | |
| -50 | | | | | | | |

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 219.53 W 949.26
Groundwater Depth:
Contractor: American Drilling

Logged by: A.C. Smith
Date Start - Finish: 10/19/95 - 10/19/95
Ground Elevation: 12.089 ft
Total Depth Drilled: 52 ft
Driller: R. Leger
Rig Type: CME-75

Methods:
Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|----------------------|---|
| | | Type | No. | | | | |
| 12.1 | 0 | | | | | | |
| | 10 | S | 1 | 9-9-8-14 (22.0") | 17 | SM | S-1: Silty sand, uniform, fine, 5-15% nonplastic fines, medium dense, damp, light brown. |
| | 5 | S | 2 | 4-5-7-12 (24.0") | 12 | SM | S-2: Similar to S-1. |
| | 5 | S | 3 | 11-10-10-12 (24.0") | 20 | SM | S-3: Silty sand, uniform, fine, 35-50% nonplastic fines, uniform dense, moist, brown. |
| | | S | 4 | 6-12-15-16 (21.0") | 27 | SM SP-SM GW-GM | S-4A (Top 8"): Similar to S-3. S-4B (Mid. 4"): Sand, fine to medium, 5-10% nonplastic fines, medium dense, brown. S-4C (Bot. 9"): Sandy gravel, subrounded to subangular, to 1 1/2", 30-40% fine to coarse sand, 5-10% nonplastic fines, medium dense, brown. |
| | 10 | S | 5 | 8-11-14-17 (18.0") | 25 | SP-SM SW-SM | S-5A (Top 12"): Sand, fine to medium, 5-10% nonplastic fines, medium dense, brown. S-5B (Bot. 6"): Gravelly sand, widely graded, 10-20% subrounded gravel to 1 1/2", 5-15% nonplastic fines, medium dense, brown. |
| | 0 | S | 6 | 18-32-22-20 (15.0") | 54 | SW-SM | S-6: Similar to S-5B, except 20-30% gravel, very dense. |
| | 15 | S | 7 | 11-18-19-18 (17.0") | 37 | SW-SM | S-7: Similar to S-6, except dense. |
| | -5 | S | 8 | 14-14-18-29 (18.0") | 32 | SW-SM | S-8: Gravelly sand, widely graded, 20-30% subrounded gravel to 1 1/2", 10-20% nonplastic fines, dense, brown. |
| | 20 | S | 9 | 26-34-50-52 (18.0") | 84 | SW-SM | S-9: Gravelly sand, widely graded, 30-40% subrounded gravel to 1 1/2", 5-15% nonplastic fines, very dense, brown. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

· Sample Type:
S = Standard split-spoon

Approved

DRB

Date

04/05/96

Site: Fields Point, Providence, RI

Logged by: A.C. Smith

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description | |
|---|---------------|--------|-----|--------------------------------|-------------------|----------------|--|------------------|
| | | Type | No. | | | | | |
| -10 | | | | | | | | |
| | 25 | S | 10 | 15-18-17-19 (18.0") | 35 | SW-SM ML-SP | S-10A (Top 3"): Similar to S-9, except medium dense. S-10B (Bot. 15"): Sandy silt, nonplastic to slightly plastic, 35-50% fine to coarse sand, mostly fine, medium dense, gray. | |
| -15 | | | | | | | | |
| | 30 | S | 11 | 15-25-21-25 (13.0") | 46 | ML-SP SW | S-11A (Top 3"): Similar to S-10B, except dense. S-11B (Bot. 10"): Gravelly sand, well graded, 20-30% subrounded fine gravel, <5% nonplastic fines, dense, gray-brown. | |
| -20 | | | | | | | | |
| | 35 | S | 12 | 41-34-24-21 | 58 | GP-GM | S-12: Sandy gravel, subrounded to 1 1/2", 30-40% fine to coarse sand, 5-10% nonplastic fines, very dense, gray-brown. | |
| -25 | | | | | | | | |
| | 40 | S | 13 | 31-33-40-42 (15.0") | 73 | SW | S-13: Gravelly sand, well-graded, 15-25% subrounded fine gravel, <5% nonplastic fines, very dense, gray-brown. | |
| -30 | | | | | | | | |
| | 45 | S | 14 | 15-25-41-43 (16.0") | 66 | SW | S-14: Sand, well graded, 5-10% rounded fine gravel, <5% nonplastic fines, very dense, brown. | |
| -35 | | | | | | | | |
| | 50 | S | 15 | 31-40-47-41 (20.0") | 87 | SW | S-15: Gravelly sand, well graded, 35-45% subrounded gravel to 1 1/2", <5% nonplastic fines, very dense, gray. | |
| -40 | | | | | | | BOTTOM OF BORING AT 52 FEET | |
| | 55 | | | | | | | |
| -45 | | | | | | | | |
| | 60 | | | | | | | |
| -50 | | | | | | | | |
| Note: See Sheet 1 for Boring Summary and Legend Information | | | | | | | Approved DRB | Date 04/05/96 |

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 90.04 W 1284.01
Groundwater Depth: 9 ft
Contractor: American Drilling

Logged by: R.T. DeConto
Date Start - Finish: 11/08/95 - 11/09/95
Ground Elevation: 12.598 ft
Total Depth Drilled: 52 ft
Rig Type: CME-75

Methods: Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None
Casing Used: None

Comments: Groundwater depth as npted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|----------------------|---|
| | | Type | No. | | | | |
| 12.6 | 0 | | | | | | Augered to 2'; Fill. |
| | 10 | S | 1 | 9-12-11-12 (22.0") | 23 | GP-GM | S-1: Sandy gravel, subrounded to 1 3/4", 20-30% fine to coarse sand, mostly fine, 5-10% nonplastic fines, medium dense, damp, black with olive mottling. |
| | 5 | S | 2 | 5-18-21-20 (20.0") | 39 | SP-SM | S-2: Gravelly sand, 15-25% subrounded gravel to 1 1/2", fine to coarse sand, mostly fine, 5-10% nonplastic fines, dense, moist, black and light brown; trace gravel size brick and coke fragments, slight hydrocarbon odor. |
| | 5 | S | 3 | 4-7-13-12 (10.0") | 20 | SP-SM ML SW-SM | S-3A (Top 4"): Similar to S-2, except medium dense, oily and strong hydrocarbon odor. S-3B (Mid. 2"): Sandy silt, slightly plastic, 10-30% fine sand, very stiff, moist, tan. S-3C (Bot. 4"): Gravelly sand, widely graded, 10-15% subrounded gravel to 1", fine to coarse sand, 10-15% slightly plastic fines, medium dense, moist, light brown. |
| | 10 | S | 4 | 8-10-12-12 (9.0") | 22 | SW-SM | S-4: Sand, widely graded, 5-10% subrounded gravel to 1", fine to coarse sand, 15-25% nonplastic fines (mostly in lenses), medium dense, saturated, light olive brown. |
| | 10 | S | 5 | 7-7-9-13 (15.0") | 16 | SM | S-5: Silty sand, uniform, fine, 10-20% nonplastic fines (mainly in lenses), medium dense, light olive. |
| | 0 | S | 6 | 12-13-14-13 (10.0") | 27 | SP | S-6: Sand, poorly graded, medium to coarse mostly medium, <5% nonplastic fines, medium dense, medium brown. |
| | 15 | S | 7 | 10-5-6-5 (16.0") | 11 | SP | S-7: Similar to above, except fine to coarse sand, medium gray brown. |
| | -5 | S | 8 | 7-9-10-9 | 19 | SP-SM | S-8: Sand, 5-10% flat rounded gravel to 1/2", fine to coarse sand, mostly medium, 5-10% nonplastic fines, medium dense, medium gray brown. |
| | 20 | S | 9 | 3-6-9-7 (18.0") | 15 | SP-SM | S-9: Sand, 5-10% rounded gravel to 1", fine to coarse sand, mostly fine, 5-10% nonplastic fines, medium dense, medium brown. |

Legend/Notes

- Datum is NGVD 1929.
- ∇ indicates groundwater level.
- █ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

| | |
|-----------------|------------------|
| Approved DRB | Date 04/05/96 |
|-----------------|------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -10 | 25 | S | 10 | 3-6-9-11 (12.0") | 15 | SP-SM | S-10: Similar to S-9, except 2-5% gravel to 1/2", nonplastic fines in pockets. |
| -15 | 30 | S | 11 | 12-11-13- 14 (16.0") | 24 | SP SP-SM | S-11A (Top 6"): Sand, poorly graded, 2-5% gravel to 1/2", fine to medium sand, mostly medium, <5% nonplastic fines, medium dense, medium olive brown. S-11B (Bot. 10"): Sand, uniform, fine, 5-10% nonplastic fines, medium dense, medium olive brown. |
| -20 | 35 | S | 12 | 11-10-12- 14 (18.0") | 22 | SP | S-12: Sand, poorly graded, 2-5% rounded gravel to 1/2", fine to medium sand, mostly fine, <5% nonplastic fines, medium dense, medium gray brown, orange iron oxide banding through bottom 10" of sample. |
| -25 | 40 | S | 13 | 5-11-16-8 | 27 | | S-13: No recovery. |
| -30 | | S | 14 | 15-17-27- 32 (19.0") | 44 | SP-SM SP | S-14A (Top 9"): Sand, uniform, 10-15% slightly plastic fines (in lenses), dense, light olive brown with gray bands. S-14B (Bot. 10"): Gravelly sand, 20-30% subrounded gravel to 3/4", fine to coarse sand, mostly coarse, dense, olive with orange iron oxide. |
| -35 | 45 | S | 15 | 16-18-13- 21 | 31 | GW-GM | S-15: Sandy gravel, subrounded to 1 1/2", 35-45% fine to coarse sand, mostly fine (in lenses), 5-10% slightly plastic fines (in pockets), very dense, mottled (orange brown and olive). |
| -40 | 50 | S | 16 | 11-11-13- 14 (15.0") | 24 | SP ML | S-16A (Top 5"): Sand, uniform, fine, <5% nonplastic fines, medium dense, light yellow brown. S-16B (Bot. 10"): Silt, nonplastic, 5-10% fine sand, very stiff, light gray with occasional dark bands. |
| -45 | | | | | | | BOTTOM OF BORING AT 52 FEET |
| -55 | | | | | | | |
| -60 | | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 72.89 W 1217.48
Groundwater Depth: 10 ft
Contractor: American Drilling

Logged by: R.T DeConto
Date Start - Finish: 11/07/95 - 11/07/95
Ground Elevation: 12.977 ft
Total Depth Drilled: 52 ft
Rig Type: CME-75

Methods: Casing Used: None
Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None

Comments: Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|-----------|------------|--------|-----|-----------------------|-------------|------------|---|
| | | Type | No. | | | | |
| 13.0 | 0 | | | | | | Augered to 2'. Fill: Gravelly sand, widely graded, 15-25% subrounded gravel to 1 1/2", fine to coarse sand, mostly fine, 5-15% nonplastic fines, damp, dark brown. |
| | 10 | S | 1 | 4-5-7-8 (16.0") | 12 | SW-SM | S-1: Gravelly sand, widely graded, 20-30% subangular gravel to 1", fine to coarse sand, 5-10% nonplastic fines, medium dense, moist, yellow brown. |
| | 5 | S | 2 | 4-6-8-8 (13.0") | 14 | SP | S-2: Gravelly sand, poorly graded, 15-25% subangular gravel to 1 1/4", fine to medium sand, mostly medium, <5% nonplastic fines, medium dense, damp, light brown. |
| | | S | 3 | 14-12-10-12 (17.0") | 22 | SW | S-3: Gravelly sand, well graded, 25-30% subangular gravel to 1", fine to coarse sand, <5% nonplastic fines, medium dense, moist, light brown, hydrocarbon odor. |
| 5 | | S | 4 | 6-8-11-13 (14.0") | 19 | SW | S-4: Sand, well-graded, 10-15% subrounded gravel to 3/4", fine to coarse sand, <5% nonplastic fines, medium dense, moist, light gray brown, hydrocarbon odor. |
| | 10 | S | 5 | 8-9-9-12 (16.0") | 18 | SW | S-5: Gravelly sand, well-graded, 15-25% subangular to subrounded gravel to 1", fine to coarse sand, <5% nonplastic fines, medium dense, saturated, light gray brown, strong hydrocarbon odor. |
| 0 | | S | 6 | 9-9-12-14 (14.0") | 21 | SW | S-6: Similar to S-5; very oily. |
| | 15 | S | 7 | 9-12-14-5 (5.0") | 26 | SP | S-7: Sand, uniform, fine, <5% nonplastic fines, medium dense, tan, hydrocarbon odor. |
| | | S | 8 | 14-21-19-22 (20.0") | 40 | SP | S-8: Sand, uniform, medium, <5% nonplastic fines, dense, light olive, hydrocarbon odor; coarser sand in 3" layer near bottom of sample. |
| -5 | | | | | | | |
| | 20 | S | 9 | 12-16-18-19 (15.0") | 34 | SW | S-9: Sand, well-graded, 10-15% subrounded gravel to 3/4", fine to coarse sand, <5% nonplastic fines, dense, light olive gray, hydrocarbon odor. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

Approved
DRB

Date
04/05/96

Site: **Fields Point, Providence, RI**

Logged by: **R.T DeConto**

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|-----------------------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| -10 | 25 | S | 10 | 6-6-10-8 (14.0") | 16 | SP-SM | S-10: Sand, uniform, fine, 5-10% nonplastic fines, medium dense, medium olive with occasional black lenses, slight hydrocarbon odor. |
| -15 | 30 | S | 11 | 8-11-13-16 (16.0") | 24 | SP | S-11: Sand, uniform, medium, <5% nonplastic fines, medium dense, yellow brown and light olive. |
| -20 | 35 | S | 12 | 8-12-13-18 (22.0") | 25 | SP SM | S-12A (Top 5"): Similar to S-11. S-12B (Bot. 17"): Silty sand, fine to coarse, mostly fine, 10-30% nonplastic fines, medium dense, light olive tan. |
| -25 | 40 | S | 13 | 7-15-13-16 (22.0") | 28 | SP-SM | S-13: Gravelly sand, 15-25% subangular to subrounded gravel to 1 1/2", fine to coarse sand, mostly medium, 5-10% nonplastic fines, medium dense, yellow-brown, top 6" are olive. |
| -30 | 45 | S | 14 | 7-19-27-33 | 46 | SP-SM | S-14: Similar to S-13, except gravel to 1/2", dense. |
| -35 | 50 | S | 15 | 10-15-28-50 (13.0") | 43 | SW-SM | S-15: Gravelly sand, 15-20% gravel to 3/4", fine to coarse sand, 5-10% nonplastic fines, dense, light gray. |
| -40 | BOTTOM OF BORING AT 52 FEET | | | | | | |
| -45 | 55 | | | | | | |
| -50 | 60 | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

Site: Fields Point, Providence, RI
Client: Algonquin LNG, Inc.
Coordinates: N 120.34 W 1366.47
Groundwater Depth: 6.5 ft
Contractor: American Drilling

Logged by: R.T. DeConto
Date Start - Finish: 11/08/95 - 11/08/95
Ground Elevation: 10.985 ft
Total Depth Drilled: 52 ft
Rig Type: CME-75

Methods: Casing Used: None
Drilling Soil: 4.25" hollow-stem augers
Sampling Soil: Standard split-spoon sampler driven using a CME automatic SPT hammer
Drilling Rock: None

Comments: Groundwater depth as noted during drilling.

| Elev (ft) | Depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|-------------------|---|
| | | Type | No. | | | | |
| 11.0 | 0 | | | | | | Auger to 2' Fill: 10-20% gravel to 2", fine to coarse sand, 5-10% nonplastic fines, damp, light yellow, green staining. |
| | | S | 1 | 8-10-12-46 (9.0") | 22 | GP-GM | S-1: Sandy gravel, subangular to 1 3/8", 20-30% fine to coarse sand, 5-10% nonplastic fines, medium dense, damp, dark brown gravel and light yellow green sand. |
| | 5 | S | 2 | 28-32-33-40 (22.0") | 65 | GP | S-2: Sandy gravel, poorly graded, subangular to 1 1/2", 10-20% fine to coarse sand, mostly medium, <5% nonplastic fines, very dense, dry, mottled (pink, yellow, brown, and green gray, due to chemical staining); gravel disintegrated. |
| | 5 | S | 3 | 14-17-19-36 (15.0") | 36 | GP | S-3: Similar to above, except 30-40% sand, dense, saturated. |
| | | S | 4 | 18-22-28-35 (20.0") | 50 | SP-SM | S-4: Gravelly sand, 15-25% gravel to 1", fine to coarse sand, mostly fine, 5-10% slightly plastic fines, dense to very dense, mottled (yellow brown and tan). |
| | 10 | S | 5 | 14-19-22-28 (18.0") | 41 | GP | S-5: Sandy gravel, poorly graded, subangular to 1 1/2", 10-20% fine to coarse sand, <5% nonplastic fines, dense, light brown. |
| | | S | 6 | 18-24-22-27 (16.0") | 46 | GP-GM | S-6: Sandy gravel, subangular to subrounded to 1 1/2", 20-30% fine to coarse sand, 5-10% slightly plastic fines in pockets, dense, mottled (light brown, yellow, taupe, and green (possible staining)). |
| | 15 | S | 7 | 14-12-16-22 (6.0") | 28 | GP-GM | S-7: Similar to S-6, except medium dense. |
| | | S | 8 | 10-12-18-16 | 30 | SP | S-8: Sand, poorly graded, rounded, fine to coarse, mostly medium, <5% nonplastic fines, medium dense to dense, gray with black organic layers. |
| | 20 | S | 9 | 17-14-19-24 (16.0") | 33 | SP GW-GM SP | S-9A (Top 4" and Lower Mid 2"): Sand, uniform, fine, <5% nonplastic fines, dense, gray brown. S-9B (Upper Mid. 9"): Sandy gravel, subangular to 1 3/4", 30-40% fine to coarse sand, mostly fine, 5-10% nonplastic fines, dense, light olive. |

Legend/Notes

- Datum is NGVD 1929.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:
S = Standard split-spoon

| | |
|-----------------|------------------|
| Approved DRS | Date 04/05/96 |
|-----------------|------------------|

Site: Fields Point, Providence, RI

Logged by: R.T. DeConto

| Elev (ft) | depth (ft) | Sample | | Blows or Recovery RQD | SPT N Value | USC Symbol | Sample Description |
|--------------|---------------|--------|-----|--------------------------------|-------------------|---------------|--|
| | | Type | No. | | | | |
| | 25 | S | 10 | 18-25-24-25 (15.0") | 49 | SW-SM SP | S-9C (Bot. 4"): Gravelly sand, poorly graded, 20-30% subrounded gravel to 3/4", fine to coarse sand, <5% nonplastic fines, dense, black. S-10A (Top 7"): Gravelly sand, widely graded, 25-35% subrounded gravel to 1 1/2", fine to coarse sand, 5-10% nonplastic fines, dense, light brown gray. S-10B (Bot. 8"): Sand, poorly graded, 5-10% rounded flat gravel to 1/2", fine to coarse sand, mostly fine, <5% nonplastic fines, dense, yellow brown. |
| -15 | 30 | S | 11 | 6-5-11-12 (17.0") | 16 | SP-SM | S-11A (Top 6"): Gravelly sand, 20-30% subangular to subrounded gravel to 3/4", fine to coarse sand, 5-10% slightly plastic fines, medium dense, light olive gray. S-11B (Bot. 11"): Sand, <5% gravel to 3/4", fine to medium sand, mostly fine, 5-15% slightly plastic fines (in lenses), medium dense, light brown. |
| -20 | 35 | S | 12 | 14-10-11-16 (18.0") | 21 | SP SP-SM | S-12A (Top 8"): Sand, poorly graded, fine to coarse, mostly fine, <5% nonplastic fines, medium dense, medium olive; 2" layer of mostly coarse sand. S-12B (Bot. 10"): Sand, uniform, fine, 10-15% nonplastic fines, medium dense, light olive brown. |
| -25 | 40 | S | 13 | 8-10-12-12 (16.0") | 22 | SP | S-13: Sand, uniform, fine to medium, mostly medium, <5% nonplastic fines, medium dense, medium olive. |
| -30 | 45 | S | 14 | 8-7-7-10 (15.0") | 14 | SP | S-14: Similar to S-13; 2" layer of mostly coarse sand. |
| -35 | 50 | S | 15 | 8-13-17-21 (21.0") | 30 | | S-15A (Top 8"): Similar to S-13. S-15B (Bot. 13"): Sand, uniform, fine, 5-10% nonplastic fines, medium dense to dense, medium light brown olive. BOTTOM OF BORING AT 52 FEET |
| -40 | 55 | | | | | | |
| -45 | 60 | | | | | | |
| -50 | | | | | | | |

Note: See Sheet 1 for Boring Summary and Legend Information

Approved
DRB

Date
04/05/96

APPENDIX E3
SEISMIC REFRACTION SURVEY REPORT