

**SITE INVESTIGATION REPORT
AND GROUNDWATER
MONITORING PROGRAM
WESTCHESTER COUNTY AIRPORT**

Prepared for: Westchester County
Department of Transportation
100 East First Street
Mt. Vernon, NY 10550

Prepared by: First Environment
90 Riverdale Road
Riverdale, NJ 07457

February 2001

**SITE INVESTIGATION REPORT
AND GROUNDWATER MONITORING PROGRAM
WESTCHESTER COUNTY AIRPORT**

Prepared for:

**WESTCHESTER COUNTY DEPARTMENT OF
TRANSPORTATION**

Prepared by:

**FIRST ENVIRONMENT, INC.
90 Riverdale Road
Riverdale, New Jersey 07457**

February 2001

Project No. WESTC001

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
BACKGROUND INFORMATION AND TECHNICAL OVERVIEW	11
ENVIRONMENTAL SETTING	15
SITE DESCRIPTION AND BACKGROUND	15
PHYSICAL SETTING	17
TOPOGRAPHY AND SURFACE WATER DRAINAGE	17
GEOLOGY	18
SITE HYDROGEOLOGY	19
UNCONFINED (OVERBURDEN) AQUIFER	19
CONFINED (BEDROCK) AQUIFER	19
GROUNDWATER FLOW DIRECTION AND VELOCITY	19
VERTICAL HYDRAULIC GRADIENT	21
SITE INVESTIGATION ACTIVITIES	22
FIELD TECHNIQUES	23
SOIL BORINGS	23
SOIL SAMPLING	23
TEMPORARY MONITORING WELL INSTALATION	23
OVERBURDEN MONITORING WELL INSTALATION	24
BEDROCK MONITORING WELL INSTALLATION	24
GROUNDWATER ELEVATION MEASUREMENTS	25
AQUIFER TESTING	26
GROUNDWATER SAMPLING	27
SITE STUDY AREAS	28
AREA #1 – HANGER F FORMER UST – (NYSDEC SPILL #9811557)	28
BACKGROUND / PREVIOUS INVESTIGATIONS	28
CONCLUSIONS / RECOMMENDATIONS	28
AREA #2: HANGER C-1 – (NYSDEC SPILL #9104044)	29
BACKGROUND / PREVIOUS INVESTIGATIONS	29
CONCLUSIONS / RECOMMENDATIONS	29
AREA #3 – TERMINAL AIRCRAFT APRON (NYSDEC SPILL #97602235)	29
BACKGROUND / PREVIOUS INVESTIGATIONS	29
INVESTIGATION BY FIRST ENVIRONMENT	29
SAMPLE COLLECTION	29
ANALYTICAL RESULTS	30
CONCLUSIONS/RECOMMENDATIONS	30
AREA #4 - FORMER CAR RENTAL FACILITY (NYSDEC SPILL #9310461)	31
BACKGROUND/PREVIOUS INVESTIGATIONS	31
CONCLUSIONS/RECOMMENDATIONS	31
AREA #5 - HANGAR D-3 (NYSDEC SPILL #9406172)	31
BACKGROUND/PREVIOUS INVESTIGATIONS	31

CONCLUSIONS/RECOMMENDATIONS	31
AREA #6 - HANGAR D-3 (NYSDEC SPILL #9809248)	32
BACKGROUND/PREVIOUS INVESTIGATIONS	32
CONCLUSIONS/RECOMMENDATIONS	32
AREA #7 HANGAR D-2 (NYSDEC SPILL #9407976)	32
BACKGROUND/PREVIOUS INVESTIGATIONS	32
CONCLUSION/RECOMMENDATIONS	33
AREA #8 HANGAR D-1, BAY 2	33
BACKGROUND/PREVIOUS INVESTIGATIONS	33
CONCLUSION/RECOMMENDATIONS	34
AREA #9 HANGAR D-1, BAY 1 (NYSDEC SPILL #9813569)	34
BACKGROUND/PREVIOUS INVESTIGATIONS	34
CONCLUSIONS/RECOMMENDATIONS	35
AREA #10: HANGAR D PUMP HOUSE (NYSDEC SPILL #9805002)	35
BACKGROUND/PREVIOUS INVESTIGATIONS	35
CONCLUSIONS/RECOMMENDATIONS	35
AREA #11 FUEL TANK FARM (NYSDEC SPILL #9006411)	36
BACKGROUND/PREVIOUS INVESTIGATIONS	36
CONCLUSIONS/RECOMMENDATIONS	36
AREAS #12 (NYSDEC SPILL #9309928) AND AREA #16 (NYSDEC SPILL #9811676)	36
BACKGROUND/PREVIOUS INVESTIGATIONS	36
CONCLUSIONS/RECOMMENDATIONS	37
AREAS #13, #14, & #15: FORMER SERVICE STATION	38
AREA # 13: FORMER SERVICE STATION OIL/WATER SEPARATOR REPLACEMENT (NYSDEC SPILL #9811558)	39
BACKGROUND/PREVIOUS INVESTIGATIONS	39
CONCLUSIONS/RECOMMENDATIONS	39
AREA #14: FORMER SERVICE STATION UST REMOVAL/REPLACEMENT PROJECT (NYSDEC SPILL #98006992)	39
BACKGROUND/PREVIOUS INVESTIGATIONS	39
CONCLUSIONS/RECOMMENDATIONS	40
AREA #15: FORMER GAS STATION VAPOR RECOVERY SYSTEM INSTALLATION (NYSDEC SPILL 9108093)	40
BACKGROUND/PREVIOUS INVESTIGATIONS	40
CONCLUSIONS/RECOMMENDATIONS	41
AREA #17 - BUILDING 5 (NYSDEC SPILL #9912674)	41
BACKGROUND/PREVIOUS INVESTIGATIONS	41
INVESTIGATION BY FIRST ENVIRONMENT	41
SAMPLE COLLECTION	41
ANALYTICAL RESULTS	41
CONCLUSIONS AND RECOMMENDATIONS	42
AREA #18: OLD AIR NATIONAL GUARD FUEL FARM (NYSDEC SPILL #9011175)	42
BACKGROUND/PREVIOUS INVESTIGATIONS	42
CONCLUSIONS/RECOMMENDATIONS	42
AREA #19 FORMER AIR NATIONAL GUARD UST	42
BACKGROUND/PREVIOUS INVESTIGATIONS	42

INVESTIGATION BY FIRST ENVIRONMENT	43
SAMPLE COLLECTION	43
ANALYTICAL RESULTS	43
CONCLUSIONS/RECOMMENDATIONS	43
AREA #20 BUILDING 3 (NYSDEC SPILL #91-00237)	44
BACKGROUND/PREVIOUS INVESTIGATIONS	44
INVESTIGATION BY FIRST ENVIRONMENT	44
SAMPLE COLLECTION	44
ANALYTICAL RESULTS	44
CONCLUSIONS/RECOMMENDATIONS	45
AREA # 21 - BUILDING 1 (NYSDEC SPILL #9300724)	45
BACKGROUND/PREVIOUS INVESTIGATIONS	45
INVESTIGATION BY FIRST ENVIRONMENT	46
SAMPLE COLLECTION	46
ANALYTICAL RESULTS	46
CONCLUSIONS/RECOMMENDATIONS	46
AREA #22-BUILDING 1 (NYSDEC SPILL#9713222)	47
BACKGROUND/PREVIOUS INVESTIGATIONS	47
INVESTIGATION BY FIRST ENVIRONMENT	47
SAMPLE COLLECTION	47
ANALYTICAL RESULTS	47
CONCLUSIONS/RECOMMENDATIONS	48
AREA #23: MAINTENANCE BUILDING PETROLEUM SPILL AREA	48
BACKGROUND/PREVIOUS INVESTIGATION	48
CONCLUSIONS/RECOMMENDATIONS	48
AREA #24 FORMER AIR NATIONAL GUARD (ANG) DUMP	49
BACKGROUND/PREVIOUS INVESTIGATIONS	49
INVESTIGATION BY FIRST ENVIRONMENT	49
SAMPLE COLLECTION	49
ANALYTICAL RESULTS	50
GB-20 through GB-24 Soil Samples	51
GB-20 through GB-24 Groundwater Samples	51
GB-25 through GB-39 Groundwater Samples	51
FMW-13 through FMW-16 Groundwater Samples	52
CONCLUSIONS/RECOMMENDATIONS	52
AREA # 25 AIRCRAFT RESCUE & FIREFIGHTING (ARFF) BURN PIT (NYSDEC SPILL #9911702)	53
BACKGROUND/PREVIOUS INVESTIGATIONS	53
INVESTIGATION BY FIRST ENVIRONMENT	53
SAMPLE COLLECTION	53
Initial Sampling	53
Monitoring Wells FMW-5, FMW-6, FMW-7, FMW-8, and FMW-23	54
Soil Excavation And Post-Excavation Soil Sampling	55
Soil Re-Use Sampling	56
ANALYTICAL RESULTS	56
Initial Sampling	56
Monitoring Wells FMW-5 through FMW-8 and FMW-23	57
Soil Excavation and Post-Excavation Soil Sampling	57
Soil Re-Use Sampling	58
CONCLUSIONS/RECOMMENDATIONS	58
AREAS #26 AND #27 HANGAR B (NYSDEC SPILL #98-09015 & #9811689)	59

BACKGROUND/PRIOR INVESTIGATIONS	59
INVESTIGATION BY FIRST ENVIRONMENT	60
SAMPLE COLLECTION	60
ANALYTICAL RESULTS	61
CONCLUSIONS/RECOMMENDATIONS	62
AREA #28: OLD MAINTENANCE BUILDING (NYSDEC SPILL #9611948)	63
BACKGROUND/PREVIOUS INVESTIGATIONS	63
CONCLUSIONS/RECOMMENDATIONS	63
AREA #29 DEPARTMENT OF PUBLIC WORKS (DPW) DUMP AREA	63
BACKGROUND/PREVIOUS INVESTIGATIONS	63
INVESTIGATION BY FIRST ENVIRONMENT	64
SAMPLE COLLECTION	64
ANALYTICAL RESULTS	65
CONCLUSIONS/RECOMMENDATIONS	65
AREA #30: FAA CONTROL TOWER (NYSDEC SPILL #9010102)	65
BACKGROUND/PREVIOUS INVESTIGATION	65
CONCLUSIONS/RECOMMENDATIONS	65
AREA #31: NYS-DOT LANDFILL OFF-SITE LOCATION	65
BACKGROUND/PREVIOUS INVESTIGATIONS	66
CONCLUSIONS/RECOMMENDATIONS	67
AREA #32 SEPTIC #1	68
BACKGROUND/PREVIOUS INVESTIGATIONS	68
INVESTIGATION BY FIRST ENVIRONMENT	69
SAMPLE COLLECTION	69
ANALYTICAL RESULTS	69
CONCLUSIONS/RECOMMENDATIONS	69
AREA #33 SEPTIC #2	70
BACKGROUND PREVIOUS INVESTIGATION	70
INVESTIGATION BY FIRST ENVIRONMENT	70
SAMPLE COLLECTION	70
ANALYTICAL RESULTS	71
CONCLUSIONS/RECOMMENDATIONS	71
AREA #34 SEPTIC #3	71
BACKGROUND/PREVIOUS INVESTIGATIONS	71
INVESTIGATION BY FIRST ENVIRONMENT	72
SAMPLE COLLECTION	72
ANALYTICAL RESULTS	72
CONCLUSIONS/RECOMMENDATIONS	73
AREA #35 SEPTIC #4	74
BACKGROUND/PREVIOUS INVESTIGATIONS	74
INVESTIGATION BY FIRST ENVIRONMENT	74
SAMPLE COLLECTION	74
ANALYTICAL RESULTS	75
CONCLUSIONS/ RECOMMENDATIONS	75
AREA #36 BUILDING 10 (NYSDEC SPILL # 0000994)	75
BACKGROUND/PREVIOUS INVESTIGATIONS	75
INVESTIGATION BY FIRST ENVIRONMENT	75
SAMPLE COLLECTION	76

ANALYTICAL RESULTS	77
CONCLUSIONS/RECOMMENDATIONS	77
AREA #37 BUILDING #4 FORMER MOTOR POOL	78
BACKGROUND/PREVIOUS INVESTIGATIONS	78
INVESTIGATION BY FIRST ENVIRONMENT	78
SAMPLE COLLECTION	78
ANALYTICAL RESULTS	79
CONCLUSIONS/RECOMMENDATIONS	79
AREA #38 WEIGHTS AND MEASURES BUILDING (NYSDEC SPILL #0008724)	79
BACKGROUND/PREVIOUS INVESTIGATIONS	79
INVESTIGATION BY FIRST ENVIRONMENT	80
SAMPLE COLLECTION	80
ANALYTICAL RESULTS	80
CONCLUSIONS/RECOMMENDATIONS	81
UNDERGROUND STORAGE TANK AREAS	81
BACKGROUND/PREVIOUS INVESTIGATIONS	81
INVESTIGATION BY FIRST ENVIRONMENT	82
T1-AIRFIELD BLOCKHOUSE (NYSDEC SPILL #0009172)	83
ANALYTICAL RESULTS	83
CONCLUSIONS/RECOMMENDATIONS	84
T4 BUILDING 10	84
ANALYTICAL RESULTS	84
CONCLUSIONS/RECOMMENDATIONS	84
T5 & T6 BUILDING 10	84
T13 HANGER	85
ANALYTICAL RESULTS	85
CONCLUSIONS/RECOMMENDATIONS	85
T14, T15 AND T16 HANGER C-2	85
ANALYTICAL RESULTS	85
CONCLUSIONS/RECOMMENDATIONS	86
T20 HANGER D	86
ANALYTICAL RESULTS	86
CONCLUSIONS/RECOMMENDATIONS	86
T24 HANGER G	86
ANALYTICAL RESULTS	86
CONCLUSIONS/RECOMMENDATIONS	87
GROUNDWATER MONITORING PROGRAM	88
CONCLUSION	92

LIST OF TABLES

TABLE 1	GROUNDWATER LEVEL MEASUREMENTS DECEMBER 5, 2000
TABLE 2	HYDRAULIC CONDUCTIVITY TESTING RESULTS
TABLE 3A	SUMMARY OF SOIL SAMPLING RESULTS AREA 3-TERMINAL AIRCRAFT APRON
TABLE 3B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 3 -TERMINAL AIRCRAFT APRON
TABLE 4	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 17 – BUILDING #5
TABLE 5	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 19 - FORMER AIR NATIONAL GUARD UST
TABLE 6A	SUMMARY OF SOIL SAMPLING RESULTS AREA 20 – BUILDING 3
TABLE 6B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 20 – BUILDING 3
TABLE 7A	SUMMARY OF SOIL SAMPLING RESULTS AREAS 21 & 22 BUILDING #1
TABLE 7B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREAS 21 & 22 BUILDING #1
TABLE 8A	SUMMARY OF SOIL SAMPLING RESULTS AREA 24 – FORMER AIR NATIONAL GUARD DUMP
TABLE 8B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 24 – FORMER AIR NATIONAL GUARD DUMP
TABLE 9	SUMMARY OF GROUNDWATER SAMPLING RESULTS TEMPORARY WELL POINTS DOWNGRAIENT OF AREA 24
TABLE 10	SUMMARY OF GROUNDWATER SAMPLING RESULTS MONITORING WELLS DOWNGRAIENT OF AREA 24
TABLE 11A	SUMMARY OF SOIL SAMPLING RESULTS AREA 25 – FORMER ARFF BURN PIT
TABLE 11B	SUMMARY OF GROUNDWATER SAMPLING RESULTS TEMPORARY WELL POINTS AREA 25 – FORMER ARFF BURN PIT
TABLE 12	SUMMARY OF GROUNDWATER SAMPLING RESULTS MONITORING WELLS AREA 25 – FORMER ARFF BURN PIT

TABLES (CONT.)

TABLE 13A	SUMMARY OF POST EXCAVATION SOIL SAMPLING RESULTS AREA 25 – FORMER ARFF BURN PIT
TABLE 13B	SUMMARY OF SOIL SAMPLING RESULTS FOR REUSE OF STOCKPILED SOIL
TABLE 14A	SUMMARY OF SOIL SAMPLING RESULTS AREAS 26 & 27 – HANGER B
TABLE 14B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREAS 26 & 27 – HANGER B
TABLE 15	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 29 – DEPARTMENT OF PUBLIC WORKS DUMP AREA
TABLE 16A	SUMMARY OF SOIL SAMPLING RESULTS AREA 32 SEPTIC 1
TABLE 16B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 32 - SEPTIC 1
TABLE 17A	SUMMARY OF SOIL SAMPLING RESULTS AREA 33 – SEPTIC 2
TABLE 17B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 33 – SEPTIC 2
TABLE 18A	SUMMARY OF SOIL SAMPLING RESULTS AREA 34 – SEPTIC 3
TABLE 18B	SUMMARY OF GROUNDWATER SAMPLING RESULTS TEMPORARY WELL POINTS AREA 34 – SEPTIC 3
TABLE 19	SUMMARY OF GROUNDWATER SAMPLING RESULTS PERMANENT MONITORING WELLS AREA 34 – SEPTIC 3
TABLE 20A	SUMMARY OF SOIL SAMPLING RESULTS AREA 35 – SEPTIC 4
TABLE 20B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 35 – SEPTIC 4
TABLE 21A	SUMMARY OF SOIL SAMPLING RESULTS AREA 36 – BUILDING 10
TABLE 21B	SUMMARY OF GROUNDWATER SAMPLING RESULTS – AREA 36 – BUILDING 10
TABLE 22A	SUMMARY OF SOIL SAMPLING RESULTS AREA 37 – BUILDING 4
TABLE 22B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 37 – BUILDING 4
TABLE 23A	SUMMARY OF SOIL SAMPLING RESULTS AREA 38 – WEIGHTS AND MEASURES BUILDING

TABLES (CONT.)

TABLE 23B	SUMMARY OF GROUNDWATER SAMPLING RESULTS AREA 38 – WEIGHTS AND MEASURES BUILDING
TABLE 24	SUMMARY OF UST INVESTIGATION AREAS
TABLE 25A	SUMMARY OF SOIL SAMPLING RESULTS FOR UST LOCATIONS
TABLE 25B	SUMMARY OF GROUNDWATER SAMPLING RESULTS FOR UST LOCATIONS
TABLE 26	SUMMARY OF GROUNDWATER SAMPLING RESULTS GENERAL SITE COVERAGE
TABLE 27	GROUNDWATER MONITORING LOCATIONS

LIST OF FIGURES

FIGURE 1	SITE LOCATION MAP
FIGURE 2	MONITORING WELL AND SAMPLE LOCATION MAP
FIGURE 3	SAMPLE LOCATION AREA - SECTION 1
FIGURE 4	SAMPLE LOCATION AREA – SECTION 2
FIGURE 5	SAMPLE LOCATION AREA – SECTION 3
FIGURE 6	DETAIL AREAS A, A1, B & C
FIGURE 7	SHALLOW GROUNDWATER WELLS
FIGURE 8	BEDROCK GROUNDWATER WELLS
FIGURE 9	GROUNDWATER MONITORING LOCATIONS

APPENDICES

APPENDIX 1	GLOSSARY
APPENDIX 2	DOCUMENTS REVIEWED
APPENDIX 3	REGIONAL GEOLOGY
APPENDIX 4	BORING LOG AND WELL CONSTRUCTION DIAGRAMS
APPENDIX 5	AQUIFER TEST CALCUALTIONS

EXECUTIVE SUMMARY

First Environment, Inc. (First Environment) on behalf of the Westchester County Department of Transportation (WCDOT) has completed the groundwater site investigation and remediation activities at the Westchester County Airport (Airport) in accordance with the approved Investigation Work Plan dated June 2000 (the Work Plan). As the investigation progressed, the scope expanded beyond that initially proposed in the Work Plan to ensure any additional potential concerns were investigated as they were identified. This investigation has confirmed that there is no pervasive groundwater plume or groundwater pollution threat to Rye Lake or the surrounding environment. Specific localized areas of environmental concern have been identified; many of these have been addressed and the others are currently in the process of being addressed. In addition, a Groundwater Monitoring Program has been developed and will be implemented to monitor these localized areas on site where chemical constituents have been detected in groundwater above regulatory guidelines (regulatory control wells) as well as to monitor the perimeter of the site to ensure that there is no adverse impact to Rye Lake or the surrounding environment (sentinel wells). This program will ensure the County's ability to identify and respond to any potential contamination threat from the Airport to the waters of Rye Lake or the surrounding environment on an ongoing basis.

The Work Plan was designed voluntarily to serve as a compilation of action items in response to concerns raised by First Environment and interested parties after completion of the Airport's proactive hydrogeologic study, originally initiated in August 1999. In addition, the Work Plan was designed to develop a complete set of data necessary to determine if the operations at the Airport are or are not adversely impacting Rye Lake or the surrounding environment.

All action items in the Work Plan have been performed and the objectives of the Work Plan have been met. Additional hydrogeologic investigations have been conducted and have more thoroughly defined groundwater flow patterns and the groundwater divide present at the Airport. The groundwater divide, as illustrated on Figure 2, identifies the boundary between the two watersheds on site, with groundwater to the northwest of the divide flowing towards the Rye Lake watershed and groundwater to the southeast of the groundwater divide flowing towards the Blind Brook watershed. The findings of this investigation were consistent with First Environment's previous investigation; specifically, that the groundwater in the upper water-bearing zone flows from the northern and southwestern portions of the Project Area in a

westerly direction towards Rye Lake. Groundwater in the upper water-bearing zone on the rest of the Project Area flows towards the east and southeast away from Rye Lake. Additional delineation of the groundwater divide indicates that the divide actually trends in a more southwesterly direction from the center of the site than had previously been reported. As such, a smaller portion of the Project Area actually discharges to Rye Lake, as opposed to the Blind Brook, than previously reported.

During the investigation, possible contaminant sources on-site were identified and investigated to determine their potential impact. The investigations included a thorough review of available documentation, interviews with Airport personnel and Air National Guard (ANG) personnel in Latham, NY, as well as intrusive investigations consisting of soil and/or groundwater sampling.

The additional site investigation activities began in June 2000 and over six months approximately 125 soil samples, upwards of 30 post excavation soil samples, and 130 groundwater samples from temporary and permanent monitoring wells have been collected, submitted for lab analysis and evaluated. The soil and groundwater sampling locations are presented on Figures 2-6. Based on the additional information, First Environment has concluded that there are no on-site sources that are adversely impacting Rye Lake. The table on the following page provides a list of the areas that were thoroughly characterized and for which no further action is warranted.

**Requiring no Further Action
Westchester County Airport**

Area Number	Description	NYSDEC Spill Number (if applicable)
1	Hanger F Former UST	9811557
2	Hanger C-1 Fuel Spill	9104044
3	Terminal Aircraft Apron	97602235
4	Former Car Rental Facility	9310461
5	Hanger D-3 Former USTs	9406172
6	Hanger D-3 Former USTs	9809248
7	Hanger D-2 Former USTs	9407976
10	Hanger D Pump House	9805002
11	Fuel Tank Farm	9006411
17	Building 5 UST	9912674
18	Old National Guard Tank Farm	9011175
20	Building 3 Former UST	9100237
21	Building 1 Former UST	9300724
23	Maintenance Building	
24	Former Air National Guard Dump	
28	Old Maintenance Building UST	9611948
29	Department of Public Works Dump Area	
30	FAA Control Tower UST	9010102
33	Septic #2	
35	Septic #4	
37	Building #4 Former Motor Pool	
T-2	Building 2 Former and Existing USTs	
T-3	Building 4 Former and Existing USTs	
T-4	Building 10 Former and Existing USTs	
T-7	Building 10 Former and Existing USTs	
T-8	Building 10 Former and Existing USTs	
T-9	Building 11 Former and Existing USTs	
T-10	Hanger 26 Former and Existing USTs	
T-11	Hanger 6 Former and Existing USTs	
T-12	Former UST	
T-13	Hanger A Former and Existing USTs	
T-14, T-15, T-16	Hanger C-2 Former and Existing USTs	
T-17	Hanger C-2 Former and Existing USTs	
T-18	Hanger D Boiler Room Former and Existing USTs	
T-19	Hanger D Sky Port Former UST	
T-20	Hanger D Former and Existing USTs	
T-21	Hanger E Former and Existing USTs	
T-22	Hanger E Former and Existing USTs	
T-23	Hanger E Former and Existing USTs	
T-24	Hanger G Former UST	
T-25	Hanger G Former and Existing USTs	
T-26	Hanger G Former and Existing USTs	
T-27	Hanger G Former and Existing USTs	
T-28	Hanger G Former UST	
T-29	Terminal Building Former and Existing USTs	
T-30	Hanger 6 Suspected UST	
T-31	Hanger F Suspected UST	

Notes:

All areas have been evaluated through a review of available records, and/or through intrusive subsurface investigation and no further investigation is warranted.
UST = Underground Storage Tank

There are several localized areas, discussed below, where the need for additional investigation or monitoring has been identified and is now ongoing.

Former Air National Guard Septic Area #3 – Area # 34

The groundwater in the former Air National Guard septic system area, south of Hangar 6 (Area #34 – Septic #3) has been impacted. The groundwater in this area flows towards Blind Brook and will not have an adverse impact on Rye Lake. The approximate location of Area # 34 is presented on Figure 2. The soil and groundwater investigation in this area included the collection of approximately 50 samples. The investigation identified volatile organic compounds (VOCs) in the groundwater in both the shallow (overburden) and deeper (bedrock) aquifers at concentrations above regulatory guidelines. Tetrachloroethene, trichloroethene, ethylbenzene and xylenes were identified in the shallow aquifer at concentrations above regulatory guidelines and tetrachloroethene was identified in the bedrock aquifer at concentrations above regulatory guidelines.

The extent of the contamination in the shallow aquifer has been delineated, however additional investigation of the bedrock aquifer is warranted. Two additional bedrock monitoring wells should be installed and sampled to delineate the extent of VOCs in the bedrock aquifer. Based on the results of this additional investigation, these wells may or may not be included in the Groundwater Monitoring Program, discussed below.

The area should also be investigated through a geophysical survey, specifically ground penetrating radar, to determine if a septic tank remains. If a septic tank is identified, it, along with any contaminated soil, should be removed to prevent the possibility of future discharges of VOCs to the area.

Aircraft Rescue and Firefighting (ARFF) Burn Pit - NYSDEC Spill #9911702 – Area #25

Historic aircraft rescue and firefighting operations conducted in this localized area impacted the surrounding soil and groundwater. The approximate location of the ARFF Burn Pit, Area #25, is presented on Figure 2. A total of 2,803 tons of soil was excavated from the ARFF Burn Pit area and post-excavation soil sampling verified that all contaminated soil has been removed. The excavation has been backfilled to grade.

The shallow groundwater in this area generally flows to the north, but based on available information, this area is believed to be part of the Rye Lake watershed. A trace amount of trichloroethene, well below the regulatory guideline, was identified in one of the three shallow monitoring wells in the area. Three shallow monitoring wells downgradient of the former ARFF burn pit, FMW-6, FMW-7 and FMW-15 are included in the Groundwater Monitoring Program discussed below.

In this area, groundwater in the deeper bedrock aquifer flows to the south away from Rye Lake. Vinyl chloride at a concentration above the regulatory guidelines and tetrachloroethene and trichloroethene at concentrations below regulatory guidelines were identified in the bedrock monitoring well in this area (FMW-23). The installation of two additional bedrock monitoring wells is warranted in the area of FMW-23 in order to determine the extent of vinyl chloride in the bedrock aquifer. Based on the results of the additional proposed investigation, a request to close this spill case may be made to the NYSDEC or further investigation may be warranted. In addition, depending on the results of the additional investigation, these bedrock wells may be included in the Groundwater Monitoring Program, discussed below.

Fuel Tank Farm Area - NYSDEC Spill #s 9309928, 9811558, 98006992, 9108093, 9811676 - Areas #12 through #16

The Fuel Tank Farm Area has been the site of past investigation and remediation activities, including the removal of approximately 8,000 tons of contaminated soil and the installation of a series of groundwater monitoring wells. It should be noted that this area is at the east end of the site, east of the groundwater divide, and therefore does not have the potential to impact Rye Lake. The approximate location of Areas #12-16 is presented on Figure 2.

The groundwater in the fuel tank farm area is currently being monitored on a quarterly basis by the Airport's consultant, HDR. The initial report produced by HDR identified free phase gasoline floating in one well (MW-G), and an unidentified free-phase product floating in another monitoring well. The first quarterly groundwater monitoring report for this area again identified free-phase floating gasoline in monitoring well MW-G, but no free-phase gasoline in any other wells. Subsequent groundwater monitoring reports should be reviewed to verify the localized groundwater flow in this area and to evaluate the need for further action. If free phase product continues to be identified and/or if groundwater with concentrations above regulatory guidelines is identified, additional investigation and or remediation may be warranted. Future remediation

of this area may include the active or passive recovery of free phase product from the groundwater. Monitoring well FMW-38, located in the general proximity of this area will be included in the Groundwater Monitoring Program to continue to evaluate impacts to groundwater in the Fuel Tank Farm Area.

Building 10 - NYSDEC Spill #0000994 – Area #36

The investigation and remediation of Area #36 was completed in order to address past releases associated with a 5,000-gallon diesel underground storage tank (UST), a 3,000-gallon gasoline UST and an associated pump island, previously removed. The approximate location of Area #36 is presented on Figure 2. Post excavation soil sampling results confirmed that soil removal activities were complete, however downgradient (to the north) groundwater samples (from FMW-17 and FMW-27) identified the presence of VOCs above regulatory guidelines, indicating that the groundwater has been slightly impacted by the former tank operations.

Contaminants from this area are not migrating off site and the extent of VOCs in the groundwater in this area is limited. There are no VOC concentrations above regulatory guidelines in groundwater samples collected downgradient of FMW-27. Specifically, groundwater samples from monitoring wells FMW-15 and FMW-16 and temporary monitoring wells GB-25, GB-26 and GB-27, located approximately 400 feet downgradient (north) of FMW-27, had no concentrations of VOCs above regulatory guidelines.

Based on the VOCs detected at FMW-17 and FMW-27, the continued monitoring of these locations is warranted to document the natural attenuation of VOCs in groundwater and to allow for closure of this NYSDEC spill case. These wells will be monitored as part of the Groundwater Monitoring Program, discussed below.

Former Air National Guard Area - NYSDEC Spill #9011175 – Area #19

The past removal of a 2,500-gallon UST in this area resulted in the installation of three monitoring wells (DPW-1 through DPW-3) to evaluate the effectiveness of the remediation and groundwater quality in the area. The approximate location of Area #19 is presented on Figure 2. Based on the location of the groundwater divide, Area #19 is located primarily in the Blind Brook watershed; however, due to possible seasonal variations in groundwater elevations, groundwater in this area may flow into either the Blind Brook or Rye Lake watersheds. Monitoring wells are present in nearby areas downgradient of Area #19 in both watersheds to

monitor groundwater quality as part of the Groundwater Monitoring Program. During this and previous investigations, the VOCs, ethylbenzene, xylenes and 1,2,4-trimethylbenzene, and two SVOCs, chrysene and benzo(b)fluoranthene, were identified at concentrations slightly above regulatory guidelines in one of the three monitoring wells, DPW-2. Groundwater quality in monitoring wells DPW-1 and DPW-3, located on either side of DPW-2, is below regulatory guidelines, demonstrating the detections identified at DPW-2 are localized. Although this spill case has been previously closed by the NYSDEC, continued groundwater monitoring is recommended to verify that natural attenuation is continuing to effectively reducing VOC and SVOC concentrations to levels below regulatory guidelines. Monitoring well DPW-2 is included in the Groundwater Monitoring Program, discussed below.

Building 1 - NYSDEC Spill #9713222 – Area #22

The past removal of a 3,000-gallon UST was investigated by the collection of a groundwater sample at the former UST location. Groundwater in this area flows away from Rye Lake. The location of Area #22, the site of a spill case previously closed by NYSDEC, is presented on Figure 2. During the investigation, petroleum staining was observed and VOCs and SVOCs were detected in groundwater above regulatory guidelines. The impact to groundwater to the north, downgradient, has not been fully defined.

Although the spill case has been closed, additional investigation of this area is warranted and should include the installation of three soil borings to evaluate the extent of petroleum impacted soil present and the installation of three permanent monitoring wells, one at the former UST area and two hydraulically downgradient to evaluate groundwater quality. The results of this additional investigation would be used to determine the need for additional action, including monitoring and/or possible remediation.

Hanger B - NYSDEC Spills #9809015 & #9811689 - Areas #26 & #27

These areas were investigated to determine the potential impact to the area resulting from USTs, either removed or abandoned in place. The approximate location of Areas #26 and #27 is presented on Figure 2. Based on the results of this and previous investigations, soil and groundwater in the vicinity of the USTs near Hanger B have been impacted with VOCs. While groundwater in this vicinity does flow in the direction of Rye Lake, wells down gradient of this area demonstrate no exceedances of regulatory guidelines.

The Airport will be demolishing Hanger B as part of the construction of a new taxiway. This area will be remediated at that time. The remediation should include post-excavation sampling and groundwater monitoring as dictated by NYSDEC requirements to ensure appropriate closure of the associated Spill Case #9811689. Spill #9809015 was previously closed by the NYSDEC.

NYSDOT Landfill Off-Site Location – Area #31

The Harrison Subresidency Area, also referred to as the NYSDOT Landfill, located off site between the Airport and Rye Lake has two separate areas that have been investigated by others under the direction of NYSDOT, a landfill, and a groundwater contamination plume associated with three USTs removed in 1994. The approximate location of Area # 31 is presented on Figure 2. The landfill closure has been approved by the NYSDEC and is now in the groundwater monitoring stage. The groundwater contamination plume associated with the former USTs is being treated by an air sparge/soil vapor extraction system that commenced operation in October 2000.

Based on a preliminary review of available documentation, the extent of groundwater contamination present has not been fully delineated vertically and the installation of additional deep monitoring wells by NYSDOT may be warranted. Well construction information should be provided and reviewed to determine the specific hydrologic units being monitored (shallow versus deep) and to evaluate groundwater flow direction both horizontally and vertically in order to optimize the locations and construction of additional monitoring wells, as necessary. Future quarterly groundwater monitoring reports should be reviewed as they become available to determine if past and ongoing remedial activities are sufficient to prevent detrimental impacts to Rye Lake. Monitoring wells DEPMW-1 and DEPMW-2, located off-site near the shore of Rye Lake, are included as sentinel wells in the Groundwater Monitoring Program, discussed below, to further evaluate potential future impacts from the Harrison Subresidency Area.

Hangar B - Septic 1 – Area #32

The investigation of the septic system for Hanger B identified the VOC (1,4-dichlorobenzene) at a concentration slightly above the regulatory guideline, 3.14 ppb versus a guideline of 3 ppb, in one groundwater sample from a temporary monitoring well. However, the VOC concentration of 3.14 ppb was below the laboratory method detection limit of 5 ppb and is therefore an estimated

value. In order to verify if the VOC detected is representative of site conditions and is in fact above the regulatory guideline, the groundwater at this location should be resampled for VOCs. Further MW-1, the nearby sentinel well will be included in the Groundwater Monitoring Program. The approximate location of Area #32 is presented on Figure 2.

Weights and Measures Building - NYSDEC Spill #0008724 – Area #38

The investigation of the Weights and Measures Building, adjacent to the former Air National Guard UST tank farm area, identified VOCs and SVOCs in groundwater above regulatory guidelines. This area is southeast of the groundwater divide, therefore groundwater in this area flows away from Rye Lake. The approximate location of the Weights and Measures Building is presented on Figure 2.

In order to investigate the extent of VOCs and SVOCs above regulatory guidelines the installation and sampling of three additional monitoring wells is proposed. One monitoring well is proposed in the area of the previous groundwater sample at GB-40, the other two additional monitoring wells are proposed downgradient of GB-40 to evaluate the extent of VOCs and SVOCs in the groundwater in this area. Upon receipt of the results a determination will be made as to further action required to close this spill case.

T-1 Former Airfield Blockhouse - NYSDEC Spill #0009172

The investigation of a former diesel UST at this location identified VOCs and SVOCs in the soil and groundwater above regulatory guidelines. The approximate location of T-1 is presented on Figure 2. This area is southeast of the groundwater divide, therefore groundwater in this area flows away from Rye Lake. Although the free phase floating petroleum product identified at this location was fingerprinted to closely resemble #2 fuel oil, it is suspected that this material is in fact diesel fuel as diesel fuel and #2 fuel oil are nearly identical. The extent of petroleum-impacted soil in this area should be investigated and remediated, as necessary. After remediation, the groundwater in this area should be monitored including the installation of additional monitoring wells as necessary. These wells would then be included in the Groundwater Monitoring Program.

Hanger D-1, Bay 2 – Area #8

The presence of chlorinated solvents in the groundwater in this area is being investigated by independent consultants working on behalf of ExxonMobil. The groundwater in this area flows to the southeast, away from Rye Lake. The approximate location of Hangar D-1, Bay 2 is presented on Figure 2. The results of the latest and each successive round of groundwater sampling should be reviewed as they become available to determine the need for additional investigation and/or remediation. Several monitoring wells in this area are also included in the Groundwater Monitoring Program discussed below.

Hanger D-1 Bay 1 - NYSDEC Spill #9813569 – Area #9

This area of petroleum-contaminated soil was recently remediated under the supervision of Malcolm Pirnie. They are currently preparing the closure report. Groundwater flow in the area of Hanger D-1 flows to the east, away from Rye Lake. The closure report for this remedial action should be reviewed to evaluate if any further action is warranted. The approximate location of Hangar D-1 Bay 1 is presented on Figure 2.

BACKGROUND INFORMATION AND TECHNICAL OVERVIEW

On August 11, 1999 First Environment, Inc. (First Environment) was retained by the Westchester County Department of Transportation (WCDOT) to determine if groundwater flow beneath the Westchester County Airport (the Airport) flows toward Rye Lake and, if so, develop a sampling plan to determine if the groundwater has been impacted by Airport activities. The initial hydrogeologic study, the results of which were reported in a document entitled Draft Groundwater Flow Evaluation and Sampling Plan (the Draft Groundwater Report), and the subsequent investigation, were initiated voluntarily by the WCDOT as a responsible environmental steward, rather than due to any legal obligation.

The mission assigned to First Environment was actually threefold. First, to complete a hydrogeologic evaluation of the Airport to develop a conceptual understanding of groundwater flow patterns and recharge areas. Second, to conduct a detailed evaluation of the Airport property to identify all possible contaminant sources and to investigate each possible source individually to determine its effect, if any, upon the surrounding environment, including groundwater that could ultimately discharge to Rye Lake. This second phase would include document reviews and intrusive field investigations, as necessary. Third, to develop a groundwater monitoring program that will ensure the County's ability to systematically evaluate and react to any potential groundwater contamination threat from the Airport to the waters of Rye Lake and the surrounding environment. The Groundwater Monitoring Program will be incorporated into the environmental management system (EMS) being developed and implemented by the Airport so that groundwater monitoring data will be integrated into all Airport management actions.

As a result of the first task, First Environment determined that a relatively small portion of the groundwater flow beneath the surface of the Airport moves toward Rye Lake. Specifically, the groundwater in the north and southwestern portions of the Airport flows in a westerly direction towards Rye Lake. Groundwater in the rest of the Airport flows toward the east and southeast away from Rye Lake.

The second task was an iterative process and involved an initial investigation phase, not necessarily intrusive, whereby documents related to Airport operations and incidents were

reviewed. Data gaps were identified and recommendations were made to close these gaps, either by virtue of additional documentation or intrusive investigation.

The results of task 1 and the document review portion of task 2 were detailed in the Draft Groundwater Flow Evaluation and Sampling Plan Report dated February 2000 (the Draft Groundwater Report). The Draft Groundwater Report discussed the hydrogeologic findings and presented an area-by-area (referred to as Study Areas in the Draft Report) discussion of both present and past on-site activities, including but not limited to spill events, for which information was available, with regard to their potential to adversely impact the soil and/or groundwater in the Project Area. Recommendations were made for additional investigation, as appropriate.

Copies of the Draft Groundwater Report were distributed to the regulatory community and the community at large. The Draft Groundwater Report was shared with concerned State, New York City and local governmental agencies, environmental agencies, environmental organizations, Airport neighbors and other citizens concerned with the possible impact of the Airport on Rye Lake and the surrounding environment. It was discussed in detail at several public meetings through the Spring of 2000, including a meeting of the Board of Legislators' Environmental Committee and a meeting of the Airport Advisory Board. Discussions revolved around the findings of the report, the iterative nature of the process, the ultimate goal, and concerns of the public. Technical comments were received from government agencies including the New York State Department of Environmental Conservation (NYSDEC), the New York City Department of Environmental Protection (NYCDEP), and the New York State Attorney General's office, as well as from environmental organizations and the public at large.

After meeting with representatives of Attorney General Elliot Spitzer's office, including John Tierney, Inspector General for the New York City Watershed, and in an effort to respond to these comments and keep the project moving along, the Airport prepared an Investigation Work Plan dated June 2000 (the Work Plan). The Work Plan responded directly to the issues raised in the State Attorney General's technical recommendations and to comments and concerns raised by the NYSDEC and the NYCDEP. The Work Plan identified and described, based on information available at the time of the writing, the proposed investigation / remediation activities in the above-referenced Study Areas as well as investigations in those instances where underground storage tanks have been closed, but official closure reports are not available. In addition, it included by reference, individual Work Plans that have been submitted to and

approved by the NYSDEC with regard to the closure of open spill cases on-site. Reference should be made to the Draft Groundwater Report for details regarding the Study Areas.

The additional investigation/remediation activities described in the Work Plan were designed to develop a complete set of data necessary to confirm groundwater flow conditions at the Airport, to confirm that the operations at the Airport are not adversely impacting Rye Lake or the surrounding environment and to design and develop a groundwater monitoring program that will ensure the County's ability to systematically evaluate and react to any potential groundwater contamination threat from the Airport to the waters of Rye Lake and the surrounding environment.

The specific objectives of the site investigation are discussed below:

- Conduct additional hydrogeologic investigations to more thoroughly determine groundwater flow patterns and delineate the groundwater divide at the Airport.
- Identify all possible contaminant sources through a thorough evaluation of the site, investigate each potential source to determine its potential impact and develop a complete set of data necessary to determine if the operations at the Airport are or are not adversely impacting Rye Lake or the surrounding environment. This evaluation included both the review of available documentation, interviews with Airport personnel and Air National Guard (ANG) personnel in Latham, NY, as well as intrusive investigations consisting of soil and/or groundwater sampling.
- Address open spill case issues and resolve via additional investigation and/or remediation as warranted.
- Develop a groundwater monitoring program that will ensure the County's ability to systematically evaluate and react to any potential groundwater contamination threat from the Airport to the waters of Rye Lake and the surrounding environment.

First Environment has prepared this Site Investigation Report (SIR) for the Airport on behalf of the WCDOT. The SIR discusses the findings of the additional investigation/remediation activities conducted at the Airport in accordance with the Work Plan. The Work Plan was designed to serve as a compilation of action items in response to concerns raised by interested parties after completion of the hydrogeologic study, originally initiated in August 1999.

As the investigation progressed, the scope expanded beyond that initially proposed in the Work Plan to ensure any additional potential concerns were investigated as they were identified. The site investigation and remediation activities associated with each Area are described below. Note that Area designations set forth in previous reports prepared by First Environment will remain consistent throughout and additional Areas have been added, as necessary.

Soil sample analytical results were compared to the NYSDEC Technical and Administrative Guidance Memorandum #4046 (TAGM) recommended soil cleanup objectives. The Spill Technology and Remediation Series Memo #1 (STARS) guidance values are referenced within the text of this report for previous sampling of historic petroleum releases only. Based on discussions with personnel at the NYSDEC, the NYSDEC is shifting from two standards (TAGM and STARS) to one unified standard based on the TAGM.

All groundwater analytical results were compared to the Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (TOGs) for GA water class for groundwater.

The analytical results for soil and groundwater samples collected at the site by First Environment are presented on Tables 3A through 23B and 25A through 26. For ease of review, only those analytes detected in any samples on site during this investigation are listed on the tables. Analytes detected at one part of the site but not detected, or not analyzed at another part of the site are also identified on the tables.

The specific list of analytes tested for was based on the analytical methodology used by the certified laboratory. For example, analysis for volatile organic compounds (VOCs) using EPA Method 8021 tests for a slightly different list of VOCs than if analysis were conducted by EPA Method 8260. Analytical methods were selected to target the specific type of release being investigated in accordance with NYSDEC requirements. For example, suspected petroleum releases were typically investigated by analyzing VOC samples using EPA Method 8021, while suspected releases of unknown substances were analyzed by EPA Method 8260.

All sampling activities were conducted pursuant to First Environment's Quality Assurance/Quality Control Procedures set forth in Appendix 1 of the Draft Groundwater Report. A glossary of frequently used terms is provided in Appendix 1.

ENVIRONMENTAL SETTING
SITE DESCRIPTION AND BACKGROUND

The Airport site consists of 697 acres of land, about a third of which lies within the New York City water supply watershed draining to Rye Lake to the west. The other two thirds of the site lies in the Blind Brook watershed. As used in this report, the term Project Area refers to the area within the boundaries of the Airport. The Harrison Subresidency Site consists of the area between the Airport and Rye Lake owned and operated by the New York State Department of Transportation, and although outside of the Project Area, it is included in the discussion as an off-site Study Area (#31).

The site is surrounded by mixed use-areas including woodlands, golf courses, industrial, residential and watershed areas. Airport Road and woodlands generally bound the site to the east. Beyond the woodlands is a golf course and other uses including a convent and a hospital. To the south of the site are woodlands, and a golf course. To the west, woodlands and Route 120 generally bound the site; further west is Interstate 684, and Rye Lake. Airport Road bound the site to the north; beyond Airport Road are woodlands and industrial buildings.

The airport has grown during its 58 years of operation. In an effort to gain an understanding of past and present activities in the Project Area, First Environment met with and interviewed appropriate Airport personnel and other individuals who were able to provide background information on past and current activities at the airport. Specifically, in order to determine past and current site activities and to gain a better understanding of site conditions, various entities were contacted including Airport operators, Airport tenants, the Air National Guard, the Westchester County Department of Transportation, the New York State Department of Transportation, The New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and other environmental consultants conducting investigations at the site. A list of documents reviewed for background information is presented in Appendix 2. A summary of the site history is presented below.

The United States Army initially constructed the site as an air base in 1942. The Air National Guard (ANG) operated at the site from 1947 until at least 1981. The following history has been determined based on a review of site figures, which were retrieved from the ANG Headquarters in Latham, NY.

- A Map from 1947 identifies a "motor service shop", investigated herein as part of Area #19; a "paint oil & dope bldg.", investigated herein as part of Building 4 (Weights and Measures), Area #38; and two proposed 25,000-gallon tanks investigated herein as Area #18.
- A plan of utilities from 1948 identifies two 25,000-gallon tanks investigated herein as Area #18. A septic tank and two sand filters that received sanitary discharges were located in the area and have been investigated herein as Area #34 – Former Air National Guard Septic 3.
- The Master Plan for the Airport from 1955 identifies the septic sand filters investigated as Area #34 Septic 3.
- The plan for the Addition to Administration Building from 1962 shows the details for the installation of a 1,000-gallon fuel oil tank that is investigated herein as Area #21.
- A figure entitled Proposed Auxiliary Power Supply from 1966 identifies the septic sand filters investigated herein as Septic 3, the "Motor Pool" investigated herein as Area #19 and an area of "Fuel" investigated herein as part of Area #18.
- A Schedule of Existing Facilities from 1967 identifies the "Motor Vehicle Maint.", Building 4 as having a 3,000 gallon tank from 1951, that was investigated as Area #19, but was described as a 2,500-gallon tank. The schedule also refers to the "Paint Oil and Dope Storage", Building 9, investigated herein as the Weights and Measures Building, Area #38. The schedule also shows the 100,000 gallons of aviation fuel storage investigated herein as Area #18 (fourX25,000 gallons).

Historical aerial photographs of the Project Area were reviewed for the years 1940, 1947, 1954, 1961/1962, 1969/1970, 1976, 1986 and 1995 to ascertain the airport development over time and to identify past practices in order to determine potential environmental impacts to the Airport and surrounding area. The aerial photographs were examined for evidence of dumping, landfilling operations, storage activities, stressed vegetation and/or any other possible Study Area. Aerial photographs confirmed our understanding that as of 1940, the Project Area was vacant and generally woodlands. The 1947 aerial photograph shows the Airport with few structures present. The 1976 aerial photograph shows the Airport more fully developed, but no evidence of dumping or other potentially adverse conditions could be viewed from the photos. In 1986 and 1995, there is evidence of what is reportedly stockpiled soil from construction of the terminal building, located in the Air National Guard Dump area. Additional historical information is presented in subsequent sections of the report for individual Study Areas, as appropriate.

PHYSICAL SETTING

TOPOGRAPHY AND SURFACE WATER DRAINAGE

The topography at the Airport is generally flat and slopes gently to the south. The eastern and western edges of the Airport slope to the east and west, respectively. The Airport elevation is approximately 425 feet above mean sea level (msl) at the northern edge of the Project Area and generally slopes to 375 feet above msl at the southern extent of the Airport property. The majority of the Project Area is unpaved and covered with grasslands, and to a lesser extent woodlands and wetlands and stormwater detention basins. The balance of the site is covered with buildings and asphalt pavement, including parking areas, runways, aircraft taxiways and roadways. The buildings on site consist of aircraft hangers, passenger terminals, service buildings and a parking garage.

The area west of the Airport, between the Airport and Rye Lake, is included within the scope of the Project Area. The topography in this area generally slopes from the Airport at 430 feet msl to the west to Rye Lake at 365 msl. Route 120 bisects this area, which consists primarily of woodlands, and Interstate 684, which is generally oriented north-south.

Surface water run off from the Airport's current aviation operations flows into catch basins that discharge to storm water Detention Basins A and B or directly to Blind Brook. Detention Basins A and B were recently constructed along the southern boundary of the Airport on either side of Blind Brook to collect surface water runoff during peak storm events. The detention basins discharge into Blind Brook, in accordance with a State Pollution Discharge Elimination System (SPDES) permit. All outflows from the Airport drainage system are strictly monitored in compliance with the SPDES permit. Based on a review of United States Geologic Survey (USGS) quadrangle maps, Blind Brook ultimately discharges to the Long Island Sound, approximately 7 miles south of the site. Surface water from non-aviation operations drains to Rye Lake and Blind Brook through additional storm water management system discharge points.

According to conversations with the NYCDEP, some surface water runoff does enter Rye Lake from Route 120/I-684. According to the NYCDEP, the New York State Department of

Transportation (NYSDOT) is considering the construction of detention basins to collect surface water runoff during the upgrade of I-684.

GEOLOGY

The geology at the Airport consists of shallow overburden soil overlying bedrock. Based on regional maps, the overburden on site consists of glacial till, although isolated areas of glacial outwash are identified in the vicinity. Based on site observations during this investigation and reports prepared by others for the site, the unconsolidated overburden consists of topsoil, fill, glacial till and glacial outwash deposits. The fill consists primarily of reworked native soils consisting of glacial till and outwash. The glacial deposits consist mainly of yellow-brown micaceous sand and cobbles, although lenses of clay and silt are inter-bedded.

During drilling activities, First Environment identified weathered metamorphic schist bedrock, representing the transition zone between the overburden and the competent bedrock, at depths ranging from 1 foot at T-27 to 20 feet at FMW-34. Weathered bedrock was observed on site at the overburden/bedrock interface and ranged in thickness from approximately 5 to 10 feet. The weathered bedrock varied in appearance from micaceous sand at shallow depths to deteriorated rock fragments near the interface with competent bedrock.

Based on a review of publicly available literature the bedrock underlying the site consists of Manhattan Schist. The Inwood Marble underlies the Manhattan Schist, which terminates near the west end of the site near Rye Lake. The Inwood Marble is underlain by the Fordham Gneiss. A detailed description of the regional geology is presented in Appendix 3.

Competent bedrock was encountered during this investigation at three borings at depths of 11 feet at FMW-23, 30 feet at FMW-35 and at 21 feet at FMW-36. Competent bedrock was reported by Haley & Aldrich, Inc. during a previous investigation in the west central area of the site, identified on Figure 2 by monitoring wells GEMW-1, 2 and 3, at a depth of 18 feet.

Soil boring logs and well construction diagrams are presented in Appendix 4.

SITE HYDROGEOLOGY

Groundwater underlying the site was identified in two units, an unconfined aquifer consisting of unconsolidated soils and the uppermost weathered bedrock, and the confined aquifer that is contained within the schist bedrock unit.

UNCONFINED (OVERBURDEN) AQUIFER

Within the Project Area, the water table was encountered in the overburden deposits at depths that ranged from 1.5 to 20 feet below grade. Based on site observations during field activities, groundwater in the shallow aquifer occurs under unconfined (water table) conditions. Groundwater will tend to flow more freely through the rich sand and cobblestones associated with glacial outwash, whereas its movement will be retarded and perched in the clay and silt layers associated with glacial tills. Perched groundwater refers to groundwater located in zones above the water table.

CONFINED (BEDROCK) AQUIFER

Groundwater within the Manhattan Schist bedrock is expected to occur within fractures, joints and seams within the bedrock. The orientation of the fractures, joints and seams along with the hydraulic gradient and hydraulic conductivity will dictate groundwater flow direction and velocity within the bedrock, as described below.

GROUNDWATER FLOW DIRECTION AND VELOCITY

Based on a synoptic round of water levels collected from 50 wells and 2 stream gauges on December 5, 2000, groundwater elevations in the overburden aquifer ranged from 428 feet near Building 9, to 356 feet above msl near the border of Rye Lake. Note that groundwater elevation data was used from 49 of the 50 wells. One could not be located by the surveyor and as such elevation measurements could not be generated. Groundwater elevations are presented on Table 1 and Figures 7 and 8, which also show groundwater elevation contours and groundwater flow direction.

As previously discussed in the Draft Groundwater Report, there is a groundwater divide in the shallow (overburden) aquifer that bisects the site. The groundwater divide represents the border of the two watersheds on site, with groundwater west of the divide flowing towards Rye Lake, and groundwater east of the divide flowing towards Blind Brook to the south and east. The groundwater divide is generally oriented north-south and is shown on Figure 7. The groundwater divide is illustrated on all of the attached Figures. Locally, a slight mounding of groundwater was observed at FMW-1R, potentially due to recharge in this area of a topographic high. This is not expected to have a significant impact on site-wide groundwater flow. Groundwater elevations are subject to seasonal variations that may cause slight shifts in the groundwater divide and groundwater flow direction. However the general groundwater flow pattern is not expected to vary significantly from that shown on Figure 7.

The hydraulic gradient (a measure of the slope of the water table surface) is the primary factor affecting groundwater flow direction, and one of several factors affecting groundwater flow rate. The hydraulic gradients within the overburden aquifer west of the groundwater divide (flowing towards Rye Lake) typically ranged from 0.03 ft/ft to 0.07 ft/ft. The hydraulic gradients within the overburden east of the groundwater divide (flowing towards Blind Brook) typically ranged from 0.02 ft/ft to 0.04 ft/ft.

In-situ aquifer permeability testing (slug tests) were conducted to ascertain information to determine the velocity of groundwater flow in the shallow and bedrock aquifers. Based on the results of the in-situ aquifer permeability testing, the approximate range of hydraulic conductivities (the permeability of the saturated zone) for the overburden was calculated. The results of the slug tests are presented in Table 2 and Appendix 5. The calculated hydraulic conductivity for the overburden ranged from a low of 0.06 ft/day at FMW-11 near the center of the site, to a high of 8.34 ft/day at FMW-3 near the southwest corner of the site. Generally, the highest hydraulic conductivity values were identified on the western end of the site, near Rye Lake. Hydraulic conductivities within the Rye Lake watershed ranged from 0.06 ft/day to 8.34 ft/day. Hydraulic conductivities within the Blind Brook watershed ranged from 0.06 ft/day to 3.62 ft/day.

Groundwater velocity was calculated for each of the two watersheds based on the calculated hydraulic conductivities, the hydraulic gradients as depicted on Figure 7 and an assumed porosity of 0.3. The groundwater velocity in the Rye Lake watershed ranged from 0.003 to 2.25

feet per day with an average groundwater velocity of 0.48 feet per day. The groundwater velocity in the Blind Brook watershed ranged from 0.004 to 0.82 feet per day with an average groundwater velocity of 0.14 feet per day.

Based on the groundwater elevation data for bedrock monitoring wells (5 points), groundwater within the bedrock flows to the south with an estimated hydraulic gradient of 0.01 ft/ft. The groundwater elevations and flow direction for the bedrock aquifer are shown on Figure 8. The exact groundwater flow direction could be further refined by the installation of additional bedrock monitoring wells.

VERTICAL HYDRAULIC GRADIENT

There are three monitoring well couplets on site, each consisting of a shallow (overburden) well paired with a deeper (bedrock) monitoring well. The monitoring well couplets are FMW-6/FMW-23, FMW-12/FMW-36, and FMW-34/FMW-35. Based on the groundwater elevation measurements collected from these monitoring well couplets, there is an upward hydraulic gradient of 0.05 ft/ft at FMW-6/FMW-23, but a slight downward gradient of 0.012 ft/ft at FMW-34/FMW-35. Based on the hydraulic gradient between the shallow (overburden) and deep (bedrock) hydrologic units, groundwater on site will tend to flow from the shallow water-bearing zone to the deeper bedrock aquifer at FMW-34/FMW-35, but upward at FMW-6/FMW-23. Additional rounds of groundwater elevation measurements will verify the initial findings discussed above. The actual rate of groundwater flow between the deep and shallow units is dependent on the vertical hydraulic conductivity, which was not evaluated during this investigation.

SITE INVESTIGATION ACTIVITIES

The scope of the investigation of each Study Area (Area) was based on information gathered during previous phases of investigation by First Environment, comments from the NYSDEC, NYCDEP and the NYS Attorney General's Office and the results of ongoing site investigation activities and other issues that have been identified. The field investigation techniques are discussed below. The specific scope of work, including the number and locations of samples and sample analysis, are discussed in subsequent sections and are discussed by Area.

The field investigation activities consisted of drilling soil borings installing temporary and permanent monitoring wells, and the collection and analysis of soil and groundwater samples. A total of approximately 125 soil samples, upwards of 30 post excavation soil samples and 130 groundwater samples from temporary and permanent monitoring wells were collected, submitted for laboratory analysis, and evaluated. In addition a synoptic round of groundwater levels was collected from 50 monitoring well locations and two stream gauges. (Only data from 49 wells was used in the evaluation.) In situ aquifer permeability tests (slug tests) were conducted at twenty three monitoring wells in order to evaluate hydraulic conductivity in the overburden aquifer. The procedures for the field activities are summarized below.

FIELD TECHNIQUES

SOIL BORINGS

Soil borings were advanced by Geoprobe direct push, hollow stem auger, or air-rotary methods. First Environment advanced Geoprobe borings, hollow stem auger borings were advanced by Summit Drilling of Flemington, New Jersey and Enviroprobe of Marlinton, New Jersey, and air-rotary borings were advanced by CT&E Environmental Services, Inc. of Westfield, New Jersey. During the drilling of soil borings, split spoon soil samples were collected and First Environment's geologists recorded geology using the Unified Soil Classification System (USCS). Split spoon soil samples were screened for organic vapors by First Environment using a photoionization detector (PID). Soils were logged continuously to the completed depth of the boring. Soil description, groundwater level, visual and olfactory observations were recorded. Soil boring logs are presented in Appendix 4.

SOIL SAMPLING

Soil samples were collected from either soil borings during investigative activities, or directly from excavation areas during remediation activities. Soil sample depth intervals from soil borings were based on either field observations, PID readings, staining and/or odors, or if there was no field indications of contamination, at the six-inch interval immediately above the water table. Post-excavation soil samples collected during excavation activities were collected at an approximate frequency of approximately one sidewall sample per 35 linear feet of excavation sidewall and one bottom sample per 1,000 square feet of excavation area. Soil samples were placed in laboratory-supplied containers and cooled to 4°C. The soil samples were then transported to the analytical laboratories under chain of custody.

TEMPORARY MONITORING WELL INSTALATION

Temporary monitoring wells consisted of a 1-inch diameter flush joint polyvinyl chloride (PVC) slotted screen and riser casing inserted into the borehole after completion of the geoprobe borings at selected locations. No filter pack sand or bentonite seal was added to the borehole due to the temporary status of the wells.

OVERBURDEN MONITORING WELL INSTALATION

All permanent overburden wells were installed using a Hollow Stem Auger Rig except for FMW-33, which was completed by air-rotary method. The overburden wells were constructed of two-inch diameter schedule 40 threaded, flush joint, PVC casings and slotted screens. Upon completion of the borings, a 10-foot long section of 0.010-inch slotted well screen was installed through the hollow stem augers, typically from approximately 7 feet below to 3 feet above the water table. (Note that there were a couple of wells that required a shorter well screen.) The remainder of the well consisted of 2-inch casing, which extended to the ground surface. Clean filter sand was placed in the annulus between the screen and the borehole to a level of at least 1 to 2-feet above the top of the screen as the augers were removed. A bentonite pellet seal was placed on top of the filter sand. The remainder of the annulus was grouted with a cement bentonite grout appropriate for use in monitoring wells. The surface protection for all permanent monitoring wells consisted of either a protective steel flush-mount steel road box, or steel casing stick up. All monitoring wells were secured with locking caps. All well construction forms are presented in Appendix 4.

Upon the completion of the monitoring well installation, each well was developed to a sediment free discharge by either pumping or bailing. The development removed fines generated during the installation and ensured that hydraulic continuity is established between the well and the aquifer. A New York Licensed Surveyor surveyed each monitoring well. The top of the innermost casing (excluding the cap) was surveyed to the nearest 0.01 foot. The survey point was the highest point of the casing. The survey point was marked on each well.

BEDROCK MONITORING WELL INSTALLATION

The three bedrock wells (FMW-23, 35 and 36) were installed to depths ranging from 43 to 56 feet below grade. The depth of these well was based on the depth to competent bedrock. The bedrock monitoring wells were installed as a double cased well to prevent the potential for cross contamination from the overlying overburden aquifer. The outer casing was constructed of 6-inch diameter steel casing grouted 10 feet into competent bedrock. After the outer casing had been grouted into place, the boring was drilled by air rotary method by inside the 6-inch steel casing to its final depth. The inner casing and screen consisted of 2-inch schedule 40 PVC and

was installed through the 6-inch steel casing and completed as discussed above for overburden wells. All well construction forms are presented in Appendix 4.

GROUNDWATER ELEVATION MEASUREMENTS

In order to determine groundwater flow direction and hydraulic gradient, First Environment collected a synoptic (same day) round of water level measurements on December 5, 2000. The synoptic round was conducted in order to determine groundwater flow in the shallow overburden aquifer as well as in the bedrock aquifer. Prior to collecting water level measurements, the wells were allowed to equilibrate to atmospheric pressure. The water level and total depth for each monitoring well was measured from the top of the PVC casing using an electronic water level indicator to an accuracy of 0.01 foot. The groundwater elevation at each location was calculated by subtracting the measured depth to groundwater from the surveyed elevation of the PVC casing of each monitoring well.

Groundwater levels were measured in a total of 50 monitoring wells on site including all 38 monitoring wells installed by First Environment. Groundwater elevations were calculated for 49 of these wells. Other monitoring wells measured included two NYCDEP wells monitoring wells near the eastern shore of Rye Lake (DEPMW-1 and 3), and on site wells installed by others identified as GEMW-1 and 2, PMMW-1, TEXMW-3 and 4, BBL-1, and DPWMW-1, 2 and 3. Surface water measurements were collected at two stream gauges installed on site, identified as FSG-1 and 2. The surface water elevation for Rye Lake was based on the Kensico Reservoir Station elevation obtained from the NYCDEP.

The former supply well WW-1 was not accessible as the vault containing the well had previously been filled with soil during recent re-grading activities. The current supply well on site was not accessible due to a pump installed in the well and associated electrical controls mounted on the well casing. Piezometer locations CHAPZ-1 and 2 were not accessible, as the aircraft taxiway in which they were installed has been repaved, destroying the two piezometers.

Groundwater elevations are presented in Table 1. Groundwater elevation contours and estimated groundwater flow in the overburden aquifer are presented on Figure 7. Groundwater elevation contours and estimated groundwater flow in the bedrock aquifer are presented on Figure 8.

AQUIFER TESTING

In order to determine the site specific hydraulic conductivity of the overburden on site, First Environment conducted rising head and falling slug tests at 20 monitoring wells installed by First Environment, and at the following previously installed monitoring wells: DEPMW-1, DEPMW-3, TEXMW-1, PMMW-1, BBLMW-1 and DPWMW-2. Monitoring wells CHAPZ-1 and 2 could not be tested because they were constructed with 1-inch diameter casings and therefore would not be representative of aquifer conditions. Production well WW-1 was not accessible for testing.

Prior to testing each well, all down hole equipment (pressure transducer and slug) was thoroughly decontaminated to prevent potential cross contamination between wells. The field permeability testing consisted of inserting a pressure transducer, connected to a datalogger, into the well to be tested, to a depth immediately above the base of the well. A sealed, sand-filled PVC pipe one-inch diameter by five feet long (slug) was then inserted into the well, and the groundwater level in the well was permitted to recover to approximately 90 percent of the initial groundwater level displacement (falling head test). The slug was then removed and the water level was once again permitted to recover to approximately 90 percent of the initial water level displacement (rising head test).

Aqtesolv for Windows Version 3.0 using the Bouwer and Rice Method was utilized to calculate the hydraulic conductivity (permeability) based on field test data for each well. The results of the hydraulic conductivity analysis are presented in Table 2 and Appendix 5. Well construction information and estimates of aquifer thickness based on available information were used for the hydraulic conductivity calculations. Well construction information was not available at the time this report was generated for monitoring wells TEXMW-1, PMMW-1, BBLMW-1 and DPWMW-2 therefore hydraulic conductivity calculations could not be completed for those locations. Hydraulic conductivity calculations for these additional well will be forwarded when well construction data is received.

GROUNDWATER SAMPLING

In order to prevent possible cross contamination, disposable sampling equipment (bailers, tubing) was used for sampling where possible, and reusable equipment (submersible pumps) were thoroughly decontaminated between locations.

The sampling of temporary monitoring wells consisted of using a bailer to collect a groundwater sample. Due to the limited casing volume and the construction of the temporary monitoring wells without a filter pack, the temporary monitoring wells were not purged prior to the collection of groundwater samples.

All permanent monitoring wells were purged prior to sampling. The purging consisted of the removal of a minimum of three well volumes of standing water from the well in order to ensure groundwater representative of the surrounding aquifer was sampled. After removal of each well volume, the discharge water was field tested for dissolved oxygen, pH, temperature and conductivity to confirm that conditions had stabilized, verifying the groundwater to be sampled is representative of the surrounding aquifer rather than stagnant groundwater from the well casing.

After purging, samples were collected using disposable Teflon bailers and were placed into laboratory-provided sample bottles. The samples were preserved according to the requirements of the specific analytical methods and cooled to 4°C. The samples were then transported to the analytical laboratory under chain of custody.

SITE STUDY AREAS

Each of the 39 Study Areas identified on site is discussed separately below. The location of each Study Area is presented on Figure 2. In addition, each Study Area is shown in one of three expanded figures each showing approximately one third of the Airport, either north, south or west as shown on Figures 3, 4, and 5, respectively, and are referenced in the following sections for each individual area.

AREA #1 – HANGER F FORMER UST – (NYSDEC SPILL #9811557)

BACKGROUND / PREVIOUS INVESTIGATIONS

Hangar F was reconstructed in 1982 to replace a former Hangar F, which burned down in approximately 1977 or 1978. A new 10,000-gallon #2 fuel oil underground storage tank (UST) was installed during the reconstruction. In November 1998 as part of the Airport UST program, this tank was removed and replaced with a steel 10,000 gallon UST. The approximate location of Area #1 is presented on Figure 2.

On November 16, 1998, while performing the tank removal activities, Ira Conkin reported a spill to the NYSDEC. Although no holes were identified in the tank, the soil surrounding the tank was contaminated. The impacted soil may have resulted from poor handling practices and/or prior activities at the Hangar F facility. The impacted soil was subsequently removed and disposed. Post excavation soil sampling revealed elevated concentrations in the soil. No VOCs or SVOCs were detected in groundwater. In August 1999, Ira Conklin conducted a Geoprobe investigation to determine if soil was impacted down gradient of the former UST installation. According to the results of these investigations, there was no impact. According to Airport Personnel, the NYSDEC has closed this spill #9811557.

CONCLUSIONS / RECOMMENDATIONS

No groundwater contamination was identified in this area and the NYSDEC closed this case. No additional investigation was warranted or conducted at this location.

AREA #2: HANGER C-1 – (NYSDEC SPILL #9104044)

BACKGROUND / PREVIOUS INVESTIGATIONS

In July 1991, during the fueling of corporate jet aircraft on the hangar apron, an estimated 6 gallons of Jet A fuel spilled from the aircraft fuel tank vent. The approximate location of Area #2 is presented on Figure 2. The fuel spill (NYSDEC Spill #9104044) was immediately cleaned up and no fuel entered the airport stormwater system. No further action was required and the spill case was closed by the NYSDEC.

CONCLUSIONS / RECOMMENDATIONS

Because the spill was immediately cleaned up, no fuel entered the stormwater system, and the case was closed by the NYSDEC, no additional investigation was warranted at this location. No additional investigation of this area was conducted.

AREA #3 – TERMINAL AIRCRAFT APRON (NYSDEC SPILL #97602235)

BACKGROUND / PREVIOUS INVESTIGATIONS

According to Airport personnel, during excavation for the installation of deicing trench drains on May 18, 1997, a petroleum odor was detected in the sub-base of the asphalt apron. Soil samples were collected in this area to characterize excavated soil for disposal. The soil sample analytical results identified elevated concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), ethylene glycol and propylene glycol. Groundwater samples were not collected from this area and it could not be determined whether post excavation soil samples were ever collected and analyzed from this area. The approximate location of Area #3 is presented on Figure 2.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

To confirm that all contaminated soil has been removed from the area, and to determine if groundwater has been adversely impacted, First Environment installed three (3) soil borings, GB-6, GB-7, and GB-8, to the water table on June 2, 2000 using a truck-mounted hollow-stem auger drill rig. All soil samples were examined for staining and odors and screened for organic vapors with a photoionization detector (PID) field screening instrument. No staining, odors or PID readings above zero parts per million (ppm) were observed.

Although there were no indications of contamination in the field, one soil and one groundwater sample were collected and analyzed to further verify site conditions. One soil sample (GB-6) was collected from directly above the water table and submitted to a New York State-certified laboratory for analysis. The sample was analyzed for Target Compound List (TCL) VOCs and TCL SVOCs by United States Environmental Protection Agency (EPA) methods 8260 and 8270, respectively. A temporary monitoring well was installed at GB-6 to collect a groundwater sample for analysis for TCL VOCs and TCL SVOCs. The boring and temporary well locations are presented on Figure 2.

Analytical Results

The groundwater samples submitted for laboratory analysis did not contain levels of any analyte above the Technical and Operational Guidance Series (TOGS) guidance value. The soil sample submitted for laboratory analysis did not contain any analyte concentrations above the Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives. The concentration of bis (2-Ethylhexyl) phthalate in soil sample GB-6 was 608 parts per billion (ppb), well below the recommended cleanup objective of 50,000 ppb. The concentration of acetone, a common laboratory contaminant, in groundwater sample GB-6W was 3.95 ppb, also well below the guidance value of 50 ppb. No other analytes were detected in either the soil or groundwater samples. Analytical results for soil and groundwater samples are presented in Tables 3A and 3B, respectively. Since no exceedances of regulatory criteria were detected in the groundwater sample, and the only detection in the groundwater sample was a trace concentration of acetone, a common laboratory contaminant not believed to be representative of site conditions, no permanent monitoring wells were installed in this area.

CONCLUSIONS/RECOMMENDATIONS

The concentrations of analytes detected in the soil and groundwater samples analyzed were well below the regulatory cleanup objectives and guidance values, and there were no indication of contaminants remaining in this area based on field observations. Based on these results, no further investigation is warranted in this area.

AREA #4 - FORMER CAR RENTAL FACILITY (NYSDEC SPILL #9310461)

BACKGROUND/PREVIOUS INVESTIGATIONS

In November 1993, during the removal of four USTs, contaminated soil was encountered (NYSDEC Spill #9310461). The approximate location of Area #4 is presented on Figure 2. The contaminated soil was removed from site and was treated on the Airport property utilizing a thermal burning process. The closure plan was submitted to the NYSDEC in 1999, and the case was subsequently closed.

CONCLUSIONS/RECOMMENDATIONS

The case was closed by the NYSDEC and no further investigation of this area is warranted. No further investigation of this area was conducted.

AREA #5 - Hangar D-3 (NYSDEC SPILL #9406172)

BACKGROUND/PREVIOUS INVESTIGATIONS

Hangar D-3 was constructed in 1956 at which time a 550-gallon waste oil UST was installed on the east side of the hangar (Area #5) and two 5,000-gallon #2 fuel oil USTs were installed on the southwest end of the hangar (Area #6). The 550-gallon waste oil tank was utilized by Green Aviation Services, a subtenant of United Skyport, for the storage of waste oil from aircraft maintenance. Green Aviation Services ceased operation at Hangar D-3 in the mid 1980's, and the waste oil tank was no longer needed. United Skyport contracted for the removal of the tank in August 1994. No leaks were identified in the tank however, impacted soil was identified (NYSDEC Spill #9406172) and the contaminated soil was determined to be the result of poor product handling practices. Supporting documentation indicates that contaminated soil identified in the vicinity of the fill port was excavated and properly disposed of off-site. No groundwater was discovered during the excavation. The spill case was subsequently closed by the NYSDEC. Figure 2 identifies the approximate location of Area #5.

CONCLUSIONS/RECOMMENDATIONS

The case was closed by the NYSDEC. No further investigation is warranted and no further investigation of this area was conducted.

AREA #6 - HANGAR D-3 (NYSDEC SPILL #9809248)

BACKGROUND/PREVIOUS INVESTIGATIONS

On October 23, 1998 pursuant to the Airport's UST removal and replacement program, the two 5,000-gallon #2 fuel oil USTs used to supply fuel to two hangar heater units in Hangar D-3 were removed and replaced with two 5,000-gallon USTs to meet current tank standards. During the removal, the tanks were inspected and no holes or apparent leaks were observed. Petroleum-impacted soil was identified adjacent to the fill port and was determined to be the result of poor product handling practices (NYSDEC Spill #9809248). The petroleum-impacted soil was excavated and properly disposed of off-site and the spill case was subsequently closed by the NYSDEC. Figure 2 identifies the approximate location of Area #6.

CONCLUSIONS/RECOMMENDATIONS

Since the case was closed by the NYSDEC, no further investigation is warranted and no further investigation of this area was conducted.

AREA #7 HANGAR D-2 (NYSDEC SPILL #9407976)

BACKGROUND/PREVIOUS INVESTIGATIONS

During September and October 1994, while removing three 5,000-gallon USTs, contaminated soil was discovered. According to Airport personnel, and based on a review of the closure report prepared by Technology Standard Associates, Inc., (TSA) the three former tanks and piping were inspected and no indications of leaks were detected. The soil contamination identified was reported to be the result of an aboveground fill port not attached to anything, rather than a UST failure, although a "very small hole" was reported on top of one of the USTs. Based on the closure report, no groundwater impacts were observed during UST removal. The release was reported to the NYSDEC and assigned spill #9407976. The approximate location of Area #7 is presented on Figure 2. The three tanks that were removed were replaced with one two-compartment tank, totaling 15,000 gallons, which is enclosed in a concrete containment vault.

The remediation contractor, Goldstar Environmental Services, Inc., removed and disposed of the tanks and the contaminated soil in September and October 1994. Approximately 88 cubic yards of soil was excavated and transported off-site for disposal. On January 11, 2000, a

closure report prepared by Technology Standards Associates Inc. (TSA) was submitted to the NYSDEC on behalf of Union Carbide. The NYSDEC subsequently indicated in a departmental memorandum dated March 16, 2000, that the spill case had been closed.

CONCLUSION/RECOMMENDATIONS

Based on a reviewed the TSA closure report, and the closure of the case by the NYSDEC, the area does not warrant additional investigation. No additional investigation of this area was conducted.

AREA #8 HANGAR D-1, BAY 2

BACKGROUND/PREVIOUS INVESTIGATIONS

In 1990, Mobil Oil Corporation transferred its long-term lease of Hangar D-1, Bay 2 at the Airport to a new party (the current tenant). As part of a standard environmental review, the current tenant hired a consultant who determined that a release of chlorinated solvents had impacted soils and groundwater located beneath the hangar floor. The suspected source of the contamination was an area where drummed chlorinated solvents were stored. On March 21, 1996, Mobil and the NYSDEC entered into an Administrative Consent Order (ACO) to investigate contamination at the hanger. The approximate location of Area #8 is presented on Figure 2.

On March 8, 2000, ExxonMobil issued a report prepared by its consultant, XDD, which reported the results associated with the most recent field efforts in the vicinity of Hangar D. According to the report, concentrations of chlorinated solvents, specifically 1,1-dichloroethane and 1,1,1-trichloroethane were detected at dissolved concentrations in the bedrock aquifer. Although the dissolved concentrations of 1,1-dichloroethane and 1,1,1 trichloroethane detected, 250-260 ppb and 57-58 ppb, respectively were not indicative of a source of chlorinated solvent within the bedrock, ExxonMobil submitted an additional work plan to the NYSDEC on March 21, 2000, which presented an aggressive scope of work to determine the extent of these constituents in the bedrock aquifer.

According to Airport personnel, ExxonMobil proposed to install additional shallow wells along with as many as nine bedrock monitoring wells. These wells were installed during the last week of May 2000, and were scheduled for sampling in June 2000.

CONCLUSION/RECOMMENDATIONS

The presence of chlorinated solvents in the groundwater in this area is being investigated by independent consultants working on behalf of ExxonMobil. The groundwater in this area flows to the southeast, away from Rye Lake. The results of the latest and each successive round of groundwater sampling should be reviewed as they become available to determine the need for additional investigation and/or remediation. Several monitoring wells in this area are included in the Groundwater Monitoring Program, discussed below.

AREA #9 HANGAR D-1, BAY 1 (NYSDEC SPILL #9813569)

BACKGROUND/PREVIOUS INVESTIGATIONS

In June 1991, one 5,000-gallon leaking UST was removed and replaced. In 1998, a review of the tank upgrade program revealed that the lines associated with the new UST did not meet the current standards and therefore had to be replaced. During the replacement of the lines, the contractor noticed that surrounding soil had been impacted by petroleum. The approximate location of Area #9 is presented on Figure 2.

A report by S&W Services, dated August 20, 1999, indicated that four soil borings were completed adjacent to the UST. Four soil samples were collected and the laboratory analyses identified that the soil was impacted by fuel oil beyond the applicable NYSDEC soil cleanup criteria. The highest VOC concentrations were identified at the boring location immediately adjacent to the UST. Because there are so many subsurface utilities in this area, excavation of the soil was determined not to be feasible at that time. The available documentation indicated that groundwater samples were not collected at that time and the spill case remained open.

The Work Plan addressing investigation activities at Hangar D-1, Bay 1 was prepared by Malcolm Pirnie in May 2000 and was submitted to and approved by the NYSDEC. Malcolm Pirnie presented the findings of the investigation in the Report of Findings of Investigative Work Plan Activities and Recommendations for Remedial Actions Hanger D, Bay 1 in July 2000. The July 2000 report identified total petroleum hydrocarbon concentrations in soil up to 3,400 ppm. One groundwater sample collected from a temporary direct push sample location identified exceedances of the TOGs guidance values for various VOCs and SVOCs. As part of the investigation, the area of the piping for the UST was excavated by hand and sampled identifying

petroleum hydrocarbon contamination, and the former piping, replaced in 1991, capped but still in the pipe trench adjacent to the new piping.

The report hypothesized that the source of the petroleum contamination was the piping and that the contamination spread from the UST piping to an area approximately 30 by 40 feet by three feet thick (3 to 6 feet deep) encompassing part of the area of the existing UST. In order to address the contaminated soil Malcolm Pirnie proposed conducting additional delineation soil sampling, excavating the contaminated soil, conducting post excavation soil sampling, additional excavation as necessary and then restoring of the area. The remedial action has been completed under the supervision of Malcolm Pirnie and preparation of the closure report is ongoing.

CONCLUSIONS/RECOMMENDATIONS

This area of petroleum-contaminated soil was recently remediated under the supervision of Malcolm Pirnie. They are currently preparing the closure report. Groundwater flow in this area flows to the east, away from Rye Lake. The closure report for this remedial action should be reviewed to evaluate if any further action is warranted.

AREA #10: HANGAR D PUMP HOUSE (NYSDEC SPILL #9805002)

BACKGROUND/PREVIOUS INVESTIGATIONS

On July 21, 1998, a cistern fill gauge cracked and spilled less than 1 lb. of mercury on the concrete floor of the pump house. (NYSDEC Spill #9805002) Tri-State Environmental was contracted to clean up the mercury spill and remove the site gauge, which contained additional mercury. According to the waste manifest, the contractor properly disposed of the material, and the spill case was subsequently closed by the NYSDEC. The approximate location of Area #10 is presented on Figure 2.

CONCLUSIONS/RECOMMENDATIONS

The extent of the spill was limited and the case has been closed by the NYSDEC. No additional investigation of this area was warranted, and no additional investigation of this area was conducted.

AREA #11 FUEL TANK FARM (NYSDEC SPILL #9006411)

BACKGROUND/PREVIOUS INVESTIGATIONS

The Fuel Tank Farm is located along the eastern portion of the Airport. It should be noted that this area is at the east end of the site, east of the groundwater divide, and therefore does not have the potential to impact Rye Lake. According to documentation provided to First Environment, historically, a number of petroleum storage tanks (formerly USTs and currently ASTs) have occupied this portion of the Airport. Many of these tanks were reportedly the source(s) of subsurface releases to the environment. The approximate location of the Fuel Tank Farm, and specifically Area #11, is presented on Figure 2.

On September 10, 1990, a 20,000-gallon UST was discovered to be leaking based on an on-site product inventory (NYSDEC Spill #9006411). The tank was taken out of service and four (4) monitoring wells were installed to further investigate any fuel contamination. This same tank was later removed as part of the Fuel Farm Rehabilitation Project, which included the removal of three 3,000-gallon and six 20,000-gallon USTs. Inspection of this 20,000-gallon UST after removal identified a broken weld that was determined to be the source of the leak. The USTs were replaced with five 20,000-gallon horizontal aboveground storage tanks (ASTs) and one 25,000-gallon vertical AST. Site documentation has indicated that the soil and groundwater, which were impacted as a result of the leaking tank, were satisfactorily remediated, and the case was subsequently closed by the NYSDEC.

CONCLUSIONS/RECOMMENDATIONS

Since the soil and groundwater impacts identified have been addressed and the case has been closed by the NYSDEC, no further investigation is warranted.

AREAS #12 (NYSDEC SPILL #9309928) AND AREA #16 (NYSDEC SPILL #9811676)

BACKGROUND/PREVIOUS INVESTIGATIONS

The Fuel Tank Farm is located along the eastern portion of the Airport. It should be noted that this area is at the east end of the site, east of the groundwater divide, and therefore does not have the potential to impact Rye Lake. According to documentation provided to First Environment, historically, dozens of petroleum storage tanks (formerly USTs and currently

ASTs) have occupied this portion of the Airport. A number of these tanks were reportedly the source(s) of past subsurface releases to the environment.

During the November 1993 Fuel Farm Rehabilitation Project in which several aging USTs were removed, a large amount of contaminated soil was discovered and reported to the NYSDEC (Spill #9309928). As part of the remediation of the area, 4,500 tons of contaminated soil was excavated and remediated through thermal treatment. In addition, monitoring wells were installed to evaluate potential impacts to groundwater quality in the area of the contaminated soil.

A portion of the Airport along its eastern border was formerly utilized as an automobile service station. This site, formerly used for fueling and mechanical repair, is the location of another open spill case (NYSDEC Spill #9811676 – Area #16). The approximate locations of the Fuel Tank Farm and former service station, and specifically Areas #12 and #16, are presented on Figure 2. Although the conditions at the Areas vary, the two areas are being investigated collectively as one. A discussion of this investigation follows.

In order to address these areas, the Airport retained Henningson, Durham & Richardson Architecture & Engineering P.C. (HDR) to conduct independent field sampling activities in accordance with the Westchester County Airport Groundwater Sampling Work Plan dated April 2000. The sampling activities at the Areas involved the sampling of eight of the nine monitoring wells presently located on-site. According to their "Final Post-Remediation Baseline Monitoring Well Sampling and Analysis Report" dated September 2000, HDR reported that free product was discovered in two of the six wells tested. No SVOCs or TPH were found at levels in excess of the NYSDEC criteria in the other six wells tested. However, benzene was detected above the TOGs guidance value of 1 ppb at MW-3 (3.5 ppb). The free product in one of the wells was identified as gasoline, while the product in the other well could not be identified. The first quarterly groundwater monitoring report for this area again identified free-phase floating gasoline in monitoring well MW-G, but no free-phase gasoline in any other wells.

CONCLUSIONS/RECOMMENDATIONS

Note that the area of the Fuel Tank Farm, discussed herein as Areas 12 through 16 inclusive, is being monitored by HDR through a quarterly groundwater monitoring program. The Areas 12

through 16 are closely clustered as shown on Figure 2 therefore it is appropriate to include all five areas in the monitoring program.

Based on these initial results, additional investigation is warranted to address the areas in which the free product was discovered. This area is at the east end of the site, east of the groundwater divide, and therefore does not have the potential to impact Rye Lake. The unknown free product contained in MW-2 (F) should be further analyzed to determine its identity and local groundwater flow direction in this area should be verified. Based on this information, Westchester County Airport's consultant, HDR, should evaluate remedial alternatives relating to the wells that contain free product. Once these additional tasks have been completed, the conditions in the Area should be reevaluated and a determination made as to the need for further investigation, if any.

A groundwater flow map was not included in the Post Remediation Baseline Report, but should be provided in future quarterly reports. Based on the review of the additional investigation by HDR, recommendations for additional monitoring and remediation may be warranted. HDR has conducted a second round of groundwater monitoring at this site, but had not issued the monitoring report as of the issuance of this report. Future quarterly monitoring reports should be reviewed as they are completed to evaluate the need for additional investigation and or remediation. Monitoring well FMW-38, located in general proximity to this area is included in the overall Groundwater Monitoring Program to continue to evaluate impacts to groundwater in the Fuel Tank Farm Area.

AREAS #13, #14, & #15: FORMER SERVICE STATION

A portion of the Airport along its eastern border was formerly utilized as an automobile service station. This site, formerly used for fueling and mechanical repair, is the location of three open spill cases. The approximate location of the former service station and specifically Areas # 13, #14, and #15 are presented on Figure 2.

AREA # 13: FORMER SERVICE STATION OIL/WATER SEPARATOR REPLACEMENT
(NYSDEC SPILL #9811558)

BACKGROUND/PREVIOUS INVESTIGATIONS

On November 5, 1998, a project was initiated to remove the 1,500-gallon oil/water separator and 6,000-gallon recovery tank from the former service station leasehold, and replace them with an 8,000-gallon tank that combines the oil/water separator and product recovery in one single underground vessel. This project was conducted as part of the overall Airport facility underground fuel tank removal/replacement effort. The approximate location of Area #13 is presented on Figure 2. During the removal of the tanks, the contractor discovered contaminated soil in the immediate area. (NYSDEC Spill #9811558) According to site documentation, 510 tons of contaminated soil was removed and disposed of by the contractor, Ira Conklin & Sons. In addition, as part of the former service station remediation project, all contaminated soil identified in the area of the oil/water separator replacement project was excavated and removed. Additional memoranda have indicated that the spill case will be closed by the NYSDEC upon completion of the investigations occurring within the former service station/Fuel Tank Farm Area.

CONCLUSIONS/RECOMMENDATIONS

Area #13 was investigated by HDR as part of the Fuel Tank Farm Area and is discussed above under the Conclusions/Recommendations for Areas #12 and #16.

AREA #14: FORMER SERVICE STATION UST REMOVAL/REPLACEMENT PROJECT
(NYSDEC SPILL #98006992)

BACKGROUND/PREVIOUS INVESTIGATIONS

On September 2, 1998, Westchester County initiated tank closure activities at the location of the former service station, which included the removal and disposal of eight USTs. During the removal activities, soil data from the tank excavation revealed soil contamination that exceeded NYSDEC criteria. In addition, a small volume of separate-phase petroleum product was observed in one area of the gasoline UST excavation. This product was characterized as jet fuel. These spills were reported to the NYSDEC and were assigned Case # 98006992. The approximate location of Area #14 is presented on Figure 2.

Additional investigation of site conditions and remediation/removal of the contaminated soil proceeded during the summer of 1999. Approximately 5,450 tons of contaminated soil was removed. S.I.T.E.S. Inc. performed the additional work and issued the following findings in its Site Closure Plan dated September 30, 1999. The Closure Plan concluded that impacted soils have been sufficiently removed to the extent possible without major reconstruction. Also, groundwater samples collected from the bottom of the excavation revealed analyte concentrations in excess of applicable groundwater guidelines. However, because the pit bottom samples were taken in a disturbed soil matrix, the County is proceeding with groundwater testing at recently installed monitoring wells. According to the report, the County is in the process of evaluating feasible alternatives with regard to the soil contamination.

According to an NYSDEC memorandum dated October 25, 1999, the NYSDEC has indicated that the spill case described above cannot be closed while the need for additional investigation exists. The NYSDEC has recently approved Westchester County's proposal for additional work in the area.

CONCLUSIONS/RECOMMENDATIONS

Area #14 was investigated by HDR as part of the Fuel Tank Farm Area and is discussed above under the Conclusions/Recommendations for Areas #12 and #16.

AREA #15: FORMER GAS STATION VAPOR RECOVERY SYSTEM INSTALLATION (NYSDEC SPILL 9108093)

BACKGROUND/PREVIOUS INVESTIGATIONS

On October 29, 1991, during the installation of a vapor recovery system for the gas station service pumps, soil contaminated with jet fuel was discovered. (NYSDEC Spill # 9108093) The approximate location of Area #15 is presented on Figure 2. The contaminated soil was excavated, stockpiled and covered with plastic sheeting. The soil was then disposed of off site. Although the remedial work in this area has been completed, a NYSDEC memo dated 10/25/99 states a closure report and supporting data were never submitted.

CONCLUSIONS/RECOMMENDATIONS

Area #15 was investigated by HDR as part of the Fuel Tank Farm Area and is discussed above under the Conclusions/Recommendations for Areas #12 and #16.

AREA #17 - BUILDING 5 (NYSDEC SPILL #9912674)

BACKGROUND/PREVIOUS INVESTIGATIONS

In June 1999, S&W Services, Inc. completed 4 soil borings (SB-1 to SB-4) adjacent to the UST on the east side of Building 5 to assess any environmental impacts to soil adjacent to the UST. The approximate location of Area #17 is presented on Figure 2. Soil samples collected from the four borings were analyzed for VOCs and SVOCs by EPA methods 8021 and 8270 respectively. SB-1 had concentrations of benzo (a) anthracene (11 ppb), chrysene (13 ppb), benzo (b) fluoranthene (6 ppb), benzo (k) fluoranthene (8 ppb), and benzo (a) pyrene (7 ppb) that were above STARS soil guidance values in effect at the time. These concentrations are below TAGM recommended cleanup objectives. No other samples had exceedances of either STARS soil guidance values or TAGM objectives.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

To further evaluate Area #17 and specifically to determine whether the soil contamination previously identified at SB-1 had adversely impacted the groundwater in this area, a temporary monitoring well was installed and sampled on June 2, 2000. The location of the temporary monitoring well (GB-5W) is presented on Figure 2. One groundwater sample (GW-5W) was collected and submitted to a certified laboratory for analysis for VOCs and SVOCs by EPA Methods 8021 and 8270 respectively.

Analytical Results

No VOCs or SVOCs were detected in the groundwater sample from GB-5W. The analytical results for GB-5W are presented on Table 4.

CONCLUSIONS AND RECOMMENDATIONS

The groundwater sample collected from Area #17 identified no exceedances of regulatory guidelines, therefore it appears that there has not been an impact to groundwater quality. No further investigation is warranted for Area #17.

AREA #18: OLD AIR NATIONAL GUARD FUEL FARM (NYSDEC SPILL #9011175)

BACKGROUND/PREVIOUS INVESTIGATIONS

On January 22, 1991, contaminated soil was encountered during the removal of four (4) 25,000-gallon Jet A fuel USTs. The spill was reported to the NYSDEC and assigned spill case #9011175. The approximate location of Area #18 is presented on Figure 2. As a result of the discovery of the spill, all contaminated soil was excavated and treated on the Airport Property utilizing a thermal burning process. No groundwater was encountered during the removal of the tanks or during the excavation of the soil. The case was subsequently closed by the NYSDEC.

CONCLUSIONS/RECOMMENDATIONS

The NYSDEC has approved the closure of this case. No further investigation of this area is warranted. No additional investigation of this area was conducted.

AREA #19 FORMER AIR NATIONAL GUARD UST

BACKGROUND/PREVIOUS INVESTIGATIONS

A 2,500-gallon, leaking gasoline UST was excavated and removed from the former Air National Guard Building #4 in April 1993. Following the removal of the UST and excavation of impacted soil, three monitoring wells were installed to evaluate potential impacts to groundwater in the area. Based on the analysis of soil samples, residual SVOCs, above the NYSDEC Guidance Values, were detected in the vicinity of the former UST at DPWMW-1. At monitoring well DPWMW-2, 1,2,4-Trimethylbenzene was detected at concentrations that slightly exceed the NYSDEC guidance value of 5.0 ppb. Past laboratory analysis of the groundwater at DPWMW-3 detected no VOCs or SVOCs. The approximate location of Area #19 is presented on Figure 2.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

Three existing monitoring wells DPWMW-1, DPWMW-2 and DPWMW-3 were sampled on June 16, 2000 for VOCs and SVOCs by EPA methods 8021 and 8270 respectively.

Analytical Results

The analytical results for the groundwater sample from DPWMW-2 detected the VOCs toluene, 1,2,4-trimethylbenzene and xylenes each at concentrations slightly above the NYSDEC guidance value of 5 ppb with concentrations of 5.86, 6 and 5.83 ppb respectively. The SVOCs chrysene and benzo (b) fluoranthene each exceeded the NYSDEC guidance value of 0.002 ppb with concentrations of 0.753 and 0.93 ppb at DPWMW-2. The other VOCs and SVOCs detected at DPWMW-2: sec-butylbenzene, ethylbenzene, n-propylbenzene, 4-isopropyltoluene, n-butylbenzene, naphthalene, fluoranthene and pyrene were all below regulatory guidelines. The only analyte detected at in the groundwater sample from DPWMW-1 was the VOC sec-butylbenzene, below NYSDEC guidelines. No VOCs or SVOCs were detected in the groundwater sample from DPWMW-3. The analytical results are presented in Table 5.

CONCLUSIONS/RECOMMENDATIONS

Based on the location of the groundwater divide, Area #19 is located primarily in the Blind Brook watershed, however, due to possible seasonal variations in groundwater elevations, groundwater in this area may flow into either the Blind Brook or Rye Lake watersheds. Monitoring wells are present in nearby areas downgradient of Area #19 in both watersheds to monitor groundwater quality as part of the Groundwater Monitoring Program.

The concentrations of the VOCs toluene, 1,2,4-trimethylbenzene, and xylenes and the SVOCs detected in the groundwater at DPWMW-2 exceed the TOGs guidance values. Groundwater concentrations at DPWMW-1 and DPWMW-3, on either side of DPWMW-2 are below regulatory guidance values, demonstrating the concentrations identified at DPWMW-2 are localized. Although this spill case has been closed by the NYSDEC, continued groundwater monitoring is recommended to verify that natural attenuation is continuing to effectively reduce VOC and SVOC concentrations to levels below regulatory guidelines. Monitoring well DPWMW-2 is included in the Groundwater Monitoring Program.

AREA #20 BUILDING 3 (NYSDEC SPILL #91-00237)

BACKGROUND/PREVIOUS INVESTIGATIONS

On April 4, 1991, during tightness testing of a 3,000-gallon #2 fuel oil UST, water was discovered inside the tank (NYSDEC Spill #91-00237). The tank was placed out of service, and the tenant arranged for the removal and replacement of the UST. The contaminated soil encountered in the UST excavation was removed and disposed of by the contractor. The approximate location of Area #20 is presented on Figure 2.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

In order to evaluate the effectiveness of the soil remediation at Building 3, three soil borings (GB-9, GB-10 and FMW-9) were installed around the former UST, to the water table. The locations of the soil borings are presented on Figure 2. The soil samples were screened with a PID field instrument. One soil sample from each of the three borings, that exhibited the highest PID reading, was submitted to a New York State-certified laboratory for analysis for VOCs and SVOCs by USEPA SW-846 methods 8021 and 8270, respectively.

At the time of soil boring installation, permanent monitoring well (FMW-9) was installed, across the water table to a depth of 13.5 feet below grade. The monitoring well was located down gradient from the former UST, consistent with the northwesterly direction of groundwater flow. Monitoring well FMW-9 was initially sampled for VOCs and SVOCs by USEPA methods 8021 and 8270 respectively on June 16, 2000, the same day the monitoring well was initially developed. Monitoring well FMW-9 was resampled on October 25, 2000, for TCL VOCs, TCL SVOCs, TCL PCBs, TCL pesticides, TAL metals and cyanide by USEPA methods 624, 625, 8082, 8081A, 200.8 and 335.2 respectively. The monitoring well was resampled for a more complete suite of analytes in order to evaluate overall groundwater quality in this area of the site, and to verify the earlier groundwater analytical results.

Analytical Results

The soil samples from GB-9 and FMW-9 identified several SVOCs and VOCs all below the applicable TAGM recommended soil cleanup objectives. No VOCs or SVOCs were detected in the soil sample from GB-10. The analytical results for the sampling of Area #20 are presented in Table 6A.

The initial, June 16, 2000, groundwater sampling of FMW-9 identified the VOC benzene at 1.19 ppb, exceeding the regulatory guideline of 1 ppb. In addition, the VOCs ethylbenzene (34 ppb), total xylenes (124 ppb), isopropylbenzene (10.4 ppb), n-propylbenzene (16 ppb), 1,3,5-trimethylbenzene (26.3 ppb), 1,2,4-trimethylbenzene (108 ppb), sec-butylbenzene (6.44 ppb), and n-butyl benzene (11.6 ppb), all above the regulatory guideline of 5 ppb. Naphthalene was detected at 116 ppb, above the regulatory guideline of 10 ppb. The groundwater sample results for Area #20 are presented on Table 6B.

The second round of groundwater sampling, October 25, 2000, detected no SVOCs and the VOCs isopropylbenzene (0.679ppb), ethylbenzene (0.992 ppb), chloroform (0.457 ppb), and 2-butanone (0.778 ppb), all below regulatory guidance values.

The groundwater analytical results from the first round of groundwater sampling are not believed to be representative of actual groundwater conditions. The fact that the monitoring well was developed and sampled on the same day is suspected to have caused the sample to be turbid with suspended sediment. This theory is supported by the presence of most of the same analytes, in similar concentrations, in the soil and groundwater samples collected from FMW-9. This theory is further supported by the second round of groundwater samples, collected on October 25, 2000, that are significantly lower than the first round.

CONCLUSIONS/RECOMMENDATIONS

The NYSDEC has approved the closure of this spill case. No further investigation is warranted.

AREA # 21 - BUILDING 1 (NYSDEC SPILL #9300724)

BACKGROUND/PREVIOUS INVESTIGATIONS

As part of an overall Airport fuel tank replacement program, on April 15, 1993 contaminated soil was encountered during the removal and replacement of a 1,000-gallon underground diesel fuel storage tank with a 1,500-gallon UST, which meets the current standards (NYSDEC Spill #9300724). The approximate location of Area #21 is presented on Figure 2. The contractor excavated and properly disposed of the contaminated soil.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

On June 1, 2000, three borings, GB-1, GB-2, and GB-3 were installed to the water table in the area of the former diesel tank (Area #21) to confirm that contaminated soil had been removed and groundwater had not been impacted. The locations of the borings and the temporary monitoring well are presented on Figure 2. Soil samples were screened with a PID field instrument, and because elevated PID levels were observed in the soil from GB-1, one sample from that boring was submitted to a New York State-certified laboratory for analysis. The soil sample from GB-1 was analyzed for VOCs and SVOCs by USEPA SW-846 methods 8021 and 8270, respectively. Elevated PID readings were also observed in GB-2, although lower than in GB-1, but there was no visual evidence of contamination such as staining. Initially a soil sample from GB-2 was sent to the laboratory and held pending authorization. It was not analyzed because it was replaced by a groundwater sample from GB-2, discussed below, to evaluate the potential impact to groundwater.

A groundwater sample was collected from the temporary monitoring well installed at GB-2 (GB-2W) and was analyzed for VOCs and SVOCs by USEPA SW-846 methods 8021 and 8270, respectively. During the field investigation, an additional 15-foot deep, flush-mounted permanent monitoring well (MW-1) was discovered. A groundwater sample was collected from this existing monitoring well adjacent to area 21 (MW-1) and analyzed for VOCs by USEPA SW-846 method 8021.

Analytical Results

No analytes (VOCs or SVOCs) were detected by the laboratory in soil sample GB-1 or groundwater sample GB-2W. No analytes (VOCs) were detected in the groundwater sample MW-1. The analytical results for the sampling of Area #21 are presented in Tables 7A and 7B for soil and groundwater, respectively.

CONCLUSIONS/RECOMMENDATIONS

Since no analytes were detected in the soil or groundwater samples collected from this area, no permanent monitoring wells were installed. The NYSDEC closed this spill case on March 16, 2000 and as such no further investigation of Area #21 is warranted.

AREA #22-BUILDING 1 (NYSDEC SPILL#9713222)

BACKGROUND/PREVIOUS INVESTIGATIONS

Under the ongoing Airport Tank Removal/Replacement Project, a 3,000-gallon underground storage tank was removed on February 26, 1998 and replaced with a 3,000-gallon UST, to meet the current standards. Groundwater in this area flows away from Rye Lake. The approximate location of Area #22 is presented on Figure 2. According to a report prepared by ERD Environmental, visual inspection indicated a fuel oil release had occurred and samples were taken for analysis. The sample results indicated the presence of petroleum-contaminated soil. The release was reported to the NYSDEC and assigned spill # 9713222. The contaminated soil was excavated and disposed of and upon completion of the soil removal, four additional post excavation soil samples were collected to determine whether any contamination remained. No groundwater samples were collected and the NYSDEC spill case remains open.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

One geoprobe boring (GB-4) was advanced at the location of the former UST to a depth of 12.5 feet. Petroleum product and elevated PID readings were observed in the weathered bedrock from a depth of seven to eleven feet at GB-4. One temporary monitoring well was installed at GB-4 and sampled (GB-4W) to evaluate groundwater quality. The sample was sent to a NYS Certified Laboratory and analyzed for VOC and SVOC constituents by USEPA SW-846 methods 8021 and 8270, respectively.

Analytical Results

The groundwater sample from GB-4 (GB-4W) had detections for the VOCs xylenes (5.46 ppb), n-propylbenzene (7.05 ppb), 1,3,5-trimethylbenzene (14.6 ppb), 1,2,4-trimethylbenzene (51.8 ppb) and n-butylbenzene (7.57 ppb) above the regulatory guideline of 5 ppb. The SVOC naphthalene was detected at a concentration 25.8 ppb, above the regulatory guideline of 10 ppb. The SVOC acenaphthene was detected in GB-4W at 100 ppb, above the regulatory guideline of 20 ppb. The groundwater sample GB-4W also had the SVOCs fluorine (115 ppb), phenanthrene (204 ppb), and anthracene (55 ppb) above the regulatory guideline of 50 ppb. The analytical results for the groundwater sampling of Area #22 are presented on Table 7B.

CONCLUSIONS/RECOMMENDATIONS

Petroleum product was visible in the weathered bedrock, and exceedances of the regulatory guidelines for VOCs and SVOCs were detected in the groundwater in this area. Groundwater in this area flows away from Rye Lake. Based on the analytical results from groundwater samples collected from the adjacent Area #21, the impact to groundwater to the south is limited, however, the impact to groundwater to the north, (downgradient), has not been defined.

Although this spill case has been closed, additional investigation of Area #22 is warranted to evaluate the extent of petroleum product in the weathered bedrock, and the impact to groundwater north (downgradient) of Area #22. Three additional borings should be installed in the area of the former UST, with one completed as a permanent monitoring well. Two additional permanent monitoring wells should be installed hydraulically down gradient of the former UST in order to evaluate the extent of groundwater contamination. The results of this additional investigation would be used to determine the need for additional action, including monitoring and/or possible remediation.

AREA #23: MAINTENANCE BUILDING PETROLEUM SPILL AREA

BACKGROUND/PREVIOUS INVESTIGATION

On July 8, 1996, 300-400 gallons of diesel fuel were released from a temporary aboveground storage tank located behind the maintenance building at the Airport. The approximate location of Area #23 is presented on Figure 2. According to the spill report, product flowed over asphalt, across a soil staging area, and into wetlands. The product ultimately reached a stream which discharges into the Kensico Reservoir. Subsequently, a sheen was observed in the Loudon Cove section of the Kensico Reservoir. The New York City Department of Environmental Protection (NYCDEP) investigated the incident and no identifiable influent source was found. Remedial measures were undertaken and the spill case was closed by the NYSDEC.

CONCLUSIONS/RECOMMENDATIONS

The spill case has been closed by the NYSDEC. No further investigation of this area is warranted and no additional investigation of this area was conducted.

AREA #24 FORMER AIR NATIONAL GUARD (ANG) DUMP

BACKGROUND/PREVIOUS INVESTIGATIONS

Over the past 30 years, the ANG disposed of waste in a dump site created on the northwest end of their facility. Aircraft parts, construction debris and 55-gallon drums had been deposited at this dumpsite. The approximate location of Area #24 is presented on Figure 2.

In 1992, the Westchester County Department of Health (WCDOH) collected soil and groundwater samples from the area. The sampling consisted of the collection of one sample of "ponded water north of the runway", and six soil samples from "areas of questionable concern" as identified by the WCDOH. A review of the 1992 analytical results identified trace concentrations of VOCs, SVOCs, PCBs, pesticides and metals in the soil samples. The water sample had a single detection, for a trace of bis-(2-ethylhexyl)phthalate, a common laboratory contaminant that may not be representative of actual site conditions.

According to Airport Personnel and invoices supplied by the commercial trash hauler, one hundred and eleven (111) 30-yard containers containing trash and three (3) 30-yard containers containing rubber tires were removed from the Former ANG Dump Area.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

In order to investigate site conditions at the Former ANG Dump, Area #24, five (5) soil borings (GB-20, GB-21, GB-22, GB-23, and GB-24) and temporary monitoring wells were installed on June 21, 2000, to a depth of approximately 8 to 15 feet below grade to evaluate the soil and groundwater quality in the area. The five boring locations were evenly distributed over the dump area as no areas of surface soil staining were observed. All soil samples were screened with a PID field instrument. One soil sample from each of the five borings was submitted to a certified laboratory for analysis. The samples selected were either from the interval with the highest PID reading, or from the interval immediately above the water table. The samples were analyzed for TCL VOCs and TCL SVOCs by USEPA SW-846 methods 8260 and 8270, respectively. Soil samples were also analyzed for TAL inorganic constituents by USEPA method 6010/7000/9010 series and PCBs by method 8080.

Temporary monitoring wells were installed in all five borings. Groundwater samples were collected from three of the temporary monitoring wells (GB-20W, GB-21W and GB-24W) and submitted to the certified laboratory for analysis for the TCL VOCs, and TAL metals and cyanide. Because the volume of groundwater available was limited, only the sample from GB-24W was also analyzed for SVOCs, TCL PCBs, and TCL pesticides, and only the sample from GB-21W was analyzed for ethylene and propylene glycol. Groundwater samples could not be collected from boring locations GB-22 and GB-23, as these locations did not produce any groundwater.

In order to evaluate the potential impact to groundwater downgradient of the Former ANG Dump Area, and consistent with comments from the NYSDEC, the NYCDEP and representatives at the NYS Attorney General's office, 15 additional geoprobes (GB-25W to GB-39W) were installed in the area downgradient of the former ANG Dump Area (Area #24). The installation and groundwater sampling of the 15 temporary wells was determined to be the most appropriate means for promptly assessing possible groundwater contamination in this area. The fifteen Geoprobes were installed along the northern and western boundary of the Airport property between the Airport and Rye Lake. The 15 geoprobe locations (GB-25W through GB-39W) had previously been determined by a representative from the Attorney General's office and are presented on Figure 2.

At each of the 15 downgradient locations, one groundwater sample was collected and analyzed for TCL VOCs and TCL SVOCs by USEPA SW-846 methods 8260 and 8270, respectively. In addition, each of the 15 groundwater samples was analyzed for TAL metals and cyanide by USEPA method 6010/7000/9010 series as well as PCBs by method 8080.

In order to verify groundwater flow direction and groundwater quality at the perimeter of the site, four permanent monitoring wells (FMW-13 through FMW-16) were installed and sampled. The four permanent monitoring wells were sampled for TCL VOCs, TCL SVOCs, TAL metals, cyanide, TCL PCBs and pesticides.

Analytical Results

The analytical results for soil and groundwater samples from borings GB-20 through GB-24 are presented in Tables 8A and 8B, respectively. The analytical results for groundwater samples from borings GB-25 through GB-39 are presented in Table 9. The analytical results for

groundwater samples from monitoring wells FMW-13 through FMW-16 are presented in Table 10. All analytical results associated with the investigation of Area #24 are discussed below.

GB-20 through GB-24 Soil Samples

The results of the soil sampling from the Former ANG Dump Area (GB-20 through GB-24) identified no PCBs, pesticides or cyanide. There were no concentrations of VOCs or SVOCs above regulatory guidelines. The only VOCs detected in any of the soil samples were toluene detected at GB-20 at 1.44 ppb, well below the recommended soil cleanup objective of 1500 ppb, and acetone detected at GB-24 at 106 ppb, below the recommended soil cleanup objective of 200 ppb. Acetone was also detected in the field blank, indicating possible laboratory contamination and as such is not believed to be representative of actual site conditions. The only SVOC detected in the soil samples was di-n-butylphthalate detected in all five samples at concentrations ranging from 91.3 to 253 ppb, all well below the recommended soil cleanup objective of 8100 ppb. Metals concentrations for all five soil samples exceed the recommended soil cleanup objective for chromium, iron and zinc, and at one or more locations for copper and nickel, however these concentrations are believed to be indicative of naturally occurring background conditions. At GB-23 mercury was detected at 0.211 ppm, slightly exceeding the recommended soil cleanup objective of 0.1 ppm.

GB-20 through GB-24 Groundwater Samples

The three groundwater samples from the Former ANG Dump Area (GB-20W, GB-21W and GB-24W) detected no VOCs, SVOCs, PCBs, pesticides, ethylene glycol or propylene glycol above regulatory guidelines. Metals were detected in all three groundwater samples in excess of regulatory guidelines, however the samples were collected from temporary wells, not permanent wells, and the detections are believed to be due to turbid groundwater in the temporary monitoring wells, and not representative of actual site conditions.

GB-25 through GB-39 Groundwater Samples

The 15 groundwater samples collected from the northern and western perimeter of the site, downgradient of Area #24 (GB-25 through GB-39) had no detections for pesticides, PCBs or cyanide. There were no concentrations of VOCs or SVOCs above regulatory guidelines. The only VOC detected in any of the 15 samples was trichloroethene, detected at GB-26 at 2.04 ppb, below the regulatory guideline of 5 ppb. The only SVOCs detected in the groundwater samples were di-n-butylphthalate and bis(2-ethylhexyl)phthalate. Di-n-butylphthalate was

detected in four samples at concentrations ranging from 1.21 to 3.8 ppb, all well below the regulatory guideline of 50 ppb. The five detections for bis(2-ethylhexyl)phthalate included only one exceedance of the regulatory guideline of 5 ppb with a detection of 8.56 ppb at GB-26W. The exceedance of the regulatory guideline for bis(2-ethylhexyl)phthalate is not believed to be representative of site conditions because bis(2-ethylhexyl)phthalate is a common laboratory contaminant and it was not detected in the groundwater sample from the adjacent permanent monitoring well FMW-16. Exceedances of the regulatory guidelines for metals were detected in 13 of the 15 groundwater samples and are believed to be attributable to sample turbidity and are thus not representative of site conditions.

FMW-13 through FMW-16 Groundwater Samples

No SVOCs, PCBs, pesticides or cyanide were detected in any of the groundwater samples from FMW-13 through FMW-16. There were no concentrations of VOCs above regulatory guidelines. The VOC acetone, a common laboratory contaminant, was detected in groundwater samples from FMW-14 (7.61 ppb) and FMW-15 (2.44 ppb), well below the regulatory guideline of 50 ppb. The VOC trichloroethene was detected at FMW-16 at 0.491 ppb, below the regulatory guideline of 5 ppb. The VOC chlorobenzene was detected at FMW-14 at 3.46 ppb, below the regulatory guideline of 5 ppb.

Metals detected in the groundwater samples from FMW-13 through FMW-16 are apparently the result of sample turbidity. Exceedances of the regulatory guidelines were identified in one or more groundwater sample for barium, beryllium, cadmium, chromium, iron, lead, manganese, nickel, selenium and sodium.

CONCLUSIONS/RECOMMENDATIONS

Based on the analytical results for the Former ANG Dump Area, past operations may have had a slight impact on soil and groundwater quality. With regard to soil, there were no exceedances of soil cleanup criteria, with the exception of several metals, which are expected to be naturally occurring.

The groundwater analytical results for the Former ANG Dump Area and the surrounding downgradient site perimeter indicate that there are no organic contaminants (VOCs, SVOCs, pesticides, PCBs) above regulatory guidelines and demonstrate that these low levels are not migrating off-site. Exceedances of regulatory guidelines for metals in groundwater samples are

believed to be attributable to groundwater sample turbidity and therefore not representative of actual site conditions. No further investigation is recommended in this area. Sentinel monitoring wells will be monitored as part of the Groundwater Monitoring Program, discussed below, to ensure that there is no impact to Rye Lake.

AREA # 25 AIRCRAFT RESCUE & FIREFIGHTING (ARFF) BURN PIT (NYSDEC SPILL
#9911702)

BACKGROUND/PREVIOUS INVESTIGATIONS

Based on information provided by Airport Personnel, an area southwest of Building 10, shown as Area #25 on Figure 2, was used for aircraft rescue and firefighting (ARFF) training. The ARFF training activities consisted of repeatedly burning and extinguishing aviation fuel. The training activities were initially conducted by the Air National Guard from approximately 1950 and were later conducted by Airport personnel. It was suspected that the training activities, which have reportedly been conducted in this area for the past 20 years by Airport personnel, potentially impacted soil and groundwater at this location. The shallow groundwater in this area generally flows to the north, but based on available information, this area is believed to be part of the Rye Lake Watershed. Groundwater in the deeper bedrock aquifer flows to the south, away from Rye Lake.

INVESTIGATION BY FIRST ENVIRONMENT

Sample collection

The investigation, and subsequent remediation conducted by First Environment was conducted in stages as further information on site conditions became evident based on analytical testing. The stages of the investigation and remediation of the ARFF Burn Pit Area (Area #25) are discussed below. A detailed description of all field activities, including soil disposal manifests, was provided in a separate closure report dated January 15, 2001, which was submitted to the NYSDEC. Sample locations are presented on Figure 6 Detail Area A.

Initial Sampling

The initial investigation of the ARFF Burn Pit Area (Area #25) was conducted on December 22, 1999, and consisted of the drilling of eight soil borings (B-1 through B-8) and installing two temporary wells (B-5W and B-7W) to assess the soil and groundwater conditions in the area. Based on field screening results, specifically elevated PID readings of 17 and 22 ppm at B-5

and B-7, respectively, soil and groundwater samples were collected from borings and temporary wells located at each of the two locations. The samples were submitted to a NYS-certified laboratory for VOC and SVOC analysis by USEPA methods 8260 and 8270, respectively.

There were no indications of environmental impacts such as staining, odors or elevated PID readings, at borings B-1, 2, 3, 4, 6 or 8, therefore no samples were collected from these locations for chemical analysis. The surface water in the area was observed to have a sheen when the sediment was disturbed, therefore a soil/sediment sample was also collected and submitted to a NYS-certified laboratory for VOC and SVOC analysis by methods 8260 and 8270, respectively.

The analytical results from the samples collected identified the presence of VOC and SVOCs in the soil and groundwater in excess of the NYSDEC standards. The exceedances identified in the soil and groundwater samples warranted additional investigation, as discussed below. Analytical results are discussed in detail in a subsequent section.

Monitoring Wells FMW-5, FMW-6, FMW-7, FMW-8, and FMW-23

Three permanent monitoring wells were installed and developed on January 28, 2000 to assess groundwater quality in the area of ARFF Burn Pit. One monitoring well (FMW-5) was installed at the suspected source area identified at B-5 and two monitoring wells (FMW-6 and FMW-7) were installed approximately 100 feet down gradient (northwest) of the ARFF source location. All three monitoring wells were installed to a total depth of 12 feet below grade and were screened across the water table. Groundwater samples were collected from each of the wells on February 17, 2000 and were analyzed for VOCs and SVOCs by USEPA Method 8260 and 8270, respectively by the Westchester Department of Labs and Research, a NYS-certified laboratory. The results of those analyses showed the existence of VOCs and SVOCs at the source area location (FMW-5), but no contaminants in either of the down gradient wells (FMW-6 and FMW-7).

Monitoring well FMW-8 was installed adjacent to the Former ARFF Burn Pit on June 15, 2000 to a depth of 12 feet. This monitoring well was installed to provide background data upgradient of the ARFF Burn Pit area. A groundwater sample was collected from monitoring well FMW-8 on November 30, 2000 and was analyzed for VOCs and SVOCs by a NYS-certified laboratory by USEPA methods 8260 and 8270, respectively.

Previous sampling of monitoring well FMW-5 detected several VOCs in groundwater above their regulatory guidelines, including cis-1,2-dichloroethene, a chlorinated solvent, which is more dense than water. Compounds that are denser than water will tend to sink in groundwater when present at high concentrations. In order to evaluate the potential for contaminants in a deeper hydrologic unit, specifically the bedrock, a bedrock monitoring well (FMW-23) was completed on November 16, 2000. A groundwater sample was collected from monitoring well FMW-23 on November 30, 2000 and analyzed for VOCs and SVOCs by a NYS-certified laboratory by USEPA methods 8260 and 8270, respectively. The results of the groundwater sample analysis are discussed in detail in a subsequent section.

Soil Excavation And Post-Excavation Soil Sampling

Soil in the area of the ARFF Burn Pit was excavated in several stages. Initially, an area approximately 60 by 90 by 6 feet deep was excavated between May 16 and 19, 2000. During the excavation, monitoring well FMW-5 was destroyed. Since all contaminated soil in the area of FMW-5 was removed to a depth of six feet, no further monitoring of shallow groundwater at this location was warranted therefore FMW-5 was not replaced. Post-excavation bottom and sidewall samples were collected at a frequency of approximately one per 35 linear feet of excavation sidewall (S1 through S-13). The extent of excavation and locations of post-excavation samples are presented on Figure 6. Soil samples were analyzed for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively. Based on the results of the initial round of post excavation soil sampling, four locations were identified as exceeding the TAGM recommended soil cleanup objectives for several SVOCs, therefore additional excavation and sampling was warranted.

The second round of soil excavation which addressed the soil with SVOC concentrations above the TAGM recommended soil cleanup objectives identified at S-4, S-6, S-9, and S-11, was conducted on July 3, 2000 and extended the eastern and western edges of the excavation. Additional post excavation soil samples S-14 through S-20 were collected.

The final round of excavation addressed soil with SVOCs above the TAGM recommended soil cleanup objectives identified at sample locations S-14 through S-17. Additional post excavation soil samples S-21 through S-24 were collected from geoprobe borings on August 25, 2000, and post excavation samples S-25 through S-28 were collected from geoprobe borings on

September 15, 2000. Post excavation samples S-29 and S-30 were collected on October 20, 2000.

A total of 2,803 tons of soil was excavated and transported off-site to Soil Safe, Inc. of Salem, New Jersey for disposal.

Soil Re-Use Sampling

In order to restore the area of the excavation to original grade, soil previously stockpiled on site was evaluated to determine if it was suitable for reuse to backfill the ARFF Burn Pit excavation. The proposed backfill soil consisted of a large stockpile of soil located west of Hanger B. The stockpile was generated from the construction of a taxiway as part of the Phase III Construction at the Airport.

Although not a regulatory requirement, the soil pile was sampled to confirm its suitability for use as backfill material. The stockpile was sampled on October 30, 2000 (GB-49 through 59) for VOCs and SVOCs. Each sample consisted of a composite sample collected from a depth ranging from 0 to 7 to 0 to 12 feet from the top of the soil pile, to be representative of the entire soil pile thickness. The soil consisted of reddish brown sand, gravel and silt, free of deleterious material with no elevated PID readings observed. Based on the results of the soil sampling, the soil pile was determined to be suitable for reuse to backfill the excavation at the ARFF Burn Pit.

Analytical Results

Initial Sampling

The results of the initial soil sampling in the ARFF Burn Pit Area identified trace concentrations of VOCs, including toluene, ethylbenzene and xylenes below recommended soil cleanup objectives, and total tentatively identified compounds (TICs) at B-5 of 14.18 ppm, above the recommended soil cleanup objective of 10 ppm for total VOCs. The total TICs at B-7 and the sediment sample were below the soil cleanup objective of 10 ppm with concentrations of 3.977 and 3.214 ppm, respectively. The concentration of the SVOC benzo(a)pyrene in all three soil samples exceeded the recommended soil cleanup objective for benzo(a)pyrene of 61 ppb, with concentrations ranging from 144 to 2,580 ppb. The following SVOCs were detected in soil sample B-5 and the sediment sample in excess of the recommended soil cleanup objectives: benzo(a)anthracene, chrysene, and dibenz(a,h)anthracene. The results of the initial soil sampling at Area #25 are presented in Table 11A.

The concentrations of the following VOCs exceeded the guidance values in one or both of the groundwater samples; vinyl chloride, benzene, toluene, ethylbenzene, and total xylenes. The VOC trichloroethene was detected at B-5W, but at a concentration below the regulatory guidance value. The SVOCs naphthalene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene were detected at B-5W above the regulatory guidance value. Other SVOCs, including phenanthrene, anthracene, and pyrene were detected in both B-5W and B-7W, but at concentrations below regulatory guidelines. The results of the initial groundwater sampling of B-5W and B-7W are presented in table 11B.

Monitoring Wells FMW-5 through FMW-8 and FMW-23

The groundwater sample from FMW-5 had detections for the VOCs cis-1, 2 dichloroethene (62 ppb) and total xylenes (29.91 ppb) above the regulatory guideline of 5 ppb, and the VOCs vinyl chloride (40 ppb) and benzene (1.2 ppb), above the regulatory guidelines of 2 and 1, respectively. The VOCs ethylbenzene and trichloroethene were also detected at FMW-5, but below the regulatory guideline of 5 ppb. The SVOCs naphthalene, phenanthrene, 2-methylnaphthalene, carbazole, and fluorine were detected at FMW-5, but at concentrations below the regulatory guideline of 5 ppb. The groundwater sample analytical results for the Area #25 monitoring wells are presented in Table 12.

No VOCs or SVOCs were detected at either FMW-6 or FMW-7. The groundwater sample from monitoring well FMW-8 detected the VOC trichloroethene at 0.606 ppb, and the SVOC bis-(2-ethylhexyl)phthalate at 1.77 ppb, both below their regulatory guidelines of 5 ppb.

The groundwater sample from the bedrock monitoring well FMW-23 identified the VOC vinyl chloride at 15.2 ppb, above the regulatory guideline of 2 ppb. The VOCs trichloroethene (4.66 ppb) and chloroform (0.986) were detected at FMW-23 at concentrations below their regulatory guidelines of 5 and 7 ppb, respectively. The SVOCs di-n-butylphthalate (1.8 ppb) and bis(2-ethylhexyl)phthalate were detected at concentrations below the regulatory guidelines of 50 and 5 ppb, respectively.

Soil Excavation and Post-Excavation Soil Sampling

The results of the post-excavation soil sampling are presented in Table 13A. No exceedances of the recommended soil cleanup objectives for VOCs were identified in any of the soil samples.

Post-excavation soil sampling after the first round of soil excavation identified exceedances of the recommended soil cleanup objectives for one or more of the following SVOCs: benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, and/or dibenz(a,h)anthracene at the following locations: S-4, S-6, S-9, S-10 and S-11. The slight exceedances at S-10 are likely attributable to asphalt in the soil, therefore additional excavation at S-10 was not warranted.

The results of the second round of post-excavation soil sampling identified exceedances of the recommended soil cleanup objectives for one or more of the following SVOCs : benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, and/or dibenz(a,h)anthracene, at one or more of the following locations: S-14, S-15, S-16 and S-17. Based on the exceedances identified, additional soil excavation and sampling was conducted.

The third round of soil sampling at the ARFF Burn Pit identified slight exceedances for SVOCs at S-23 (benzo(a)anthracene, chrysene, and benzo(a)pyrene) and S-24 (chrysene). The soil encountered at S-23 was excavated, however the slight exceedances identified at S-24 were attributed to asphalt and therefore not excavated.

The final round of post-excavation soil sampling (S-29 and S-30) identified slight exceedances for the SVOCs benzo(a)anthracene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene, however these slight exceedances are not believed to be attributable to the ARFF Burn Pit.

Soil Re-Use Sampling

Soil samples collected from the soil pile did not identify any VOCs or SVOCs above the recommended soil cleanup objectives. Based on the results of the soil re-use sampling, part of the soil pile was used for backfilling the excavation at the Former ARFF Burn Pit. The excavation at the former ARFF Burn Pit area was backfilled to match the elevation of the surrounding area of the site. The results of the soil reuse sampling are summarized on Table 13B.

CONCLUSIONS/RECOMMENDATIONS

The results of the post excavation soil sampling verify that all soil with VOCs and SVOCs concentrations above the recommended soil cleanup objectives related to the operations at the ARFF Burn Pit has been removed. The soil used to backfill the excavation was suitable for

reuse, and the excavation has been backfilled to grade. No further remediation of the soil contamination previously identified is warranted.

The shallow groundwater in this area generally flows to the north, but based on available information, this area is believed to be part of the Rye Lake Watershed. The results of the groundwater sampling from the monitoring wells in the shallow overburden aquifer (FMW- 6 through FMW-8) identify no exceedances of the regulatory guidelines for either VOCs or SVOCs, however detections for a trace of trichloroethene, although below the regulatory guideline, at FMW-8 may warrant additional monitoring.

Groundwater in the deeper bedrock aquifer flows to the south, away from Rye Lake. The analytical results of the groundwater sampling of the bedrock monitoring well (FMW-23) identified the VOC vinyl chloride at a concentration in excess of the regulatory guideline and the VOCs tetrachloroethene and trichloroethene at concentrations below regulatory guidelines. The installation of two additional bedrock monitoring wells is warranted in the area of FMW-23 in order to determine the extent of VOCs in the bedrock aquifer above the regulatory guidance values.

Two additional bedrock monitoring wells are proposed; one, adjacent to FMW-8 to the east of the former ARFF Burn Pit and a second approximately 100 feet south (hydraulically downgradient) of the former ARFF Burn Pit. The two proposed bedrock monitoring wells as well as the four existing monitoring wells should be sampled regularly for VOCs and SVOCs. These wells will be used to evaluate both the extent of VOCs as well as groundwater flow direction in the shallow and bedrock aquifers. Based on the results of the additional investigation, a request to close this spill case may be made to the NYSDEC or further investigation may be warranted. In addition, depending on the results of the additional investigation, these bedrock wells may be included on the Groundwater Monitoring Program, discussed below.

AREAS #26 AND #27 HANGAR B (NYSDEC SPILL #98-09015 & #9811689)

BACKGROUND/PRIOR INVESTIGATIONS

Areas #26 and #27 are associated with Hanger B, the approximate location of which is shown on Figure 2. Hanger B consists of a one-story commercial building and an attached maintenance hanger. The buildings were formerly heated with No. 2 fuel oil that had been

stored in two 1,000-gallon USTs. The fuel oil USTs were located under the southwestern corner of the hangar. In 1998, the two USTs were abandoned in place (filled with sand), in accordance with NYSDEC and Westchester County Department of Health petroleum bulk storage regulations.

Historically, there were additional storage facilities at the Hangar B property. Specifically, aviation fuel was stored in one 5,000-gallon and two 3,000-gallon USTs located north of the hangar. These USTs were also removed during a 1998 tank closure program. No evidence of a petroleum release was noted during removal of the 5,000-gallon aviation fuel UST. Evidence of spills was identified during the removal of the two 3,000-gallon tanks and during advancement of a test boring in the vicinity of the two 1,000-gallon No. 2 fuel oil USTs. These releases were reported to NYSDEC (Case #s 9809015 & 9811689). During excavation of the two 3,000-gallon gasoline tanks, petroleum-impacted soils were reportedly removed to a depth of 8-9 feet below grade. The spill case #9809015 was confirmed by the NYSDEC as being closed. Spill case #9811689 required investigation as described below.

Based on the results of the tank closure program, soils and groundwater in close proximity to the two 3,000-gallon gasoline tanks were sampled and found to contain elevated concentrations of VOCs. However, due to the number of soil borings advanced around the remainder of the excavation area and the absence of elevated concentrations of VOCs and total petroleum hydrocarbons in soil sampled from these borings, the independent consultants report concluded that the extent of petroleum-impacted soils above the water table was limited. In August 1999, groundwater collected at four temporary monitoring well locations indicated concentrations of VOCs above the NYSDEC groundwater standard. The contaminants detected included benzene (170 ppb) and isopropylbenzene (21 ppb) at TW-1 on the south side of the former tank location and 1,2,4-trimethylbenzene (62 ppb) at TW-3, to the north of the former tank location.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

The proposed investigation of Areas #26 and #27 was detailed in the NYSDEC-approved Hangar B Investigation and Remedial Work Plan prepared by First Environment, dated May 26, 2000. The soil in the vicinity of Areas #26 and #27 was investigated by collecting ten soil samples from nine borings (GB-11 through GB-19) on June 20 and 21, 2000. All soil was field screened with a PID, and the depth interval with the highest PID reading from each boring was

selected for laboratory analysis. The field screening at GB-11 identified two intervals with equally high PID readings (1,700 ppm), therefore two soil samples were collected from this location. A NYS-certified laboratory analyzed all soil samples for VOCs and SVOCs by USEPA methods 8021 and 8270, respectively.

Four permanent monitoring wells (FMW-19 through FMW-22) were installed on June 29 and 30, 2000, in the vicinity of Areas #26 and #27 to evaluate groundwater quality. Monitoring well FMW-19 was installed upgradient (east) of the former UST locations. The remaining three monitoring wells were installed either in or downgradient of the suspected contaminant source areas (former UST locations). The four groundwater monitoring wells (FMW-19 through FMW-22) were sampled on July 28, 2000 and analyzed by a NYS-certified laboratory for VOCs and SVOCs by USEPA methods 8021 and 8270, respectively.

Based on the results of the initial soil and groundwater sampling, specifically regulatory exceedances detected in the soil in GB-11, GB-13 and 17, and in the groundwater at FMW-20, three additional monitoring wells (FMW-28 through FMW-30) were installed on October 11, 2000, downgradient of the suspected source area. All seven monitoring wells were sampled on October 28, 2000 and analyzed by a NYS-certified laboratory for VOCs and SVOCs by USEPA methods 8021 and 8270, respectively. Sample locations are presented on Figure 6 – Detail Area C.

Analytical Results

The soil sampling identified exceedances of the TAGM recommended soil cleanup objectives for the two soil samples collected at GB-11 and the samples collected at GB-13 and GB-17 as described below. The soil sample collected from GB-11 from 6.5 to 7 feet exceeded the recommended soil cleanup objectives for the VOCs toluene (52,500 ppb), xylenes (9,290 ppb), 1,2,4-trichlorobenzene (3,710 ppb) and 1,3,5-trimethylbenzene (1,390 ppb). The soil sample collected from GB-11 from 9 to 9.5 feet exceeded the recommended soil cleanup objective for the VOCs xylenes (1,240 ppb) and n-propylbenzene (148 ppb). The soil sample from GB-13 exceeded the recommended soil cleanup objective for the VOC n-propylbenzene (375 ppb). The soil sample from GB-17 exceeded the recommended soil cleanup objectives for the NOCs sec-butylbenzene (952 ppb) and 4-isopropyltoluene (283 ppb). No other soil analytes for the samples from this area exceeded the recommended soil cleanup objectives. The analytical

results for all soil and groundwater sampling conducted in the vicinity of Areas #26 and #27 are presented in Tables 14A and 14B, respectively.

The groundwater results for the monitoring wells in the vicinity of Areas #26 and #27 identified exceedances of regulatory guidance values at monitoring wells FMW-19 and FMW-20. An exceedance for the VOC toluene (10.1 ppb versus a regulatory guidance value of 5 ppb) was observed during the initial sampling of FMW-19, the upgradient monitoring well, on July 12, 2000. When FMW-19 was resampled on October 11, 2000, no VOCs were detected indicating the initial detection and exceedance may have been the results of cross contamination of the first sample. Exceedances of the 5 ppb regulatory guidance values for select individual VOCs were identified during both rounds of groundwater sampling at FMW-20 for, toluene (6,300 and 3,170 ppb), ethylbenzene (58 and 64.4 ppb), and total xylenes (127 and 65.8 ppb). The concentration of benzene exceeded the regulatory guidance value of 1 ppb during both sampling events (303 and 366 ppb). Other VOCs detected in groundwater below applicable regulatory guidance values included methyl tertiary butyl ether (MTBE) at FMW-20, FMW-21, FMW-22 and FMW-30 and sec-butylbenzene at FMW-22. Several SVOCs were detected at FMW-22, but below regulatory guidance values.

CONCLUSIONS/RECOMMENDATIONS

Based on the soil and groundwater analytical results, impacts to soil and groundwater have been identified in the former UST areas. While groundwater in this vicinity does flow in the direction of Rye Lake, wells downgradient of this area demonstrate no exceedances of regulatory guidelines, confirming that this impact is localized.

Exceedances of soil cleanup objectives at GB-11 correspond with exceedances of groundwater guidelines at FMW-20, therefore additional action in this area is warranted. The downgradient extent of soil contamination was identified at soil borings GB-12, GB-14 and GB-15. The upgradient extent of soil contamination is not expected to extend much beyond the UST, but will be verified by post-excavation soil sampling. The extent of groundwater contamination has been identified by downgradient monitoring wells FMW-21, FMW-22, FMW-28 and FMW-29.

Hanger B is scheduled to be demolished during Fall 2001, as part of the Phase IV project that includes the installation of a parallel taxiway. The removal of the two abandoned USTs and the excavation of the contaminated soil identified in this area will occur at that time. The

remediation should include post excavation soil sampling in accordance with the NYSDEC Spill Technology and Remediation Series (STARS) Memo #1 and TAGM requirements. Groundwater monitoring from two groundwater monitoring wells, FMW-1R and FMW-30, as dictated by NYSDEC requirements to ensure appropriate closure of the associated Spill Case #9811689 and to verify that there are no further impacts to groundwater quality in this area. Spill Case #9809015 was previously closed by the NYSDEC.

Exceedances of recommended soil cleanup criteria at GB-17 have not impacted groundwater quality beyond the regulatory guidance values at downgradient monitoring wells FMW-22 and FMW-30, therefore no further action is warranted associated with the contaminants detected at GB-17.

AREA #28: OLD MAINTENANCE BUILDING (NYSDEC SPILL #9611948)

BACKGROUND/PREVIOUS INVESTIGATIONS

According to Airport personnel, one 2000-gallon #2 fuel oil UST was installed in 1973 beneath the concrete floor of the old maintenance building. In December 1996, the Building was demolished and the UST was removed. During the removal of the UST, the tank was found to have leaked and contaminated the adjacent soil. The release was reported to the NYSDEC and issued spill #9611948. According to Airport personnel, the extent of the subsurface soil contamination appeared to be confined to a relatively small area around the excavation. The contaminated soil was excavated and disposed and the case was closed by NYSDEC in December 1997. The approximate location of Area #28 is presented on Figure 2.

CONCLUSIONS/RECOMMENDATIONS

Since the spill case has been closed by the NYSDEC, no further investigation of this area is warranted. No additional investigation of this area was conducted.

AREA #29 DEPARTMENT OF PUBLIC WORKS (DPW) DUMP AREA

BACKGROUND/PREVIOUS INVESTIGATIONS

A report by Haley & Aldrich dated March 1998 identified an area of fill on the northwestern portion of the Airport property that was believed to contain petroleum-contaminated soil. The Haley & Aldrich report was prepared as a geotechnical study in order to evaluate the suitability

of the subject area for a future hangar that was never constructed. The approximate location of Area #29 is presented on Figure 2.

Although analyses show that this area is not a significant source of contamination, field investigations did detect low concentrations of VOCs (toluene-36ppb; xylene-6.6ppb) and SVOCs (benzo (a) anthracene-1200ppb; benzo (b) fluoranthene-1500ppb; benzo (ghi) perylene-960ppb; benzo (a) pyrene-1300ppb; chrysene-1300ppb; fluoranthene-2700ppb; indeno (1,2,3-cd) pyrene-970ppb; phenanthrene-1200ppb; and pyrene-2000ppb) in one of the six soil borings investigated by Haley & Aldrich.

In addition, the March 1998 Haley & Aldrich report describes the installation of a total of five observation wells in Area #29. However, because Haley & Aldrich advanced these wells for geotechnical purposes, no chemical testing of the wells was previously conducted.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

During First Environment's site investigation, which included a visual inspection of Area #29, a large amount of asphalt debris was observed throughout the soil in the area. Because the Haley & Aldrich soil boring which contained the low concentrations of contaminants was taken at or near the ground surface (0-2 feet), and because the listed compounds identified by Harley & Aldrich are typical of those found in asphalt, First Environment believes that the suspect petroleum contamination is actually residual from the asphalt debris located on-site.

In January 2000, during a detailed field search performed by First Environment and Airport personnel, only three of the five wells could be located. It is believed that the two missing wells were most likely destroyed, buried or abandoned since the 1998 Haley & Aldrich investigation. The approximate locations of the existing monitoring wells are presented on Figure 2 as GE-MW-1, GE-MW-2 and GE-ME-3.

Groundwater samples were collected from the 3 wells (GE-MW-1, GE-MW-2 and GE-MW-3) on February 17, 2000 and were submitted to a NYS-certified laboratory for analysis for TCL VOCs and TCL SVOCs constituents by USEPA methods 8260 and 8270, respectively. In addition, the groundwater samples were analyzed for TAL inorganic constituents by USEPA method 6010/7000/9010.

Analytical Results

None of the samples contained any detectable concentrations of VOCs or SVOCs. A number of inorganics (metals) were detected in all three groundwater samples at concentrations above regulatory guidance values, however these concentrations are attributable to sample turbidity and may represent naturally occurring concentrations. Groundwater analytical results are presented on Table 15.

CONCLUSIONS/RECOMMENDATIONS

Based on the results of the site investigation, previous analyte detections by Haley & Aldrich in Area #29 are likely attributed to asphalt present in the soil. The recent groundwater sampling confirms that there has been no adverse impact to the underlying groundwater. Based on the findings of this investigation, no additional investigation is warranted at this location.

AREA #30: FAA CONTROL TOWER (NYSDEC SPILL #9010102)

BACKGROUND/PREVIOUS INVESTIGATION

On December 6, 1990, a leaking underground diesel fuel storage tank was discovered in the area of the FAA Control Tower located on the southwest portion of the airport property (NYSDEC Spill #9010102). The approximate location of Area #30 is presented on Figure 2. According to Airport personnel, as a result of this discovery, the FAA closed and removed the fuel tank and has replaced all underground tanks with aboveground fuel tanks. Impacted soil was excavated and properly disposed of and the case was subsequently closed by the NYSDEC.

CONCLUSIONS/RECOMMENDATIONS

The spill case has been closed by the NYSDEC. No further investigation of this area is warranted. No additional investigation of this area was conducted.

AREA #31: NYS-DOT LANDFILL OFF-SITE LOCATION

The Harrison Subresidency Area consists of the area between the Airport and Rye Lake owned and operated by the New York State Department of Transportation. The Harrison Subresidency Area is generally bounded to the north and east by the Airport, to the south by

New King Street, and to the east by Route 120. The approximate location of Area #31 is presented on Figure 2. First Environment initially was not tasked as part of its work for the Airport with an investigation of the NYSDOT site, as it is not owned or operated by the Airport. However in response to requests from Westchester County DOT, we have conducted some preliminary research into the status of groundwater issues at the site. Groundwater issues associated with the Harrison Subresidency site can be divided into two categories: the landfill and the former USTs.

BACKGROUND/PREVIOUS INVESTIGATIONS

Based on First Environment's review, it appears that the site was the location of a construction material landfill for the NYSDOT starting in 1967 for the disposal of concrete and associated debris generated from the construction of Route 684. The landfill was used for the disposal of steel guardrails, concrete, asphalt shoulder scrapings, old paint containers and roadside debris. After 1976, metal debris, empty paint containers and residue were shipped off site. During previous investigations, drums of road paint were identified in the landfill and soil adjacent to the drums had high (hazardous/flammable) levels of VOCs. The soil immediately adjacent to the drums as identified during site investigation activities was reportedly removed from the site. The landfill closure was conducted under a June 1996 Memorandum of Understanding between the NYSDEC and the NYSDOT and was completed in December 1998 with the final vegetative cover placed in 1999. Based on conversations First Environment has had recently with the NYSDOT personnel, the closure was approved by the NYSDEC; however First Environment has not seen any closure approvals to that effect.

An area now occupied by the landfill was drained by the installation of a 48-inch diameter corrugated culvert that later bisected the landfill as it expanded into the former wetlands areas. During landfill closure construction the culvert was "abandoned in place" (abandoned) and the stream was re-routed around the landfill. In conjunction with this, part of the stream was lined with an impermeable liner, presumably to prevent the transmission of water to the landfill or leachate from the landfill.

Currently there are seven monitoring wells included in the NYSDOT groundwater monitoring program for the landfill which focuses on metals, but also includes some VOCs and other analytes (i.e. PCBs, pesticides). Pre-closure groundwater monitoring conducted in the area of the landfill included analysis for VOCs and SVOCs at several downgradient locations and only

trace concentrations of analytes were identified and were attributed to laboratory contamination (identified in blanks). Data from one round of post closure groundwater monitoring identified low concentrations of xylenes and toluene at one monitoring well, and methyl tertiary butyl ether (MTBE), a common gasoline additive, in another monitoring well. The concentrations were all below regulatory guidelines.

The Harrison Subresidency site is the location of a fuel spill from one or more of three underground storage tanks previously located in this area. The three storage tanks had a combined capacity of approximately 10,000 gallons, and included gasoline, diesel and fuel oil. The removal of the three USTs also included the removal of 130 tons of soil, and about 8500 gallons of contaminated water, presumably from excavations. No UST closure report was made available, and since groundwater contamination was identified, the case is likely still open.

Due to releases from the UST(s), a contaminated groundwater plume has migrated to the northwest towards Rye Lake. The plume was estimated to be approximately 100 feet wide by 200 feet long by 15 feet deep consisting of approximately 675,000 gallons of impacted groundwater. The groundwater is impacted primarily by components of gasoline consisting of benzene, toluene, ethylbenzene and xylenes (BTEX) and MTBE.

In order to address groundwater contamination an Air Sparge (AS) /Soil Vapor Extraction (SVE) System was installed. Air sparging refers to a process of injecting air to the groundwater to remove VOCs, while soil vapor extraction refers to the extraction of air from the unsaturated soil above the water table. The combined AS/SVE system is intended to address the removal of VOCs from the groundwater plume. The system just began operating in October 2000 and as such the data is limited and the system's effectiveness is not yet known.

CONCLUSIONS/RECOMMENDATIONS

The seven NYSDOT monitoring wells currently located in the area are shallow wells; one upgradient and six downgradient. Because of the proximity to the public water supply, First Environment recommends additional deep monitoring wells to fill potential data gaps and to ensure no contaminants from the landfill are migrating to Rye Lake. First Environment anticipates that two additional deep monitoring wells will be adequate, but the specific number

and location of additional monitoring wells should be based on groundwater flow information, which has not yet been received.

The groundwater cleanup standard referred to in the Basis for Design (100 ppb total BTEX) is approximately 20 to 100 times the NYDEC standard for any single BTEX compound. An explanation for the allowance of such a lenient cleanup standard for this area was not provided to First Environment. First Environment recommends that the Airport request a further explanation from the NYSDOT as to why an apparently inadequate standard for spill remediation has been established for this spill.

Based on the information received by First Environment to date, the contaminated groundwater plume appears to be fairly well delineated horizontally in the downgradient (Rye Lake) direction, but not vertically, as contaminants have been identified to at least 12 feet below the water table. Additional information regarding groundwater flow direction is necessary before determining if additional shallow monitoring wells are necessary. Because it does not appear as though the plume has been delineated vertically, there is the potential that the constituents may threaten Rye Lake with concentrations of BTEX (up to 1500 ppb total) and MTBE above the groundwater standard. Based on the results of the first quarterly round of groundwater monitoring, to be issued soon, the effectiveness of the AS/SVE system and groundwater flow direction can be evaluated to determine the need for more action in this area.

Monitoring wells DEPMW-1 and DEPMW-2, located off-site near the shore of Rye Lake, are included as sentinel wells in the Groundwater Monitoring Program, discussed below, to further evaluate potential future impacts from the Harrison Subresidency Area.

AREA #32 SEPTIC #1

BACKGROUND/PREVIOUS INVESTIGATIONS

According to Airport personnel, Hangar B is still serviced by an active septic system. The approximate location of the septic system is delineated as Area #32 on Figure 2. Airport representatives stated that Hangar B has been serviced by the same septic system since its construction in 1964 and that the system is presently pumped out on a quarterly basis. Prior to 1964, the same septic system serviced a house that stood in the area now occupied by the

Hangar B parking lot. The house, which according to Airport personnel, was known as the "Aviation Building", existed on-site from the early 1900's until its demolition in 1964.

INVESTIGATION BY FIRST ENVIRONMENT

Sampling of this area was conducted by First Environment to determine if materials introduced to the septic system may have had an adverse impact on the underlying soil and/or groundwater.

Sample Collection

Four geoprobe soil borings (S1-1 through S1-4) were advanced in the area of the septic system leach field. Each soil boring was screened with a PID with no readings above zero ppm. Soil samples were generally collected immediately above the water table, and submitted to a NYS-certified laboratory for analysis for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively. A groundwater sample, collected from a temporary monitoring well installed at S1-4, was submitted to a NYS-certified laboratory for analysis for VOCs and SVOCs. Sample locations are presented on Figure 6 - Detail Area C.

Analytical Results

Methylene chloride was detected in low concentrations in all of the soil samples. However, methylene chloride is a common laboratory contaminant, was likely introduced at the laboratory, and is not representative of site conditions.

Very low concentrations of VOCs, specifically 1,4-dichlorobenzene at 3.31 ppb, slightly above the regulatory guideline of 3 ppb, trichloroethene at 3.21 ppb and toluene at 1.62 ppb, both below the regulatory guidance of 5 ppb were detected in the groundwater sample from S1-4.

It should be noted that all the VOCs detected were at concentrations below the laboratory method detection limits. The actual concentrations may vary from those reported. No SVOCs were detected in the groundwater sample from S1-4. The analytical results for soil and groundwater samples from Area # 32 are presented in Tables 16A and 16B, respectively.

CONCLUSIONS/RECOMMENDATIONS

Based on a review of the analytical results, the estimated concentration of the VOC 1,4-dichlorobenzene slightly exceeds the groundwater regulatory guideline. However, based on the soil analytical results, no source material for VOCs or SVOCs is present in the soil. No soil

contamination has been identified and therefore no additional soil investigation or remediation is warranted.

To verify if the VOC detected in the groundwater is representative of site conditions and is in fact above the regulatory guideline, the groundwater at this location should be resampled for VOCs. The additional groundwater sample should be analyzed for VOCs by USEPA Method 8260. If exceedances are identified, permanent monitoring wells should be installed in the area of and downgradient of S1-4. Based on the analytical results, a determination will be made as to whether or not to include these wells in the Groundwater Monitoring Program. Monitoring well, MW-1, the nearby sentinel well will be included in the Groundwater Monitoring Program.

AREA #33 SEPTIC #2

BACKGROUND PREVIOUS INVESTIGATION

According to Airport personnel, an abandoned septic system still exists beneath the old maintenance building formerly located north of Hangar B. The approximate location of the septic system is identified as Area #33 on Figure 2. Airport personnel could not confirm how long or for which years Septic #2 serviced the old maintenance building.

In December 1996, the Building was demolished and a UST was removed, however the septic system remained in place. During the removal of the UST, the tank was found to have leaked and contaminated the adjacent soil (NYSDEC #96-11948). According to Airport personnel, the extent of the subsurface soil contamination appeared to be confined to a relatively small area around the tank pit. The contaminated soil was excavated and disposed and the case was closed by NYSDEC in December 1997.

INVESTIGATION BY FIRST ENVIRONMENT

Sampling of this area was conducted by First Environment to determine if materials introduced to the septic system may have had an adverse impact on the underlying soil and/or groundwater.

Sample Collection

Four geoprobe soil borings (S2-1 through S2-4) were advanced in the area of Septic #2 as shown on Figure 2. Each soil boring was field-screened with a PID. The only location having a

PID reading above zero was S2-4, with readings up to 1.3 ppm. Soil samples were collected from the depth interval immediately above the water table and submitted to a NYS-certified laboratory for analysis for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively.

A temporary monitoring well was installed at boring S2-4 and a groundwater sample was collected and submitted to a NYS-certified laboratory for analysis for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively.

Analytical Results

Methylene chloride, was detected in low concentrations in all of the soil samples. However, methylene chloride, a VOC, is a common laboratory contaminant, and was likely introduced at the laboratory, and is not representative of site conditions. No other VOCs or SVOCs were detected in the soil samples.

No VOCs were detected in the groundwater sample from S2-4. The only SVOC detected in the groundwater sample from S2-4 was diethylphthalate at 3.3 ppb, below the regulatory guidance value of 50 ppb. The analytical results for soil and groundwater samples from Area #32 are presented on Tables 17A and 17B, respectively.

CONCLUSIONS/RECOMMENDATIONS

No exceedances of regulatory guidelines were detected in either the soil or groundwater samples collected from Area #32. No further investigation of Area #32 is warranted.

AREA #34 SEPTIC #3

BACKGROUND/PREVIOUS INVESTIGATIONS

The Air National Guard (ANG) formerly used a septic system that discharged to a septic tank and sand filters (septic field) located south of Hangar 6. According to Airport personnel, the former ANG septic field was reportedly located beneath Hangar V; however based on several historic drawings, provided by the ANG, the septic tank and septic field are located 400 and 560 feet south of Hangar 6, north of Hangar V. The groundwater in this area flows towards Blind Brook and will not have an adverse impact on Rye Lake. The approximate location of Area #34 (Septic 3) is shown on Figure 2. This septic field formerly serviced the ANG installation, which existed on the Airport property between 1947 and 1983. (According to Airport personnel, the

entire Airport, including the ANG installation, was hooked into the sewer system in ¹⁹⁶²1972, with the exception of the septic system previously discussed, currently in operation at Hangar B).

INVESTIGATION BY FIRST ENVIRONMENT

Sampling of this area was conducted by First Environment to determine if materials introduced to the septic system may have had an adverse impact on the underlying soil and/or groundwater.

Sample Collection

The septic tank and septic field identified as Area #34 was investigated through the collection of soil and/or groundwater samples from 30 geoprobe borings and the collection of groundwater samples from nine permanent monitoring wells. The investigation was conducted between August 10 and December 19, 2000. All soil borings were screened with a PID and soil sample depth intervals were selected based on field observations, including elevated PID readings. If there were no elevated PID readings, samples were collected from the depth interval immediately above the water table. The investigation of Area #34 began with soil borings S3-1 through S3-4 and monitoring well FMW-12, and was expanded to include most of the ramp area between Hanger 6, Hanger V, as shown on Figure 6 - Detail Area B.

Due to the detections of chlorinated VOCs, specifically tetrachloroethene and trichloroethene, compounds that are denser than water and that have a tendency to sink in groundwater, the scope of the investigation was expanded to include the sampling of groundwater from the bedrock aquifer. The bedrock aquifer was investigated through the installation and sampling of two bedrock monitoring wells (FMW-35 and FMW-36), which were coupled with adjacent shallow wells.

Selected soil and groundwater samples were submitted to a NYS-certified laboratory for analysis. All samples were analyzed for VOCs by USEPA method 8260; select samples were also analyzed for SVOCs by method 8270. One groundwater sample from FMW-12 was also analyzed for PCBs, pesticides, metals and cyanide.

Analytical Results

The analytical results for all soil and groundwater samples collected from Area #34 are presented in Tables 18 and 19. There were no VOCs detected in the soil samples above

regulatory guidelines. The following VOCs were detected, but at concentrations below the recommended soil cleanup criteria: tetrachloroethene at S3-2, ethylbenzene and xylenes at S3-16, and toluene at S3-17, S3-25, and S3-28. No SVOCs were detected in any of the soil samples from Area #34.

The sampling of the shallow, overburden, aquifer identified exceedances of regulatory guidelines for four VOCs as detailed below. Exceedances of the regulatory guideline for tetrachloroethene were identified at temporary monitoring wells S3-4, S3-6, S3-8, S3-11, S3-17, S3-22, shallow monitoring wells FMW-12 and FMW-32, with concentrations detected below regulatory the guideline at six other locations. Exceedances of the regulatory guideline for trichloroethene were detected at temporary monitoring wells S3-6 and S3-9, with detections below the regulatory guideline at 12 other locations. The concentrations of ethylbenzene and xylenes exceeded the regulatory guidelines at S3-16. The VOCs benzene and vinyl chloride were below the regulatory guidelines at S3-30 and FMW-37 respectively.

The groundwater samples from monitoring wells FMW-33 and FMW-37, located at the western and southern end of Area #34, and FMW-40, located at the eastern end of Area #34 identified no exceedances of regulatory guidance values. The sampling of the two bedrock monitoring wells in Area #34 identified exceedances of the regulatory guideline for tetrachloroethene at both FMW-35 and FMW-36. Trichloroethene was also detected at FMW-35 and FMW-36 at concentrations below the regulatory guidance values.

CONCLUSIONS/RECOMMENDATIONS

According to historic ANG drawings, the former septic tank appears to be located at the approximate location of monitoring well FMW-12. The status and location of the septic tank should be investigated further through a geophysical survey such as ground penetrating radar survey. If a septic tank is identified, it should be removed to prevent the possibility of continuing discharges from this area.

Based on a review of the groundwater analytical results, the shallow, overburden aquifer and the underlying bedrock aquifer in this area have been impacted. The groundwater in this area flows towards Blind Brook and will not have an adverse impact on Rye Lake. Thus far, the extent of the contamination in the shallow aquifer has been delineated at the southern, eastern and western ends of Area #34 as well as to the north, where groundwater samples from

DPWMW-1, DPWMW-2 and DPWMW-3 have not had exceedances of these contaminants. Additional bedrock groundwater monitoring wells are warranted downgradient of FMW-35 and FMW-36 in order to evaluate the extent of groundwater contamination present in the bedrock aquifer. Future bedrock monitoring wells should be constructed in the same manner as the bedrock wells installed during this investigation, specifically double cased to prevent the possibility of cross contamination between the overburden and bedrock groundwater intervals. Based on the results of this additional investigation, these wells may or may not be included in the Groundwater Monitoring Program, discussed below.

AREA #35 SEPTIC #4

BACKGROUND/PREVIOUS INVESTIGATIONS

According to Airport personnel, a septic field, which formerly serviced the Airport, prior to the Airport's conversion to sewer in ¹⁹⁶²1972, is currently located adjacent to Taxiway L on the southern portion of the Airport property. The approximate location of the septic system is presented as Area #35 on Figure 2. Area #35 is located in the immediate area of Blind Brook.

INVESTIGATION BY FIRST ENVIRONMENT

Sampling of this area was conducted by First Environment to determine if materials introduced to the septic system may have had an adverse impact on the underlying soil and/or groundwater.

Sample Collection

In order to investigate the potential impacts from past discharges to the septic system, six soil borings (S4-1 through S4-6) were advanced in the area of the septic field. All soil samples were screened with a PID, however no readings above 0 ppm were observed. One soil sample per boring was collected immediately above the water table and submitted to a NYS-certified laboratory for analysis for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively.

Temporary monitoring wells were installed at the downgradient (east) side of the septic field at borings S4-1 and S4-5. The groundwater samples collected from S4-1 and S4-5 were submitted to a NYS-certified laboratory for analysis. The groundwater samples were analyzed for VOCs by USEPA method 8260. The groundwater sample from S4-1 was also analyzed for SVOCs by USEPA method 8270.

Analytical Results

The only analyte detected in any soil sample collected from Area #35 was the VOC methylene chloride at concentrations of 3.17 to 6.75 ppb, below the recommended soil cleanup objective of 100 ppb. Methylene chloride is a common laboratory contaminant not believed to be representative of actual site conditions. The soil and groundwater analytical results are summarized on Tables 20A and 20B, respectively.

The only analyte detected in the groundwater samples was the VOC toluene, detected at 1.42 ppb at S4-1, well below the regulatory guidance value of 5 ppb.

CONCLUSIONS/ RECOMMENDATIONS

A review of the analytical results revealed no VOCs or SVOCs representative of site conditions in the soil samples from Area #35. The only VOC detected in the groundwater was toluene at a concentration well below the regulatory guidance value. Based on a review of the analytical results, there are no exceedances of regulatory levels, as such, no further investigation is warranted.

AREA #36 BUILDING 10 (NYSDEC SPILL # 0000994)

BACKGROUND/PREVIOUS INVESTIGATIONS

On April 25, 2000, petroleum contaminated soil was detected during trenching activities in the vicinity of a former 5,000 gallon diesel UST and a pump island for a former 3,000 gallon gasoline UST next to Building #10. The USTs had been removed, but the associated piping had not been removed. A spill incident was reported to the NYSDEC and was assigned Spill #00-00994. The investigation and remediation of the Building # 10 area was documented in a report entitled "Closure Report Building #10 – Spill 00-00994" prepared by First Environment dated September 28, 2000. Contaminants from this area are not migrating off-site and the extent of VOCs in this area is limited. The approximate location of Area #36 is shown on Figure 2.

INVESTIGATION BY FIRST ENVIRONMENT

First Environment was retained to oversee the investigation and remediation activities associated with Spill #0000994, including soil excavation and disposal, post-excavation soil

sampling, well installation, groundwater sampling and closure reporting. On April 27 and 28, 2000, approximately 640 tons of impacted soil were excavated from the pump island area and stockpiled on site. Based on the results of post-excavation soil sampling, an additional 23 tons of soil was excavated on May 15, 2000. A total of 663 tons of soil excavated from the area adjacent to Building 10 (Area #36) were loaded off site on May 17, 2000 and disposed of at Soil Safe, Inc. on May 18, 2000.

Sample Collection

A total of seven post excavations samples (S-1 to S-7) were collected along the sidewalls and bottom of the excavation. Results identified that soil analyte concentrations remaining in the excavation are below the STAR TCLP Alternative Guidance Values, for all samples except the SVOCs detected at S-7 where the fuel conveyance piping extends from the Building 10 wall to the pump island. To address the elevated concentrations of SVOCs at S-7, additional soil excavation and post excavation sampling (S-8 and S-9) was conducted on May 15, 2000 in the vicinity of S-7. The analytical results from soil samples S-8 and S-9 verify that all remaining soil concentrations are below the applicable TAGM soil cleanup objectives as well as the STAR TCLP Alternative Guidance Values.

During the course of field activities, one monitoring well was identified adjacent to the former USTs, and one groundwater grab sample (GW-1) was collected and submitted for analysis for VOCs by USEPA method 8021, including MTBE and SVOCs by USEPA method 8270.

In order to evaluate groundwater quality in the area of the excavation, First Environment and Pappito Construction installed a groundwater sump that bridged the water table (FMW-18) in the former excavation. The sump was constructed by installing a section of 4-inch slotted PVC screen from the base of the excavation to ground surface, and then backfilling the excavation around the PVC screen. One permanent monitoring well (FMW-17) was installed approximately 35 feet down gradient (north) of the excavation. Based on sampling results from FMW-17, a second monitoring well (FMW-27) was installed approximately 40 feet downgradient (north) of FMW-17.

Monitoring well FMW-17 was sampled on June 14, August 3, and October 25, 2000. Monitoring well (sump) FMW-18 was sampled on June 14, and October 25, 2000. Monitoring well FMW-27 was sampled on December 1, 2000. Groundwater samples were submitted to a laboratory for

analysis for VOCs by USEPA method 8021, including MTBE or 8260, and SVOCs by USEPA method 8270. Sample locations are presented on Figure 6 - Detail Area A.

Analytical Results

Post excavation soil sample S-7 results revealed benzo(a)anthracene (83.6 ppb), chrysene (62.5 ppb), benzo(b)fluoranthene (66.6 ppb) and benzo(a)pyrene (53 ppb) in excess of the STARS guidance value of 0.04 ppb. Soil at S-7 was subsequently excavated and the area was resampled. No other exceedances of regulatory guidelines were identified in any soil samples, including post excavation samples collected after the removal of soil in the area of S-7. Soil sampling results from Area #36 area presented in Table 21A.

The analytical results for GW-1 reported no detectable concentrations of VOCs or SVOCs. Groundwater results for Area #36 are presented on Table 21B. The analytical results for the three rounds of groundwater sampling of FMW-17 identified benzene in excess of the regulatory guidance value of 1 ppb at concentrations ranging from 8.53 to 10.8 ppb. Exceedances of the regulatory guidance value of 5 ppb were identified in one or both of the first two rounds of sampling of FMW-17 for the VOCs ethylbenzene (42.7 and 40 ppb), isopropylbenzene (5.7 ppb) and n-propylbenzene (6.5 and 7.53 ppb). Naphthalene was the only SVOC identified in FMW-17 in excess of the regulatory guidance value of 10 ppb at concentrations of 10.7 and 14.1 ppb. An exceedance of the regulatory guideline of 10 ppb for MTBE was identified in FMW-17 during the October 25, 2000 sampling with a concentration of 16.7 ppb. No VOCs or SVOCs were identified in the groundwater at FMW-18 in excess of the regulatory guidelines.

The groundwater sample from FMW-27 identified one exceedance of the regulatory guideline of 1 ppb for the VOC benzene with a concentration of 4 ppb. No SVOCs or other VOCs were identified in excess of the regulatory guidelines at FMW-27.

CONCLUSIONS/RECOMMENDATIONS

Based on the results of the post excavation soil sampling (S-1 through S-9), all soil exceeding the TAGM and STARS cleanup objectives has been removed. No further action is required regarding the soil contamination previously identified in this area.

Based on a review of the groundwater sampling results, groundwater in the area downgradient of Area #36 appears to have been impacted slightly by the former tank operations. The sample

collected from the sump identified as FMW-18 within the former excavation identified no exceedances of the regulatory guidelines indicating the soil in the area of the former excavation is no longer a source of contamination to groundwater.

Contaminants from this area are not migrating off-site and the extent of VOCs in the groundwater in this area is limited. The groundwater analytical results for FMW-17 and FMW-27 indicate that although groundwater downgradient (north) of the former excavation area has been impacted by VOCs, concentrations attenuate with distance from the excavation. Groundwater samples from monitoring wells FMW-15 and FMW-16 and temporary monitoring wells GB-25, GB-26 and GB-27, located approximately 400 feet downgradient (north) of FMW-27, had no concentrations of the VOCs regulatory guidelines.

Based on the exceedances identified in groundwater at FMW-17 and FMW-27 continued monitoring of the groundwater is warranted to document the natural attenuation of VOCs in groundwater before requesting closure of NYSDEC Spill #0000994. These wells will be monitored as part of the Groundwater Monitoring Program, discussed below.

AREA #37 BUILDING #4 FORMER MOTOR POOL

BACKGROUND/PREVIOUS INVESTIGATIONS

Based on a review of historic documents provided by the Air National Guard (ANG), Building 4 was formerly used as a motor pool. Until recently, Building #4 was being used by the County Weights and Measures Department to verify oil tank gauges. Based on the uses of this area, it is possible that there had been past releases of petroleum and/or petroleum products. The approximate location of Area #37 is shown on Figure 2.

INVESTIGATION BY FIRST ENVIRONMENT

Building #4 was inspected to determine if past operations might have impacted the area. Several floor drains were identified, however no sludge was present in the cement-lined floor drains.

Sample Collection

During a field inspection by First Environment a subsurface concrete vault with two apparent vent pipes was identified adjacent to Building #4. The purpose of the vault is not known, but it is

suspected to be an oil-water separator. Standing water was observed within the vault, however no sheens or odors were observed associated with the water within the vault. A sample of the standing water from the vault was collected and sent to a NYS-certified laboratory and analyzed for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively.

A 3,000-gallon fuel oil UST and a waste oil UST adjacent to Building #4 and the above-referenced sump was investigated by collecting a soil and groundwater sample from boring T3. A NYS-certified laboratory analyzed the soil and groundwater samples collected from geoprobe boring T3 for VOCs and SVOCs by EPA methods 8021 and 8270, respectively. A soil sample was collected from geoprobe boring GB-43 and analyzed by a NYS-certified laboratory for VOCs and SVOCs by methods 8260 and 8270, respectively.

Analytical Results

The water sample from the vault adjacent to Building #4 had no detectable concentrations of VOCs or SVOCs. The soil sample collected from T3 had no detectable VOCs, and detections for only two SVOCs, fluoranthene (189 ppb) and pyrene (176 ppb), both below the STARS guidance value of 1,000 ppb. The soil sample from GB-43 had no detectable concentrations of VOCs or SVOCs. The groundwater sample from T3 had no detectable concentrations of VOCs or SVOCs. The soil and groundwater sampling results for Area #37 are summarized on Tables 22A and 22B, respectively.

CONCLUSIONS/RECOMMENDATIONS

Based on a review of the analytical results for the water sample from the vault, the soil sample from GB-43 and the soil and groundwater sample from T3, there have been no impacts to the soil or groundwater in the area of Building #4. No further investigation of this area is warranted. If the above referenced vault is no longer needed, it should be removed to eliminate the possibility of a future release.

AREA #38 WEIGHTS AND MEASURES BUILDING (NYSDEC SPILL #0008724)

BACKGROUND/PREVIOUS INVESTIGATIONS

The southern half of Building #4 is referred to as the County Weights and Measures Building. The Airport did not have documentation regarding the operations conducted in this area, therefore this area was evaluated to determine if past operations might have impacted the site.

An inspection of the Weights and Measures Building also identified a hydraulic lift. In addition a small storage building (Building #9) is located in this area and was referred to on historical drawings as the "Paint Oil and Dope Storage". The area north of the Weights and Measures Building was also once occupied by four 25,000-gallon aviation fuel USTs. These tanks were removed and closure was obtained as previously discussed as Area #18. Area #38 is southeast of the groundwater divide and as such groundwater in this area flows away from Rye Lake. The approximate location of Area #38 is presented on Figure 2.

INVESTIGATION BY FIRST ENVIRONMENT

Sample Collection

Area #38 was investigated by advancing seven borings (GB-40, GB-42 and GB-44 through GB-48) in the area adjacent to the Weights and Measures Building. All borings were field screened with a PID and soil samples were collected from the depth interval corresponding with the highest PID reading observed. Soil at GB-40 exhibited a strong petroleum odor and PID readings up to 1,300 ppm. Based on the petroleum identified at GB-40, the finding was reported to the NYSDEC and assigned Spill #0008724. A NYS-certified laboratory analyzed all soil samples and the ground water samples from GB-40 and GB-44 for VOCs and SVOCs by USEPA methods 8260 and 8270, respectively. The groundwater sample from GB-42 was only analyzed for VOCs by method 8260, because there was not sufficient volume to run an SVOC analysis.

Analytical Results

The results of the soil analysis from the seven borings identified no exceedances of the recommended soil cleanup levels for VOCs or SVOCs. The VOC xylenes (126 ppb), and the SVOCs naphthalene (612 ppb), 2-methylnaphthalene (2,580) and fluorene (73.1 ppb) were detected at concentrations below the recommended soil cleanup levels at GB-40. The VOCs ethylbenzene (18.9 ppb) and xylenes (43.9 ppb) were detected at concentrations below the recommended soil cleanup levels at GB-45.

Ethylbenzene at 159 ppb versus a guideline of 5 ppb and xylenes at 322 ppb versus a guideline of 5 ppb and the SVOC naphthalene at 153 ppb versus a guideline of 10 ppb at GB-40 were the only exceedances identified in groundwater at GB-40. The VOC benzene (0.31 ppb) was detected in groundwater at GB-42 well below the regulatory guideline. The results of the soil

and groundwater sample analyses from Area #38 are presented in Tables 23A and 23B, respectively.

CONCLUSIONS/RECOMMENDATIONS

The investigation has identified VOCs and SVOCs in groundwater above regulatory guidelines. This area is southeast of the groundwater divide and as such groundwater in this area flows away from Rye Lake. Based on the fact that none of the soil samples collected in this area exceeded the recommended soil cleanup criteria, no source of contamination to groundwater is evident. The concentrations identified in the groundwater at GB-40, and the fact that there were no concentrations in excess of regulatory guidelines in GB-42 or GB-44, demonstrates that the extent of impacted groundwater exceeding the regulatory guidelines is limited.

In order to verify the extent of VOCs and SVOCs in groundwater, additional investigation of the groundwater in this area is warranted. The proposed groundwater investigation should include the installation and sampling of one monitoring well in the area of GB-40, and two monitoring wells hydraulically downgradient (north) of GB-40 based on the results of the December 5, 2000 groundwater level measurement event. Upon receipt of the results, a determination will be made as to further action, if any, required to close this spill case.

UNDERGROUND STORAGE TANK AREAS

BACKGROUND/PREVIOUS INVESTIGATIONS

According to Airport personnel and historical site records, 79 locations on the Airport property were identified where USTs are currently or have formerly existed. Available details regarding all present and former USTs on the Airport property are summarized in Table 24. The potential impacts of spill cases related to 42 of the 79 tank locations were identified and discussed in the Draft Groundwater Report. Note that many of the 42 individual UST locations identified in the Draft Groundwater Report were discussed collectively as one Study Area, such as the 8 tanks at the Airport Gas Station and the 11 USTs in the Fuel Farm area. Of the remaining 37 UST locations not discussed in detail in the Draft Groundwater Report, 29 were sites where a tank upgrade or permanent removal has occurred within the last 10 years and no release has ever been reported, and 8 sites contain tanks which were originally installed not more than 10 years ago.

In April 2000, Airport personnel reported that no closure documentation or post-excavation sampling data was available for any of the 29 tank sites where the tanks were either upgraded or removed and did not have a reported spill. According to the Airport, the closure documentation/data either could not be located or could not be retrieved from prior Airport tenants whose responsibility it was to upgrade their own tanks. Two additional UST locations were identified during the field investigation, for which closure documentation/data could not be located. Without documentation to confirm clean closures, limited investigation was conducted at each of the 31 tank locations to verify that a release has not occurred and to confirm that there has not been an adverse impact to the soil and/or groundwater. The 31 UST locations investigated are identified as T1-T31 on Figure 2. The status of the last two USTs, T-30 and T-31 was not known at the time of the investigation, however their locations were determined based on the presence of manholes and/or vent pipes.

INVESTIGATION BY FIRST ENVIRONMENT

First Environment investigated all 31 tank areas between August 22 and October 25, 2000 by advancing geoprobe soil borings to determine if the soil in the vicinity of the tank area had been adversely impacted. All soil samples were screened with a PID field instrument. One soil sample per boring, that exhibited the highest PID reading was submitted to a NYS-certified laboratory for analysis. All soil samples were analyzed for VOCs and SVOCs. The particular analytical methods and additional analysis conducted on soil samples were based on available information regarding the USTs. The sample analysis conducted at each location is summarized in Table 24.

All soil borings were advanced to either refusal or the water table, whichever was encountered first. At locations where groundwater was encountered, a temporary monitoring well was installed to allow for the collection of a groundwater sample. The temporary monitoring well locations were sometimes restricted by access and the presence of utilities, but were generally located down gradient from the former UST, consistent with the direction of groundwater flow in each area as had been reported in the Draft Groundwater Report. All groundwater samples were analyzed for VOCs and SVOCs. The particular analytical methods and additional analysis conducted on groundwater samples were based on available information regarding the USTs. The locations where groundwater samples were collected and the particular analytical methods used are summarized in Table 24.

The soil and groundwater analytical results for the UST investigations are summarized in Tables 25A and 25B. Tank areas where there were no exceedances above regulatory guidelines are not discussed in detail. However, tank areas that had analytical detections that exceeded regulatory guidelines and/or criteria are discussed below, with recommendations for additional action, as warranted.

T1-AIRFIELD BLOCKHOUSE (NYSDEC SPILL #0009172)

During the investigation of T-1, petroleum staining and PID readings up to 370 ppm were observed in soil from approximately a depth of 5.5 to 9.5 feet. Floating petroleum product was observed in the temporary monitoring well installed at T-1. The occurrence of petroleum at T-1 was reported to the NYSDEC and assigned Spill #0009172. The approximate location of T-1 is presented on Figure 2. This area is southeast of the groundwater divide and as such the groundwater in this area flows away from Rye Lake.

Analytical Results

The soil sample collected at T1 from a depth of 7.5 to 8 foot identified the VOCs ethylbenzene and xylenes in excess of the regulatory guidance value of 1,000 ppb with concentrations of 960 and 1,040 ppb respectively. The soil sample collected at T1 from a depth of 5 to 5.5 feet detected no exceedances of the regulatory guidance values for VOCs. Exceedances were identified in one or both soil samples for SVOCs, including acenaphthene, fluorene, phenanthrene, anthracene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene.

The groundwater sample collected from T1 detected VOCs in excess of guidance values including benzene (55.3 ppb versus a guideline of 1 ppb), ethylbenzene (132 ppb versus a guideline of 5 ppb) and total xylenes (436 ppb versus a regulatory guideline of 5 ppb), and naphthalene (1,110 versus a regulatory guideline of 10 ppb). The groundwater sample from T1 detected SVOCs in excess of the regulatory guidance values, including acenaphthene, fluorene, phenanthrene, fluoranthene and pyrene. The groundwater sample from monitoring well FMW-38 identified VOCs and SVOCs above regulatory guidelines. A sample of floating petroleum product collected from the temporary well point was submitted for fingerprint analysis to identify the type of product present. The fingerprint analysis stated the "sample resembles but does not exactly match #2 fuel oil".

Conclusions/Recommendations

Based on the presence of stained soil, floating petroleum product and soil and groundwater analyte concentrations above regulatory standards, remediation of this area is warranted. It is suspected that this material is in fact diesel fuel as diesel fuel and #2 fuel oil are nearly identical, and diesel fuel was reportedly contained in the former and current USTs at this location. Prior to remediation, additional soil borings are recommended to better define the extent of petroleum in the soil. Based on additional investigation, the extent of soil warranting remediation will be identified. After removal of petroleum contaminated soil, additional monitoring wells should be installed to monitor the effectiveness of the remediation. These wells would then be included in the Groundwater Monitoring Program.

T4 BUILDING 10

Analytical Results

No analytes in excess of regulatory guidelines were detected in the soil sample collected at T4. Benzene, a VOC, was detected in the groundwater sample collected at T4 at a concentration (3.09 ppb) only slightly above the TOG regulatory guideline (1 ppb). No SVOCs were detected in either the soil or groundwater samples from T4.

Conclusions/Recommendations

Since no exceedances were detected in the soil sample from this location, it appears that the benzene concentration is either a remnant of a previous release, or it may be associated with the contaminated soil identified in the adjacent Area #36. The remediation of Area #36 is discussed in previous sections.

The benzene concentration identified in groundwater at T4 does not warrant any further remediation, and should be addressed through natural attenuation and continued groundwater monitoring.

T5 & T6 BUILDING 10

The investigation of locations T5 and T6 was conducted in conjunction with the investigation of Spill #000094 presented in the "Closure Report Building #10 – Spill #00-00994" prepared by First Environment, dated September 28, 2000. There are no samples specifically identified as T5 and T6, rather this area was investigated through the collection of 10 soil samples (S-1 through S-9 plus FMW-17) and three groundwater sampling locations (FMW-17, FMW-18 and

GW-1). A discussion of the investigation and remediation of this area is presented in the section for Area #36.

T13 HANGER

Analytical Results

The soil sample collected at T13 from 8 to 8.5 feet identified SVOCs in excess of the regulatory guidance values; specifically, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd) pyrene and benzo(g,h,i)perylene. No VOCs were detected in the soil sample collected from T13. A groundwater sample could not be collected from this area due to the shallow depth to bedrock and the lack of water.

Conclusions/Recommendations

The SVOCs identified in the soil at T13 are consistent with the constituents of asphalt. Because the tank in this location has historically contained fuel oil, had there been a spill or release from this area, one would expect to see elevated concentrations of fuel oil constituents, SVOCs, such as naphthalene, phenanthrene and fluorene and VOCs. The absence of these particular SVOCs and VOCs suggests that there may have been asphalt in the soil sample. Neither VOCs nor SVOCs were detected in the groundwater collected from nearby monitoring well FMW-39. No additional investigation of this area is warranted.

T14, T15 AND T16 HANGER C-2

Analytical Results

The soil sample collected at T14 from 3.5 to 4 feet identified SVOCs in excess of the regulatory guidance values; specifically, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd) pyrene and benzo(g,h,i)perylene. The soil sample collected at T15 from 5 to 5.5 feet identified SVOCs; specifically benzo(a)anthracene and benzo(b)fluoranthene in excess of the regulatory guidance values. No SVOCs were detected at T-16. No VOCs were detected at any of the locations, T14, T15 or T16. Groundwater was not encountered at any of the three boring locations, therefore no groundwater samples were collected from this area.

Conclusions/Recommendations

The SVOCs identified in the soil at T14 are consistent with the constituents of asphalt. Because the tanks in this location historically contained fuel oil, had there been a spill or release from this area, one would expect to see elevated concentrations of fuel oil constituents, such as naphthalene, phenanthrene and fluorene and VOCs. The absence of these constituents suggests that there may have been asphalt in the soil sample collected from T14. Neither VOCs nor SVOCs were detected in the groundwater collected from nearby monitoring well FMW-39. No additional investigation of this area is warranted.

T20 HANGER D

Analytical Results

Neither VOCs nor SVOCs were detected in the soil sample collected at T20 from 7.5 to 8 feet. This suggests that there is no contaminant source in this area. The groundwater sample collected from this location identified concentrations of the VOCs sec-butylbenzene (5.75 ppb) and n-butylbenzene (5.07 ppb) at levels only slightly exceeding the regulatory guideline of 5 ppb. The slight exceedances observed in the groundwater sample may be the result of sample turbidity associated with temporary well points. Other VOCs were detected in the groundwater sample, but below the regulatory applicable guideline of 5 ppb. No SVOCs were detected in the groundwater sample from T20.

Conclusions/Recommendations

Based on the fact that no analytes were detected in the soil sample from T20, and the slight exceedances detected in groundwater may be the result of sample turbidity from the temporary well point, no further investigation of the T20 area is warranted.

T24 HANGER G

Analytical Results

The soil sample collected from T24 from 5 to 5.5 feet identified SVOCs in excess of regulatory guidance value (0.04 ppb); specifically, benzo(a)anthracene(126 ppb), chrysene(103 ppb), benzo(b)fluoranthene (110 ppb), and benzo(a)pyrene (75.1 ppb). The concentrations detected, although exceeding the regulatory guidance value are extremely low and in some cases below the analytical method detection limit. No VOCs were detected in the soil sample from T24. Groundwater was not encountered at T24.

Conclusions/Recommendations

Based on the low concentrations of SVOCs detected at T24, and the fact that groundwater was not encountered at this location, it is unlikely that groundwater could be impacted by the minor concentrations of SVOCs detected, therefore no additional investigation of this area is warranted.

GROUNDWATER MONITORING PROGRAM

Consistent with the environmental management system (EMS) to be developed by the Airport, and as a matter of good environmental policy, the following Groundwater Monitoring Program, consisting of regular monitoring of groundwater quality and groundwater flow direction, will be implemented. The EMS is a dynamic system that will allow future groundwater monitoring to be evaluated so as to ensure the continuing effectiveness of the Groundwater Monitoring Program. The Groundwater Monitoring Program has been developed to evaluate localized areas on site where chemical constituents have been detected in groundwater above regulatory guidelines during previous investigations (regulatory control wells) as well as to monitor the perimeter of the site to ensure that there is no adverse impact to Rye Lake or to the surrounding environment (sentinel wells). This Groundwater Monitoring Program is being implemented independent of and in addition to ongoing programs in effect at several areas throughout the Study Area, including the Harrison Subresidency and the Tank Farm.

This Groundwater Monitoring Program was developed based on the results of the site investigation activities, both intrusive and non-intrusive, conducted at the Airport over the past several years by First Environment and other consultants. The Groundwater Monitoring Program is intended to monitor areas on site where chemical constituents in groundwater have been identified above regulatory guidelines, as well as to monitor groundwater quality at the boundaries of the Study Area (sentinel wells) to verify that past, current and future activities at the Airport are not having an adverse impact on groundwater quality in the surrounding areas. Several areas of the Airport where no environmental impacts have been identified have nonetheless been included in the Groundwater Monitoring Program to provide general site coverage and to eliminate potential data gaps.

The Groundwater Monitoring Program will initially consist of the sampling and the collection of water levels from 46 monitoring wells located throughout the Study Area. The locations of the 46 monitoring wells to be sampled are presented on Figure 9. Table 27 lists the rationale for each monitoring well included in the Groundwater Monitoring Program. The 46 wells consist of 22 sentinel wells to monitor the boundaries of the Study Area, and 24 regulatory control wells to monitor groundwater quality and/or natural attenuation in areas where chemical constituents were detected in soil and/or groundwater above regulatory standards. All 46 monitoring wells

will initially be sampled and measured for groundwater elevations on a semi-annual (twice a year) basis.

A detailed Work Plan, outlining the activities to be conducted pursuant to this Groundwater Monitoring Program must be prepared by the Consultant retained by the Airport to implement this program. The Work Plan must be reviewed and approved by the Airport prior to implementation. All required monitoring well purging, sampling and field measurement activities to be conducted in conjunction with the Groundwater Monitoring Program must be completed in accordance with a Quality Assurance/Quality Control Plan to be prepared by the Consultant conducting the Groundwater Monitoring Program. The Quality Assurance/Quality Control Plan must be approved by the Airport prior to the implementation of the Groundwater Monitoring Program. A New York State certified laboratory must perform all laboratory analyses.

During the initial round of groundwater sampling, and each successive semi-annual round, all groundwater samples will be analyzed for the following parameters: Target Compound List (TCL) volatile organic compounds (VOCs) consistent with USEPA Method 8260, and ethylene glycol and propylene glycol in accordance with USEPA Method 8015M. During the initial round and each successive annual round of groundwater sampling, all groundwater samples will also be analyzed for TCL semi-volatile organic compounds (SVOCs) consistent with USEPA Method 8270.

Groundwater elevation measurements will be collected from all monitoring wells shown on Figure 2 during each sampling event. Groundwater elevation measurements will be collected synoptically, specifically on the same day to ensure that the data for each round is comparable. Groundwater elevations will be measured to the nearest 0.01 foot from the top of the inner well casing. The groundwater elevation data will be used to prepare groundwater elevation contour maps, one for the shallow aquifer and one for the bedrock aquifer, identifying the approximate groundwater flow direction and groundwater divide.

Letter reports shall be prepared semi-annually and submitted for each groundwater monitoring event. The reports shall include a summary of field activities, all data including field parameters and any significant observations, together with recommendations for addressing constituents of concern that are identified above action levels, as necessary. Analytical data for all sampling events will be tabulated in each report to document analyte concentration trends over time. The

groundwater monitoring reports shall also include groundwater elevation contour maps for the overburden and bedrock aquifers as previously described. All data shall be provided electronically as well as in hard copy.

Based on a review of semi-annual results of the groundwater monitoring program, and ongoing activities at the Airport, monitoring wells may be added or deleted from the Groundwater Monitoring Program in order to most effectively and efficiently monitor site conditions. Based on the results of ongoing site investigation activities at the Airport, the installation of additional monitoring wells is proposed to further evaluate localized areas of concern. Based on the results of the additional investigations, the additional monitoring wells will be evaluated for inclusion in this monitoring program. The evaluation for inclusion in the monitoring program will be based on whether the additional wells are required to evaluate the occurrence of natural attenuation and/or are needed as additional sentinel wells near Study Area boundaries.

At the completion of the first year of groundwater monitoring, and each sampling event thereafter, analytical results obtained from designated regulatory control wells (not sentinel monitoring wells) will be evaluated to determine the need for future monitoring at each regulatory control well location. The criterion for cessation of sampling of a particular regulatory control well(s) will be two successive rounds of sampling for VOCs and glycols, including one round of SVOCs, whereby all constituents are found to be below the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series 1.1.1 (TOGs) guidance values for GA waters. The analyte suite for each regulatory control monitoring well may be reduced after the first year of sampling to only target the analyte group or groups (VOCs, glycols or SVOCs) that exceed the TOGs guidance values. Sampling of a particular regulatory control well(s) may also be terminated if the NYSDEC indicates that sampling is no longer required. In the event that no two successive sampling rounds indicate analytes below TOGs guidance values, but a decreasing trend is evident, the alternate method of evaluating analytical results for cessation of monitoring shall be a Mann-Whitney U-Test analysis. If the Mann-Whitney U-Test analysis statistically verifies a decreasing concentration trend, then a recommendation will be made to cease monitoring of that particular regulatory control well(s).

Monitoring wells removed from the Groundwater Monitoring Program may be retained for groundwater elevation measurements, if needed, to calculate groundwater flow direction, or decommissioned if no longer needed as a matter of responsible environmental policy.

After two years of groundwater monitoring, sentinel wells will be evaluated for cessation of sampling based on analytical results, groundwater flow direction and Airport activities that may impact groundwater quality in the area upgradient of each sentinel well. Based on the results of two years of sentinel monitoring well analytical data, sentinel wells may be removed from the sampling program as appropriate to reduce the scope of the Groundwater Monitoring Program as long as the remaining sentinel wells remain effective in the monitoring of groundwater migration from the Study Area. Sentinel wells will only be removed from the groundwater monitoring program when the last two successive sampling rounds identify no analytes above TOGs levels and no upgradient groundwater contaminant sources are identified based on groundwater flow direction and historic or current site activities.

CONCLUSION

There is no pervasive groundwater plume or groundwater pollution threat to Rye Lake or the surrounding environment emanating from the Airport. Specific localized areas of environmental concern have been identified; many of these have been addressed and as described summarily above, the others are currently in the process of being addressed. In addition, a groundwater monitoring program has been developed and will be implemented to monitor these localized areas on site where chemical constituents have been detected in groundwater above regulatory guidelines (regulatory control wells) as well as to monitor the perimeter of the site to ensure that there is no adverse impact to Rye Lake or the surrounding environment (sentinel wells). This proactive program will ensure the County's ability to timely respond to any potential contamination threat from the Airport to the waters of Rye Lake or the surrounding environment on an ongoing basis.

Notes for the Tables:

For ease of review, only sample analytes detected on site during the investigation by First Environment are presented on the attached Tables. Analytes detected elsewhere on site but not in the listed sample are designated "ND". Analytes detected elsewhere on site, but not analyzed for at the listed sample are designated "--". For areas where no samples were analyzed for PCBs, pesticides, alcohols, cyanide or metals, the last page of the table listing only those parameters, was deleted.

Acronyms/Symbols:

--	Sample not analyzed for listed analyte
-	No applicable regulatory criteria or guidance value for this analyte
B	Analyte detected in sample and method blank indicating laboratory contamination
DEP-MW	City of New York Department of Environmental Protection Monitoring Well
DPW-MW	Department of Public Works Monitoring Well
FB	Field Blank
FMW	First Environment Monitoring Well
FSG	Stream Gauge
GB	Geoprobe boring
GEMW	General Electric Monitoring Well
J	Analyte detected in sample, but below method detection limit, value is estimated
NA	Not Applicable
ND	Not Detected
NM	Not Measured
PMMW	Phillip Morris Monitoring Well
ppb	part per billion
PVC	Polyvinyl chloride well casing
TAGM	Technical and Administrative Guidance Memorandum
TB	Trip Blank
TOGs	Technical and Operational Guidance Series
WW	Water well (supply well)
XDD MW	Xpert Design and Diagnostics Monitoring Well
	Analyte exceeds applicable regulatory guideline or cleanup objective

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS DECEMBER 5, 2000
WESTCHESTER COUNTY AIRPORT
WESTCHESTER, NEW YORK

MONITORING WELL LOCATION	DATE	TIME	PVC CASING STICK UP (FEET)	DEPTH TO GROUNDWATER (FEET)	TOTAL DEPTH (FEET)	PVC CASING ELEVATION	GROUNDWATER ELEVATION
BBL-1	12/5/00	13:50	0.25	8.97	18.00	412.73	403.76
DEPMW-1	12/5/00	10:00	2.10	10.38	20.70	370.73	360.35
DEPMW-3	12/5/00	10:15	1.30	5.01	21.30	361.37	356.36
DPWMW-1	12/5/00	11:10	-0.10	7.10	14.00	434.93	427.83
DPWMW-2	12/5/00	11:19	-0.05	6.90	12.70	435.02	428.12
DPWMW-3	12/5/00	11:30	-0.20	7.66	14.40	435.23	427.57
FMW-1R	12/5/00	11:30	2.12	10.91	13.02	440.9	429.99
FMW-2R	12/5/00	11:20	-0.55	4.68	NM	398.6	393.92
FMW-3	12/5/00	10:45	0.50	8.77	NM	428.42	419.65
FMW-4	12/5/00	9:50	0.50	3.93	NM	366.62	362.69
FMW-6	12/5/00	8:30	-0.15	3.00	11.69	424.75	421.75
FMW-7	12/5/00	8:40	-0.13	3.21	12.19	423.72	420.51
FMW-8	12/5/00	12:41	-0.30	1.85	10.85	423.4	421.55
FMW-9	12/5/00	12:52	-0.25	6.10	13.30	434.54	428.44
FMW-11	12/5/00	12:50	-0.35	1.13	NM	424.36	423.23
FMW-12	12/5/00	9:20	-0.25	14.00	19.30	435.45	421.45
FMW-13	12/5/00	11:15	2.43	6.71	14.31	427.35	420.64
FMW-14	12/5/00	9:30	2.91	6.88	15.69	404.69	397.81
FMW-15	12/5/00	9:05	2.87	9.36	15.02	415.29	405.93
FMW-16	12/5/00	8:55	2.77	5.30	15.82	416.2	410.90
FMW-17	12/5/00	12:21	-0.20	2.70	11.30	422.63	419.93
FMW-19	12/5/00	13:40	-0.42	2.22	7.56	423.42	421.20
FMW-20	12/5/00	13:30	-0.54	4.28	12.41	426.87	422.59
FMW-21	12/5/00	12:50	-0.34	4.97	7.68	426.53	421.56
FMW-22	12/5/00	12:30	-0.47	5.56	14.78	423.11	417.55
FMW-23	12/5/00	14:00	-0.30	1.01	42.90	423.72	422.71
FMW-24	12/5/00	10:10	0.50	3.88	NM	394.21	390.33
FMW-25	12/5/00	NR	3.10	5.84	NM	375.35	369.51
FMW-26	12/5/00	10:30	2.70	9.40	NM	404.79	395.39
FMW-27	12/5/00	12:14	-0.20	2.70	11.30	422.14	419.44
FMW-28	12/5/00	13:20	-0.43	3.75	12.89	427.07	423.32
FMW-29	12/5/00	13:10	-0.39	4.47	10.74	426.76	422.29
FMW-30	12/5/00	12:17	-0.23	4.91	12.83	422.64	417.73

**TABLE 1
GROUNDWATER LEVEL MEASUREMENTS DECEMBER 5, 2000
WESTCHESTER COUNTY AIRPORT
WESTCHESTER, NEW YORK**

MONITORING WELL LOCATION	DATE	TIME	PVC CASING STICK UP (FEET)	DEPTH TO GROUNDWATER (FEET)	TOTAL DEPTH (FEET)	PVC CASING ELEVATION	GROUNDWATER ELEVATION
FMW-31	12/5/00	10:30	-0.50	12.93	21.60	428.37	415.44
FMW-32	12/5/00	10:12	2.50	17.50	40.50	430.78	413.28
FMW-33	12/5/00	9:00	-0.20	10.86	13.70	433.62	422.76
FMW-34	12/5/00	9:47	-0.35	17.55	29.35	440.01	422.46
FMW-35	12/5/00	10:50	-0.30	18.35	58.00	440.53	422.18
FMW-36	12/5/00	10:35	-0.20	30.65	52.20	435.42	404.77
FMW-37	12/5/00	13:07	-0.50	7.22	13.60	425.71	418.49
FMW-38	12/5/00	13:28	3.00	11.52	14.40	PENDING	PENDING
FMW-39	12/5/00	9:15	0.50	4.65	NM	388.77	384.12
FMW-40	12/5/00	9:57	3.10	8.00	12.70	428.93	420.93
FSG-1*	12/5/00	9:35	NA	4.90	NA	365.34	360.44
FSG-2*	12/5/00	10:00	NA	3.90	NA	368.56	364.66
GEMW-1	12/5/00	11:50	1.65	9.58	18.20	393.46	383.88
GEMW-2	12/5/00	11:55	1.50	14.10	22.60	396.95	382.85
SUPPLY WELL	NM	NM	NM	NM	NM	NM	NM
PMMW-1	12/5/00	13:15	-0.40	12.75	17.20	409.45	396.70
XDD MW-10	12/5/00	13:25	-0.45	19.28	39.20	407.53	388.25
XDD MW-11	12/5/00	13:30	-0.25	19.67	55.00	407.65	387.98
WW-1	NM	NM	NM	NM	NM	NM	NM

Notes:

PENDING- Pending receipt of survey data

NM-Not measured

NA-Not Applicable

Groundwater elevation at FMW-36 does not appear to have equilibrated to atmospheric pressure, not used in bedrock groundwater flow evaluation

SUPPLY WELL and WW-1 were not accessible at time of water level measurements

All measurements from top of inner (pvc) casing

* FSG-1 and FSG-2 are stream gauges therefore the value presented as groundwater elevation is actually surface water elevation

Table 2
HYDRAULIC CONDUCTIVITY TESTING RESULTS
Westchester County Airport
Westchester, New York

Well Identification	Hydraulic Conductivity (cm/sec)	Hydraulic Conductivity (ft/day)	Type of Test Falling Head or Rising Head
DEP-MW-1	7.79E-04	2.21	Rising Head
	4.88E-04	1.38	Falling Head
DEP-MW-3	1.76E-03	4.98	Rising Head*
	1.09E-04	0.31	Falling Head
FMW-1R	2.66E-05	0.08	Rising Head
FMW-3	2.94E-03	8.34	Rising Head
FMW-4	5.93E-05	0.17	Rising Head
FMW-7	9.07E-04	2.57	Rising Head
FMW-9	1.41E-04	0.40	Rising Head
FMW-10	2.19E-05	0.06	Rising Head
FMW-11	2.02E-05	0.06	Rising Head
FMW-12	3.08E-04	0.87	Rising Head
FMW-13	2.65E-03	7.50	Rising Head
FMW-14	2.73E-04	0.77	Rising Head
FMW-15	4.66E-04	1.32	Rising Head
FMW-16	3.11E-05	0.09	Rising Head
FMW-24	2.15E-05	0.06	Rising Head
FMW-25	6.21E-04	1.76	Rising Head
FMW-26	3.66E-04	1.04	Rising Head
FMW-31	5.98E-05	0.17	Rising Head
FMW-34	1.28E-03	3.62	Rising Head
FMW-38	6.69E-05	0.19	Rising Head
FMW-39	1.04E-03	2.95	Rising Head

* Rising head test at DEP-MW-3 did not appear to adequately stress aquifer, Falling head test is believed to be more representative of aquifer conditions

Table 3A
 Summary of Soil Sampling Results
 Area 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-6 9.5'-10' 3011-009 6/14/2000 Soil			FB-1 Field Blank (Aq.) 3311-012 6/1/2000 Aqueous		
		Conc	Q	MDL	Conc	Q	MDL
VOCs (ppb)							
Total Targeted Compounds		ND			ND		
1,2,4-Trichlorobenzene	3400	ND		0.39	--		--
1,3,5-Trimethylbenzene	100	--		--	ND		0.34
2-Butanone(MEK)	300	ND		0.73	--		--
4-Isopropyltoluene	100	--		--	ND		0.31
4-Methyl-2-pentanone (MIBK)	1000	ND		0.42	--		--
Acetone	200	ND		1.64	--		--
Benzene	60	ND		0.45	--		--
Chlorobenzene	1700	ND		0.20	--		--
Chloroform	300	ND		0.39	--		--
cis-1,2-Dichloroethene	~	ND		0.39	--		--
Ethylbenzene	5500	ND		0.37	ND		0.37
isopropylbenzene	100	--		--	ND		0.37
Methylene Chloride	100	ND		1.94	--		--
Methyl-t-Butyl Ether (MTBE)	~	--		--	--		--
Naphthalene	200	--		--	ND		0.34
n-Butylbenzene	100	--		--	ND		0.34
n-propylbenzene	100	--		--	ND		0.31
sec-butylbenzene	100	--		--	ND		0.37
tert-Butylbenzene	100	--		--	ND		0.34
Tetrachloroethene	1400	ND		0.31	--		--
Total Xylenes	1200	ND		1.16	ND		1.16
Toulene	1500	ND		0.51	ND		0.51
trichloroethene	~	ND		0.34	--		--
Vinyl Chloride	200	ND		0.42	--		--
Total Non-Targeted Peaks		ND			ND		

Table 3A
 Summary of Soil Sampling Results
 Area 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-6 9.5'-10' 3011-009 6/14/2000 Soil			FB-1 Field Blank (Aq.) 3311-012 6/1/2000 Aqueous		
		Conc	Q	MDL	Conc	Q	MDL
SVOCs (ppb)							
Total Targeted Compounds		--			608		
2-Methylnaphthalene	36400	--	--		ND	113	
Acenaphthene	50000	--	--		ND	113	
Acenaphthylene	41000	--	--		ND	113	
Anthracene	50000	--	--		ND	113	
Benzo[a]anthracene	224	--	--		ND	113	
Benzo[a]pyrene	61	--	--		ND	113	
Benzo[b]fluoranthene	1100	--	--		ND	113	
Benzo[g,h,i]perylene	50000	--	--		ND	113	
Benzo[k]fluoranthene	1100	--	--		ND	113	
bis(2-Ethylhexyl)phthalate	50000	--	--		608	113	
Carbazole	~	--	--		ND	113	
Chrysene	400	--	--		ND	113	
Dibenz[a,h]anthracene	14	--	--		ND	113	
Dibenzofuran	6200	--	--		ND	113	
Diethylphthalate	7100	--	--		ND	113	
Di-n-octylphthalate	8100	--	--		ND	113	
Fluoranthene	50000	--	--		ND	113	
Fluorene	50000	--	--		ND	113	
Indeno[1,2,3-cd]pyrene	3200	--	--		ND	113	
Naphthalene	13000	--	--		ND	113	
Phenanthrene	50000	--	--		ND	113	
Pyrene	50000	--	--		ND	113	
Total Non-Targeted Peaks:		--	--		ND		

Table 3A
 Summary of Soil Sampling Results
 Area 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-6 9.5'-10' 3011-009 6/14/2000 Soil	FB-1 Field Blank (Aq.) 3311-012 6/1/2000 Aqueous
PCB's			
Total Targeted Compounds	1000	--	--
Pesticides			
Total Targeted Compounds	0.01	--	--
Alcohols			
ethylene glycol	-	--	--
propylene glycol	-	--	--
CYANIDE			
Cyanide, Total	-	--	--
METALS (ppb)			
Aluminum	SB	--	--
Antimony	SB	--	--
Arsenic	7.5 or SB	--	--
Barium	300 or SB	--	--
Beryllium	0.16 or SB	--	--
Cadmium	1 or SB	--	--
Calcium	SB	--	--
Chromium	10 or SB	--	--
Cobalt	30 or SB	--	--
Copper	25 or SB	--	--
Iron	2000 or SB	--	--
Lead	SB	--	--
Magnesium	SB	--	--
Manganese	SB	--	--
Mercury	0.1	--	--
Nickel	13 or SB	--	--
Potassium	SB	--	--
Selenium	2 or SB	--	--
Silver	SB	--	--
Sodium	SB	--	--
Vanadium	150 or SB	--	--
Zinc	20 or SB	--	--

Table 3B
 Summary of Groundwater Sampling Results
 Area 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-6W 3311-010 6/2/2000 Aqueous			FB-1 Field Blank (Aq.) 3311-012 6/1/2000 Aqueous			TB-1 Trip Blank (Aq.) 3311-013 6/1/2000 Aqueous		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		3.95			ND			ND		
	5	ND	0.39	--	--	--	--	--	--	--
	5	--	--	ND	0.34	ND	0.34	ND	0.34	ND
	50	ND	0.73	--	--	--	--	--	--	--
	5	--	--	ND	0.31	ND	0.31	ND	0.31	ND
	--	ND	0.42	--	--	--	--	--	--	--
	50	3.95	1.64	--	--	--	--	--	--	--
	1	ND	0.45	--	--	--	--	--	--	--
	5	ND	0.20	--	--	--	--	--	--	--
	7	ND	0.39	--	--	--	--	--	--	--
	5	ND	0.39	--	--	--	--	--	--	--
	5	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND
		--	--	ND	0.37	ND	0.37	ND	0.37	ND
	5	ND	1.94	--	--	--	--	--	--	--
	10	--	--	--	--	--	--	--	--	--
	10	--	--	ND	0.34	ND	0.34	ND	0.34	ND
	5	--	--	ND	0.34	ND	0.34	ND	0.34	ND
	5	--	--	ND	0.31	ND	0.31	ND	0.31	ND
	5	--	--	ND	0.37	ND	0.37	ND	0.37	ND
	5	--	--	ND	0.34	ND	0.34	ND	0.34	ND
	5	ND	0.31	--	--	--	--	--	--	--
	5	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND
	5	ND	0.51	ND	0.51	ND	0.51	ND	0.51	ND
	5	ND	0.34	--	--	--	--	--	--	--
	2	ND	0.42	--	--	--	--	--	--	--
Total Non-Targeted Peaks		ND			ND			ND		

Table 3B
 Summary of Groundwater Sampling Results
 Area 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-6W 3311-010 6/2/2000 Aqueous			FB-1 Field Blank (Aq.) 3311-012 6/1/2000 Aqueous			TB-1 Trip Blank (Aq.) 3311-013 6/1/2000 Aqueous		
SVOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND			608			--		
2-Methylnaphthalene		--	ND	113	ND	113	113	--	--	--
Acenaphthene		20	ND	113	ND	113	113	--	--	--
Acenaphthylene		--	ND	113	ND	113	113	--	--	--
Anthracene		50	ND	113	ND	113	113	--	--	--
Benzo[a]anthracene		0.002	ND	113	ND	113	113	--	--	--
Benzo[a]pyrene		ND	ND	113	ND	113	113	--	--	--
Benzo[b]fluoranthene		0.002	ND	113	ND	113	113	--	--	--
Benzo[g,h,i]perylene		--	ND	113	ND	113	113	--	--	--
Benzo[k]fluoranthene		0.002	ND	113	ND	113	113	--	--	--
bis(2-Ethylhexyl)phthalate		5	ND	113	608	113	113	--	--	--
Carbazole		--	ND	113	ND	113	113	--	--	--
Chrysene		0.002	ND	113	ND	113	113	--	--	--
Dibenz[a,h]anthracene		--	ND	113	ND	113	113	--	--	--
Dibenzofuran		--	ND	113	ND	113	113	--	--	--
Diethylphthalate		50	ND	113	ND	113	113	--	--	--
Di-n-octylphthalate		50	ND	113	ND	113	113	--	--	--
Fluoranthene		50	ND	113	ND	113	113	--	--	--
Fluorene		50	ND	113	ND	113	113	--	--	--
Indeno[1,2,3-cd]pyrene		0.002	ND	113	ND	113	113	--	--	--
Naphthalene		10	ND	113	ND	113	113	--	--	--
Phenanthrene		50	ND	113	ND	113	113	--	--	--
Pyrene		50	ND	113	ND	113	113	--	--	--
Total Non-Targeted Peaks:		ND			ND			--		

Table 3B
 Summary of Groundwater Sampling Results
 Area 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-6W 3311-010 6/2/2000 Aqueous	FB-1 Field Blank (Aq.) 3311-012 6/1/2000 Aqueous	TB-1 Trip Blank (Aq.) 3311-013 6/1/2000 Aqueous
PCB's		-- --	-- --	-- --
Total Targeted Compounds	0.09*			
Pesticides		-- --	-- --	-- --
Total Targeted Compounds	0.01			
Alcohols				
ethylene glycol	50	-- --	-- --	-- --
propylene glycol	-	-- --	-- --	-- --
CYANIDE				
Cyanide, Total	200	-- --	-- --	-- --
METALS (ppb)				
Aluminum	~	-- --	-- --	-- --
Antimony	3	-- --	-- --	-- --
Arsenic	25	-- --	-- --	-- --
Barium	1000	-- --	-- --	-- --
Beryllium	3	-- --	-- --	-- --
Cadmium	5	-- --	-- --	-- --
Calcium	--	-- --	-- --	-- --
Chromium	50	-- --	-- --	-- --
Cobalt	~	-- --	-- --	-- --
Copper	200	-- --	-- --	-- --
Iron	300*	-- --	-- --	-- --
Lead	25	-- --	-- --	-- --
Magnesium	35000	-- --	-- --	-- --
Manganese	300*	-- --	-- --	-- --
Mercury	0.7	-- --	-- --	-- --
Nickel	100	-- --	-- --	-- --
Potassium	~	-- --	-- --	-- --
Selenium	10	-- --	-- --	-- --
Silver	50	-- --	-- --	-- --
Sodium	20000	-- --	-- --	-- --
Vanadium	~	-- --	-- --	-- --
Zinc	2000	-- --	-- --	-- --

Table 4
 Summary of Groundwater Sampling Results
 Area 17-Building #5 (NYSDEC Spill #9912674)
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-5W			FB-1			TB-1		
		3311-007 6/2/2000 Aqueous			3311-012 6/1/2000 Aqueous			3311-013 6/1/2000 Aqueous		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND			ND			ND		
1,2,4-Trichlorobenzene	5	ND	0.23		ND	0.23		ND	0.23	
1,3,5-Trimethylbenzene	5	ND	0.34		ND	0.34		ND	0.34	
2-Butanone(MEK)	50	--			--			--		
4-Isopropyltoluene	5	ND	0.31		ND	0.31		ND	0.31	
4-Methyl-2-pentanone (MIBK)	--	--			--			--		
Acetone	50	--			--			--		
Benzene	1	ND	0.45		ND	0.45		ND	0.45	
Chlorobenzene	5	--			--			--		
Chloroform	7	--			--			--		
cis-1,2-Dichloroethene	5	--			--			--		
Ethylbenzene	5	ND	0.37		ND	0.37		ND	0.37	
isopropylbenzene		ND	0.37		ND	0.37		ND	0.37	
Methylene Chloride	5	--			--			--		
Methyl-t-Butyl Ether (MTBE)	10	--			--			--		
Naphthalene	10	ND	0.34		ND	0.34		ND	0.34	
n-Butylbenzene	5	ND	0.34		ND	0.34		ND	0.34	
n-propylbenzene	5	ND	0.31		ND	0.31		ND	0.31	
sec-butylbenzene	5	ND	0.37		ND	0.37		ND	0.37	
tert-Butylbenzene	5	ND	0.34		ND	0.34		ND	0.34	
Tetrachloroethene	5	--			--			--		
Total Xylenes	5	ND	1.16		ND	1.16		ND	1.16	
Toluene	5	ND	0.51		ND	0.51		ND	0.51	
trichloroethene	5	--			--			--		
Vinyl Chloride	2	--			--			--		
Total Non-Targeted Peaks		ND			ND			ND		

Table 4
 Summary of Groundwater Sampling Results
 Area 17-Building #5 (NYSDEC Spill #9912674)
 Westchester County Airport
 Westchester, New York

	Client ID:	TOGS	GB-5W			FB-1			TB-1		
	Sample Depth:	Groundwater	3311-007			Field Blank (Aq.)			Trip Blank (Aq.)		
	Lab ID:	Guidance	6/2/2000			3311-012			3311-013		
	Date Sampled:	Values	Aqueous			6/1/2000			6/1/2000		
	Matrix:		Aqueous			Aqueous			Aqueous		
SVOCs (ppb)			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds			ND			--			--		
2-Methylnaphthalene		--	--			--			--		
Acenaphthene		20	ND		0.22	--			--		
Acenaphthylene		--	--			--			--		
Anthracene		50	ND		0.36	--			--		
Benzo[a]anthracene		0.002	ND		0.5	--			--		
Benzo[a]pyrene		ND	ND		0.68	--			--		
Benzo[b]fluoranthene		0.002	ND		1.1	--			--		
Benzo[g,h,i]perylene		--	ND		1.1	--			--		
Benzo[k]fluoranthene		0.002	ND		1.38	--			--		
bis(2-Ethylhexyl)phthalate		5	--			--			--		
Carbazole		--	--			--			--		
Chrysene		0.002	ND		0.8	--			--		
Dibenz[a,h]anthracene		--	ND		0.84	--			--		
Dibenzofuran		--	--			--			--		
Diethylphthalate		50	--			--			--		
Di-n-butylphthalate		50	--			--			--		
Di-n-octylphthalate		50	--			--			--		
Fluoranthene		50	ND		0.82	--			--		
Fluorene		50	ND		0.74	--			--		
Indeno[1,2,3-cd]pyrene		0.002	ND		1.24	--			--		
Naphthalene		10	--			--			--		
Phenanthrene		50	ND		0.3	--			--		
Pyrene		50	ND		0.52	--			--		
Total Non-Targeted Peaks:			ND			--			--		

Summary of Groundwater Sampling Results
Area 19
Westchester County Airport
Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	DPW-MW1		DPW-MW2		DPW-MW3		TB-1		FB-1		FB-2	
			3625-005 6/19/2000 Aqueous	Conc Q MDL	3625-006 6/19/2000 Aqueous	Conc Q MDL	3625-007 6/19/2000 Aqueous	Conc Q MDL	3626-004 6/16/2000 Aqueous	Conc Q MDL	3626-005 6/16/2000 Aqueous	Conc Q MDL	3626-006 6/16/2000 Aqueous	Conc Q MDL
Total Targeted Compounds			0.69	26.004										
1,2,4-Trichlorobenzene		5	ND	6	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	0.33
1,3,5-Trimethylbenzene		5	ND	2.25	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	0.3
2-Butanone(MEK)		50	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene		5	ND	0.718	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	0.25
4-Methyl-2-pentanone (MIBK)		-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone		50	-	-	-	-	-	-	-	-	-	-	-	-
Benzene		1	ND	0.22	0.22	ND	0.22	ND	0.22	ND	0.22	ND	0.22	0.22
Chlorobenzene		5	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform		7	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene		5	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene		5	ND	0.69	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	0.3
Isopropylbenzene		5	ND	0.3	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	0.3
Methylene Chloride		5	-	-	-	-	-	-	-	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)		5	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene		10	ND	1.36	1.36	ND	1.36	ND	1.36	ND	1.36	ND	1.36	1.36
n-Butylbenzene		10	ND	0.53	0.53	ND	0.53	ND	0.53	ND	0.53	ND	0.53	0.53
n-propylbenzene		5	ND	0.28	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.28	0.28
sec-butylbenzene		5	ND	0.493	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	0.25
tert-Butylbenzene		5	0.69	0.299	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	0.25
Tetrachloroethene		5	ND	0.28	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.28	0.28
Total Xylenes		5	-	-	-	-	-	-	-	-	-	-	-	-
Toluene		5	ND	5.83	0.8	ND	0.8	ND	0.8	ND	0.8	ND	0.8	0.8
Trichloroethane		5	ND	5.86	0.22	ND	0.22	ND	0.22	ND	0.22	ND	0.22	0.22
Vinyl Chloride		5	-	-	-	-	-	-	-	-	-	-	-	-
2		2	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks			-	-	-	-	-	-	-	-	-	-	-	-

Summary of Groundwater Sampling Results
Area 19
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	DPW-MW1		DPW-MW2		DPW-MW3		TB-1		FB-1		FB-2				
		3625-005 6/19/2000 Aqueous	3625-006 6/19/2000 Aqueous	3625-007 6/19/2000 Aqueous	3625-004 6/16/2000 Aqueous	3626-005 6/16/2000 Aqueous	3626-006 6/16/2000 Aqueous	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
SVOCs (ppb)																
Total Targeted Compounds																
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	0.4
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	0.37
Benzo(a)anthracene	0.002	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	0.35
Benzo(a)pyrene	ND	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	0.33
Benzo(b)fluoranthene	0.002	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	0.42
Benzo(g,h,i)perylene	-	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	0.58
Benzo(k)fluoranthene	0.002	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	0.55
bis(2-Ethylhexyl)phthalate	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.002	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	0.56
Dibenz(a,h)anthracene	-	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	0.45
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	0.41
Fluorene	50	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	0.4
Indeno(1,2,3-cd)pyrene	0.002	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	0.45
Naphthalene	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	0.48
Pyrene	50	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	0.58
Total Non-Targeted Peaks:																

Table 6A
 Summary of Soil Sampling Results
 Area 20 - Building 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-9 6.5-7' 3625-001 6/16/2000 Soil	GB-10 6.5-7' 3625-002 6/16/2000 Soil	FMW-9 5.5-6' 3625-003 6/16/2000 Soil
VOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		ND	ND	216.41
1,2,4-Trichlorobenzene	3400	1490 567	ND 5.5	100 5.85
1,3,5-Trimethylbenzene	100	186 J 567	ND 5.5	26.7 5.85
2-Butanone(MEK)	300	-- --	-- --	-- --
4-Isopropyltoluene	100	538 J 567	ND 5.5	17.2 5.85
4-Methyl-2-pentanone (MIBK)	1000	-- --	-- --	-- --
Acetone	200	-- --	-- --	-- --
Benzene	60	ND 567	ND 5.5	ND 5.85
Chlorobenzene	1700	-- --	-- --	-- --
Chloroform	300	-- --	-- --	-- --
cis-1,2-Dichloroethene	~	-- --	-- --	-- --
Ethylbenzene	5500	ND 567	ND 5.5	17.9 5.85
Isopropylbenzene	100	ND 567	ND 5.5	11.9 5.85
Methylene Chloride	100	-- --	-- --	-- --
Methyl-t-Butyl Ether (MTBE)	~	-- --	-- --	-- --
Naphthalene	200	ND 567	ND 5.5	ND 5.85
n-Butylbenzene	100	ND 567	ND 5.5	ND 5.85
n-propylbenzene	100	426 J 567	ND 5.5	19 5.85
sec-butylbenzene	100	845 567	ND 5.5	14.8 5.85
tert-Butylbenzene	100	ND 567	ND 5.5	ND 5.85
Tetrachloroethene	1400	-- --	-- --	-- --
Total Xylenes	1200	ND 567	ND 5.5	8.91 5.85
Toluene	1500	ND 567	ND 5.5	ND 5.85
Trichloroethene	~	-- --	-- --	-- --
Vinyl Chloride	200	-- --	-- --	-- --
Total Non-Targeted Peaks		--	--	--

Table 6A
 Summary of Soil Sampling Results
 Area 20 - Building 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-9 6.5-7' 3625-001 6/16/2000 Soil			GB-10 6.5-7' 3625-002 6/16/2000 Soil			FMW-9 5.5-6' 3625-003 6/16/2000 Soil		
SVOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		2434			ND			ND		
	2-Methylnaphthalene	36400	--	--	--	--	--	--	--	--
	Acenaphthene	50000	582	220	ND	206	ND	204	204	204
	Acenaphthylene	41000	--	--	--	--	--	--	--	--
	Anthracene	50000	212	220	ND	206	ND	J	204	204
	Benzo[a]anthracene	224	ND	220	ND	206	ND	204	204	204
	Benzo[a]pyrene	61	ND	220	ND	206	ND	204	204	204
	Benzo[b]fluoranthene	1100	ND	220	ND	206	ND	204	204	204
	Benzo[g,h,i]perylene	50000	ND	220	ND	206	ND	204	204	204
	Benzo[k]fluoranthene	1100	ND	220	ND	206	ND	204	204	204
	bis(2-Ethylhexyl)phthalate	50000	--	--	--	--	--	--	--	--
	Carbazole	--	--	--	--	--	--	--	--	--
	Chrysene	400	ND	220	ND	206	ND	204	204	204
	Dibenz[a,h]anthracene	14	ND	220	ND	206	ND	204	204	204
	Dibenzofuran	6200	--	--	--	--	--	--	--	--
	Diethylphthalate	7100	--	--	--	--	--	--	--	--
	Di-n-butylphthalate	8100	--	--	--	--	--	--	--	--
	Di-n-octylphthalate	8100	--	--	--	--	--	--	--	--
	Fluoranthene	50000	ND	220	ND	206	ND	204	204	204
	Fluorene	50000	562	220	ND	206	ND	204	204	204
	Indeno[1,2,3-cd]pyrene	3200	ND	220	ND	206	ND	204	204	204
	Naphthalene	13000	--	--	--	--	--	--	--	--
	Phenanthrene	50000	675	220	ND	206	ND	204	204	204
	Pyrene	50000	403	220	ND	206	ND	204	204	204
Total Non-Targeted Peaks:		--			--			--		

Table
Summary of Groundwater Sampling Results
Area 20 - Building 3
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-9W Conc Q MDL	FB-1 Field Blank 3626-005 6/16/2000 Aqueous	TB AQ. Trip Blank 3626-004 6/16/2000 Aqueous	FMW-9 Conc Q MDL	FIELD BLANK 6741-002 10/25/2000 Aqueous	TRIP BLANK 6741-001 10/25/2000 Aqueous
VOCs (ppb)							
Total Targeted Compounds		461.272 E	ND	ND	2.906	ND	Conc Q MDL ND
1,2,4-Trichlorobenzene	5	108 E 0.33	ND 0.33	ND 0.33	ND 0.23	ND 0.23	ND 0.23
1,3,5-Trimethylbenzene	5	26.3 0.3	ND 0.3	ND 0.3	--	--	--
2-Butanone(MEK)	50	--	--	--	0.778 0.41	ND 0.41	ND 0.41
4-Isopropyltoluene	5	4.67 0.25	ND 0.25	ND 0.25	--	--	--
4-Methyl-2-pentanone (MIBK)	~	--	--	--	ND 0.25	ND 0.25	ND 0.25
Acetone	50	--	--	--	ND 0.7	ND 0.7	ND 0.7
Benzene	1	1.19 0.22	ND 0.22	ND 0.22	ND 0.25	ND 0.25	ND 0.25
Chlorobenzene	5	--	--	--	ND 0.28	ND 0.28	ND 0.28
Chloroform	7	--	--	--	0.457 0.28	ND 0.28	ND 0.28
cis-1,2-Dichloroethene	5	--	--	--	ND 0.3	ND 0.3	ND 0.3
Ethylbenzene	5	34 0.3	ND 0.3	ND 0.3	0.992 0.3	ND 0.3	ND 0.3
Isopropylbenzene	5	10.4 0.3	ND 0.3	ND 0.3	0.679 0.3	ND 0.3	ND 0.3
Methylene Chloride	5	--	--	--	ND 1.91	ND 1.91	ND 1.91
Methyl-t-Butyl Ether (MTBE)	10	ND 1.36	ND 1.36	ND 1.36	ND 0.63	ND 0.63	ND 0.63
Naphthalene	10	116 E 0.53	ND 0.53	ND 0.53	--	--	--
n-Butylbenzene	5	11.6 0.28	ND 0.28	ND 0.28	--	--	--
n-propylbenzene	5	16 0.25	ND 0.25	ND 0.25	--	--	--
sec-butylbenzene	5	6.44 0.25	ND 0.25	ND 0.25	--	--	--
tert-Butylbenzene	5	0.512 0.28	ND 0.28	ND 0.28	--	--	--
Tetrachloroethene	5	--	--	--	ND 0.39	ND 0.39	ND 0.39
Total Xylenes	5	124 0.8	ND 0.8	ND 0.8	ND 0.88	ND 0.88	ND 0.88
Toluene	5	2.16 0.22	ND 0.22	ND 0.22	ND 0.3	ND 0.3	ND 0.3
Trichloroethene	5	--	--	--	ND 0.36	ND 0.36	ND 0.36
Vinyl Chloride	2	--	--	--	ND 0.39	ND 0.39	ND 0.39
Total Non-Targeted Peaks		--	--	--	23	ND	ND

Summary of Groundwater Sampling Results
Area 20 - Building 3
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-9W 3625-004 6/16/2000 Aqueous	FB-1 Field Blank 3626-005 6/16/2000 Aqueous	TB AQ. Trip Blank 3626-004 6/16/2000 Aqueous	FMW-9 6741-003 10/25/2000 Aqueous	FIELD BLANK 6741-002 10/25/2000 Aqueous	TRIP BLANK 6741-001 10/25/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
SVOCs (ppb)							
Total Targeted Compounds		10.01	ND	--	ND	ND	--
2-Methylnaphthalene	~	--	--	--	ND	0.18	--
Acenaphthene	20	2.19	ND	--	ND	0.11	--
Acenaphthylene	--	--	0.4	--	ND	0.18	--
Anthracene	50	ND	--	--	ND	0.18	--
Benzo[a]anthracene	0.002	ND	0.37	--	ND	0.25	--
Benzo[a]pyrene	ND	ND	0.35	--	ND	0.34	--
Benzo[b]fluoranthene	0.002	ND	0.33	--	ND	0.55	--
Benzo[g,h,i]perylene	~	ND	0.42	--	ND	0.55	--
Benzo[k]fluoranthene	0.002	ND	0.58	--	ND	0.55	--
bis(2-Ethylhexyl)phthalate	5	ND	0.55	--	ND	0.69	--
Carbazole	~	--	--	--	ND	0.73	--
Chrysene	0.002	--	--	--	ND	0.29	--
Dibenz[a,h]anthracene	--	ND	0.56	--	ND	0.4	--
Dibenzofuran	--	ND	0.45	--	ND	0.42	--
Diethylphthalate	50	--	--	--	ND	0.17	--
Di-n-butylphthalate	50	--	--	--	ND	0.3	--
Di-n-octylphthalate	50	--	--	--	ND	0.48	--
Fluoranthene	50	--	--	--	ND	0.63	--
Fluorene	50	ND	0.41	--	ND	0.41	--
Indeno[1,2,3-cd]pyrene	0.002	3.54	ND	--	ND	0.37	--
Naphthalene	10	ND	0.45	--	ND	0.62	--
Phenanthrene	50	--	--	--	ND	0.13	--
Pyrene	50	4.28	ND	--	ND	0.15	--
		ND	0.58	--	ND	0.26	--
Total Non-Targeted Peaks:		--	--	--	ND	--	--

Table 1
Summary of Groundwater Sampling Results
Area 20 - Building 3
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-9W 3625-004 6/16/2000 Aqueous	FB-1 Field Blank 3626-005 6/16/2000 Aqueous	TB AQ. Trip Blank 3626-004 6/16/2000 Aqueous	FMW-9 6741-003 10/25/2000 Aqueous	FIELD BLANK 6741-002 10/25/2000 Aqueous	TRIP BLANK 6741-001 10/25/2000 Aqueous
	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's	0.09*	-	-	-	ND	ND	-
Total Targeted Compounds							
Pesticides	0.01	-	-	-	ND	ND	-
Total Targeted Compounds							
Alcohols	50	-	-	-	-	-	-
Ethylene glycol							
Propylene glycol							
CYANIDE	200	-	-	-	ND	20.0	-
Cyanide, Total							
METALS (ppb)							
Aluminum	-	-	-	-	1300	ND	100
Antimony	3	-	-	-	ND	ND	8.00
Arsenic	25	-	-	-	ND	ND	4.00
Barium	1000	-	-	-	71.8	ND	20.0
Beryllium	3	-	-	-	ND	ND	4.00
Cadmium	5	-	-	-	ND	ND	4.00
Calcium	-	-	-	-	63700	ND	0.600
Chromium	50	-	-	-	ND	ND	800
Cobalt	-	-	-	-	ND	ND	20.0
Copper	200	-	-	-	ND	ND	40.0
Iron	300*	-	-	-	2220	ND	40.0
Lead	25	-	-	-	ND	ND	100
Magnesium	35000	-	-	-	ND	ND	4.00
Manganese	300*	-	-	-	11300	ND	200
Mercury	0.7	-	-	-	1880	ND	10.0
Nickel	100	-	-	-	ND	ND	0.500
Potassium	-	-	-	-	ND	ND	20.0
Selenium	10	-	-	-	4660	ND	200
Silver	50	-	-	-	ND	ND	8.00
Sodium	20000	-	-	-	ND	ND	0.400
Vanadium	-	-	-	-	45800	ND	200
Zinc	2000	-	-	-	ND	ND	30.0
					ND	ND	20.0

Table 7A
 Summary of Soil Sampling Results
 Areas 21 22 - Building #1
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-1 6.0 - 6.5' 3311-001 6/1/2000 Soil	
VOCs (ppb)		Conc	Q MDL
Total Targeted Compounds		ND	
1,2,4-Trichlorobenzene	3400	ND	6.55
1,3,5-Trimethylbenzene	100	ND	6.55
2-Butanone(MEK)	300	--	--
4-Isopropyltoluene	100	ND	6.55
4-Methyl-2-pentanone (MIBK)	1000	--	--
Acetone	200	--	--
Benzene	60	ND	6.55
Chlorobenzene	1700	--	--
Chloroform	300	--	--
cis-1,2-Dichloroethane	-	--	--
Ethylbenzene	5500	ND	6.55
Isopropylbenzene	100	ND	6.55
Methylene Chloride	100	--	--
Methyl-t-Butyl Ether (MTBE)	-	--	--
Naphthalene	200	ND	6.55
n-Butylbenzene	100	ND	6.55
n-propylbenzene	100	ND	6.55
sec-butylbenzene	100	ND	6.55
tert-Butylbenzene	100	ND	6.55
Tetrachloroethene	1400	--	--
Total Xylenes	1200	ND	6.55
Toluene	1500	ND	6.55
Trichloroethene	-	--	--
Vinyl Chloride	200	--	--
Total Non-Targeted Peaks		ND	

Table 7A
 Summary of Soil Sampling Results
 Areas 21 22 - Building #1
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-1 6.0 - 6.5' 3311-001 6/1/2000 Soil	
SVOCs (ppb)		Conc	Q MDL
Total Targeted Compounds		ND	
2-Methylnaphthalene	36400	--	--
Acenaphthene	50000	ND	257
Acenaphthylene	41000	--	--
Anthracene	50000	ND	257
Benzo[a]anthracene	224	ND	257
Benzo[a]pyrene	61	ND	257
Benzo[b]fluoranthene	1100	ND	257
Benzo[g,h,i]perylene	50000	ND	257
Benzo[k]fluoranthene	1100	ND	257
bis(2-Ethylhexyl)phthalate	50000	--	--
Carbazole	-	--	--
Chrysene	400	ND	257
Dibenz[a,h]anthracene	14	ND	257
Dibenzofuran	6200	--	--
Diethylphthalate	7100	--	--
Di-n-butylphthalate	8100	--	--
Di-n-octylphthalate	8100	--	--
Fluoranthene	50000	ND	257
Fluorene	50000	ND	257
Indeno[1,2,3-cd]pyrene	3200	ND	257
Naphthalene	13000	--	--
Phenanthrene	50000	ND	257
Pyrene	50000	ND	257
Total Non-Targeted Peaks:		ND	

Summary of Groundwater Sampling Results
 Areas 21 22 - Building #1
 Westchester County Airport
 Westchester, New York

Client ID:	TOGS	GB-2W	GB-4W	MW-1	FB-1	TB-1
Sample Depth:	Groundwater	3311-003	3311-005	3311-006	3311-012	3311-013
Lab ID:	Guidance	6/1/2000	6/1/2000	6/1/2000	6/1/2000	6/1/2000
Date Sampled:	Values	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Matrix:		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)						
Total Targeted Compounds		ND	130.44	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND 0.23	51.8 0.23	ND 0.23	ND 0.23	ND 0.23
1,3,5-Trimethylbenzene	5	ND 0.34	14.6 0.34	ND 0.34	ND 0.34	ND 0.34
2-Butanone(MEK)	50	-	-	-	-	-
4-Isopropyltoluene	5	ND 0.31	5 0.31	ND 0.31	ND 0.31	ND 0.31
4-Methyl-2-pentanone (MIBK)	-	-	-	-	-	-
Acetone	50	-	-	-	-	-
Benzene	1	ND 0.45	ND 0.45	ND 0.45	ND 0.45	ND 0.45
Chlorobenzene	5	-	-	-	-	-
Chloroform	7	-	-	-	-	-
cis-1,2-Dichloroethene	5	-	-	-	-	-
Ethylbenzene	5	ND 0.37	2.78 0.37	ND 0.37	ND 0.37	ND 0.37
Isopropylbenzene	5	ND 0.37	4.72 0.37	ND 0.37	ND 0.37	ND 0.37
Methylene Chloride	5	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)	10	-	-	-	-	-
Naphthalene	10	ND 0.34	25.8 0.34	ND 0.34	ND 0.34	ND 0.34
n-Butylbenzene	5	ND 0.34	7.57 0.34	ND 0.34	ND 0.34	ND 0.34
n-propylbenzene	5	ND 0.31	7.05 0.31	ND 0.31	ND 0.31	ND 0.31
sec-butylbenzene	5	ND 0.37	4.96 0.37	ND 0.37	ND 0.37	ND 0.37
tert-Butylbenzene	5	ND 0.34	0.697 0.34	ND 0.34	ND 0.34	ND 0.34
Tetrachloroethene	5	-	-	-	-	-
Total Xylenes	5	ND 1.16	5.46 1.16	ND 1.16	ND 1.16	ND 1.16
Toluene	5	ND 0.51	ND 0.51	ND 0.51	ND 0.51	ND 0.51
Trichloroethene	5	-	-	-	-	-
Vinyl Chloride	2	-	-	-	-	-
Total Non-Targeted Peaks		ND	ND	ND	ND	ND

Summary of Groundwater Sampling Results
 Areas 21 22 - Building #1
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-2W		GB-4W		MW-1		FB-1 Field Blank (Aq.)		TB-1 Trip Blank (Aq.)	
		3311-003 6/1/2000 Aqueous	Conc Q MDL	3311-005 6/1/2000 Aqueous	Conc Q MDL	3311-006 6/1/2000 Aqueous	Conc Q MDL	3311-012 6/1/2000 Aqueous	Conc Q MDL	3311-013 6/1/2000 Aqueous	Conc Q MDL
SVOCs (ppb)											
Total Targeted Compounds											
2-Methylnaphthalene	-	ND	500.46	-	-	-	-	-	-	-	-
Acenaphthene	20	ND	100	0.44	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50	ND	55	0.72	-	-	-	-	-	-	-
Benzo(a)anthracene	0.002	ND	1	1	-	-	-	-	-	-	-
Benzo(a)pyrene	ND	ND	1.36	1.36	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.002	ND	2.2	2.2	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	-	ND	2.2	2.2	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.002	ND	2.76	2.76	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	5	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.002	ND	1.6	1.6	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	-	ND	1.68	1.68	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	50	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	50	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50	ND	4.86	1.64	-	-	-	-	-	-	-
Fluorene	50	ND	115	1.48	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.002	ND	2.48	2.48	-	-	-	-	-	-	-
Naphthalene	10	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50	ND	204	0.6	-	-	-	-	-	-	-
Pyrene	50	ND	21.6	1.04	-	-	-	-	-	-	-
Total Non-Targeted Peaks:											
		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Soil Sampling Results
Area 24 - Former Air National Guard Dump
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-20 2.5-3' 3759-001 6/21/2000 Soil		GB-21 8-8.5' 3759-002 6/21/2000 Soil		GB-22 13-13.5' 3759-003 6/21/2000 Soil		GB-23 8-8.5' 3759-004 6/21/2000 Soil		GB-24 8-8.5' 3759-005 6/21/2000 Soil		FB-1 Field Blank (Aq.) 3759-007 6/21/2000 Aqueous	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		1.44	J	ND		ND		ND		ND		13.80	
Total Targeted Compounds		ND		ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	3400	ND	17.75	ND	5.80	ND	5.7	ND	6	ND	17.85	ND	5
1,3,5-Trimethylbenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Bulانونe(MEK)	300	ND	11.50	ND	11.60	ND	11.40	ND	12.00	ND	11.70	ND	10.00
4-Isopropyltoluene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	1000	ND	11.50	ND	11.60	ND	11.40	ND	12.00	ND	11.70	ND	10.00
Acetone	200	ND	11.50	ND	11.60	ND	11.40	ND	12.00	ND	11.70	ND	10.00
Benzene	60	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Chlorobenzene	1700	ND	7.75	ND	5.80	ND	5.70	ND	6	ND	7.85	ND	5
Chloroform	300	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
cis-1,2-Dichloroethene	-	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Ethylbenzene	5500	ND	8.75	ND	5.80	ND	5.70	ND	6	ND	8.85	ND	5
Isopropylbenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Methyl-t-Butyl Ether (MTBE)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-propylbenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1400	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Total Xylenes	1200	ND	9.75	ND	5.80	ND	5.70	ND	6	ND	9.85	ND	5
Toluene	1500	1.44	J	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Trichloroethene	-	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Vinyl Chloride	200	ND	5.75	ND	5.80	ND	5.70	ND	6.00	ND	5.85	ND	5.00
Total Non-Targeted Peaks		ND		ND		ND		ND		ND		ND	

Table
Summary of Soil Sampling Results
Area 24 - Former Air National Guard Dump
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-20	GB-21	GB-22	GB-23	GB-24	FB-1
		2.5-3' 3759-001 6/21/2000 Soil	8-8.5' 3759-002 6/21/2000 Soil	13-13.5' 3759-003 6/21/2000 Soil	8-8.5' 3759-004 6/21/2000 Soil	8-8.5' 3759-005 6/21/2000 Soil	Field Blank (Aq.) 3759-007 6/21/2000 Aqueous
SVOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		200	247	253	178 J	91.3 J	-
2-Methylnaphthalene	36400	ND 113	ND 203	ND 224	ND 217	ND 107	-
Acenaphthene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Acenaphthylene	41000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Anthracene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Benzo[a]anthracene	224	ND 113	ND 203	ND 224	ND 217	ND 107	-
Benzo[a]pyrene	61	ND 113	ND 203	ND 224	ND 217	ND 107	-
Benzo[b]fluoranthene	1100	ND 113	ND 203	ND 224	ND 217	ND 107	-
Benzo[k]fluoranthene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Benzo[e]pyrene	1100	ND 113	ND 203	ND 224	ND 217	ND 107	-
bis(2-Ethylhexyl)phthalate	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Carbazole	-	ND 113	ND 203	ND 224	ND 217	ND 107	-
Chrysene	400	ND 113	ND 203	ND 224	ND 217	ND 107	-
Dibenz[a,h]anthracene	14	ND 113	ND 203	ND 224	ND 217	ND 107	-
Dibenzofuran	6200	ND 113	ND 203	ND 224	ND 217	ND 107	-
Dibenzophthalate	7100	ND 113	ND 203	ND 224	ND 217	ND 107	-
Di-n-butylphthalate	8100	200 113	247 203	253 224	178 J 217	91.3 J 107	-
Di-n-octylphthalate	8100	ND 113	ND 203	ND 224	ND 217	ND 107	-
Fluoranthene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Fluorene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Indeno[1,2,3-cd]pyrene	3200	ND 113	ND 203	ND 224	ND 217	ND 107	-
Naphthalene	13000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Phenanthrene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Pyrene	50000	ND 113	ND 203	ND 224	ND 217	ND 107	-
Total Non-Targeted Peaks:		13285	4820 B	5480 B	7290 B	2239 B	-

Table 1
Summary of Soil Sampling Results
Area 24 - Former Air National Guard Dump
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-20 2.5-3' 3759-001 6/21/2000 Soil	GB-21 8-8.5' 3759-002 6/21/2000 Soil	GB-22 13-13.5' 3759-003 6/21/2000 Soil	GB-23 8-8.5' 3759-004 6/21/2000 Soil	GB-24 8-8.5' 3759-005 6/21/2000 Soil	FB-1 Field Blank (Aq.) 3759-007 6/21/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's	1000	ND	ND	ND	ND	ND	-
Total Targeted Compounds							
Pesticides	0.01	ND	ND	ND	ND	ND	-
Total Targeted Compounds							
Alcohols	-	-	-	-	-	-	-
Ethylene glycol							
Propylene glycol							
CYANIDE	-	ND	1.11	ND	1.19	ND	1.05
Cyanide, Total							
METALS (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Aluminum	SB	15600 2.31	24000 2.31	20200 2.26	19500 2.39	14000 2.35	-
Antimony	SB	ND 2.31	ND 2.31	ND 2.26	ND 2.39	ND 2.35	-
Arsenic	7.5 or SB	3.46 0.231	ND 0.231	0.498 0.226	1.91 0.239	2.27 0.235	-
Barium	300 or SB	52.9 5.77	192 5.78	127 5.65	76 5.98	98.8 5.87	-
Beryllium	0.16 or SB	ND 0.231	ND 0.231	ND 0.226	ND 0.239	ND 0.235	-
Cadmium	1 or SB	ND 0.231	ND 0.231	ND 0.226	ND 0.239	ND 0.235	-
Calcium	SB	904 23.1	3042 23.1	1880 22.6	1010 23.9	27100 470	-
Chromium	10 or SB	21.7 0.693	43.8 0.693	31.8 0.679	23.5 0.717	22.3 0.705	-
Cobalt	30 or SB	5.26 0.462	17.7 0.462	10.4 0.452	6.21 0.478	8.67 0.47	-
Copper	25 or SB	14.8 0.462	82 0.462	23.3 0.452	10 0.478	20.1 0.47	-
Iron	2000 or SB	15800 3.46	35700 69.3	25500 3.39	17800 3.59	21850 3.52	-
Lead	SB	30.1 2.31	7.65 2.31	7.2 2.26	14.2 2.39	7.02 2.35	-
Magnesium	SB	3200 23.1	9293 23.1	6730 22.6	3260 23.9	16190 23.5	-
Manganese	SB	298 0.462	609 0.462	499 0.452	297 0.478	688 0.47	-
Mercury	0.1	0.0601 0.0144	ND 0.0144	ND 0.0143	0.211 0.0149	ND 0.0147	-
Nickel	13 or SB	12.4 0.693	30 0.693	19.4 0.679	12.8 0.717	20.1 0.705	-
Potassium	SB	662 23.1	8441 23.1	5150 22.6	669 23.9	2931 23.5	-
Selenium	2 or SB	ND 23.1	ND 23.1	ND 2.26	ND 2.39	ND 2.35	-
Silver	SB	ND 0.575	ND 0.58	ND 0.57	ND 0.597	ND 0.576	-
Sodium	SB	253 23.1	369 23.1	311 22.6	255 23.9	324 23.5	-
Vanadium	150 or SB	32 0.346	85.9 0.347	47.2 0.339	34.7 0.359	26.2 0.352	-
Zinc	20 or SB	46.5 1.15	72.4 1.16	61.3 1.13	51.5 1.2	52.4 1.17	-

Table
 Summary of Groundwater Sampling Results
 Area 24 - Former Air National Guard Dump
 Westchester County Airport
 Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-20W		GB-21W		GB-24W		FB-1		TB-1	
			3858-001 6/21/2000 Aqueous	Conc Q MDL	3858-002 6/21/2000 Aqueous	Conc Q MDL	3858-003 6/21/2000 Aqueous	Conc Q MDL	3858-004 6/21/2000 Aqueous	Conc Q MDL	3858-005 6/21/2000 Aqueous	Conc Q MDL
Total Targeted Compounds			8.16	11.94	12.16	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	5	ND	ND	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
1,3,5-Trimethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone(MEK)	50	50	2.14	2.36	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
4-Isopropyltoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	50	50	6.02	9.58	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Benzene	1	1	ND	ND	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Chlorobenzene	5	5	ND	ND	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Chloroform	7	7	ND	ND	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
cis-1,2-Dichloroethene	5	5	ND	ND	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Ethylbenzene	5	5	ND	ND	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Isopropylbenzene	5	5	ND	ND	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
Methylene Chloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-4-Butyl Ether (MTBE)	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-propylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Total Xylenes	5	5	ND	ND	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
Toluene	5	5	ND	ND	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Trichloroethene	5	5	ND	ND	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
Vinyl Chloride	2	2	ND	ND	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
Total Non-Targeted Peaks			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table
Summary of Groundwater Sampling Results
Area 24 - Former Air National Guard Dump
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-20W		GB-21W		GB-24W		FB-1		TB-1	
		3858-001 6/21/2000 Aqueous	Conc Q MDL	3858-002 6/21/2000 Aqueous	Conc Q MDL	3858-003 6/21/2000 Aqueous	Conc Q MDL	3858-004 6/21/2000 Aqueous	Conc Q MDL	3858-005 6/21/2000 Aqueous	Conc Q MDL
SVOCs (ppb)		-	-	-	-	-	-	-	-	-	-
Total Targeted Compounds		-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	ND	0.18	-	-	-	-
Acenaphthene	20	-	-	-	-	ND	0.11	-	-	-	-
Acenaphthylene	-	-	-	-	-	ND	0.18	-	-	-	-
Anthracene	50	-	-	-	-	ND	0.18	-	-	-	-
Benzo[a]anthracene	0.002	-	-	-	-	ND	0.25	-	-	-	-
Benzo[a]pyrene	ND	-	-	-	-	ND	0.34	-	-	-	-
Benzo[b]fluoranthene	0.002	-	-	-	-	ND	0.55	-	-	-	-
Benzo[g,h,i]perylene	-	-	-	-	-	ND	0.55	-	-	-	-
Benzo[k]fluoranthene	0.002	-	-	-	-	ND	0.69	-	-	-	-
bis(2-Ethylhexyl)phthalate	5	-	-	-	-	ND	0.73	-	-	-	-
Carbazole	-	-	-	-	-	ND	0.29	-	-	-	-
Chrysene	0.002	-	-	-	-	ND	0.40	-	-	-	-
Dibenz[a,h]anthracene	-	-	-	-	-	ND	0.42	-	-	-	-
Dibenzofuran	-	-	-	-	-	ND	0.17	-	-	-	-
Diethylphthalate	50	-	-	-	-	ND	0.30	-	-	-	-
Di-n-butylphthalate	50	-	-	-	-	ND	0.48	-	-	-	-
Di-n-octylphthalate	50	-	-	-	-	ND	0.63	-	-	-	-
Fluoranthene	50	-	-	-	-	ND	0.41	-	-	-	-
Fluorene	50	-	-	-	-	ND	0.37	-	-	-	-
Indeno[1,2,3-cd]pyrene	0.002	-	-	-	-	ND	0.62	-	-	-	-
Naphthalene	10	-	-	-	-	ND	0.13	-	-	-	-
Phenanthrene	50	-	-	-	-	ND	0.15	-	-	-	-
Pyrene	50	-	-	-	-	ND	0.26	-	-	-	-
Total Non-Targeted Peaks:		-	-	-	-	ND	-	-	-	-	-

Summary of Downgradient Groundwater Sampling Results
Temporary Well Points Downgradient of Area 24
Westchester County Airport
Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-25W		GB-26W		GB-27W		GB-28W		GB-29W		GB-30W		GB-31W		FIELD BLANK		GB-32W		
			Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc
Total Targeted Compounds			ND		2.04	J	ND		ND		ND		ND		ND		ND		ND		ND
1,2,4-Trichlorobenzene		5	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.440	ND	0.880	ND
1,3,5-Trimethylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone(MEK)		50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone		50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene		1	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND
Chlorobenzene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND
Chloroform		7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND
Isopropylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylenes		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND
Toluene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND
Trichloroethene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND
Vinyl Chloride		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks			ND		ND		ND		ND		ND		ND		ND		ND		ND		ND

Summary of Downgradient Groundwater Sampling Results
 Temporary Well Points Downgradient of Area 24
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-25W		GB-26W		GB-27W		GB-28W		GB-29W		GB-30W		GB-31W		FIELD BLANK		GB-32W		
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc
SVOCs (ppb)																				
Total Targeted Compounds																				
2-Methylnaphthalene	-	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.350	ND	0.700	ND
Acenaphthene	20	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.400	ND	0.800	ND
Acenaphthylene	-	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.340	ND	0.680	ND
Anthracene	50	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.370	ND	0.740	ND
Benzo[a]anthracene	0.002	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.350	ND	0.700	ND
Benzo[a]pyrene	ND	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.330	ND	0.660	ND
Benzo[b]fluoranthene	0.002	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.420	ND	0.840	ND
Benzo[g,h,i]perylene	-	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	0.580	ND	1.16	ND
Benzo[k]fluoranthene	0.002	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	0.550	ND	1.10	ND
bis(2-Ethylhexyl)phthalate	5	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.320	ND	0.640	ND
Carbazole	-	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	0.500	ND	1.00	ND
Chrysene	0.002	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	0.560	ND	1.12	ND
Dibenz[a,h]anthracene	-	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.450	ND	0.900	ND
Dibenzofuran	-	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.390	ND	0.780	ND
Diethylphthalate	50	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.420	ND	0.840	ND
Di-n-butylphthalate	50	ND	0.640	ND	0.640	3.80	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.320	ND	0.640	ND
Di-n-octylphthalate	50	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.360	ND	0.720	ND
Fluoranthene	50	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.410	ND	0.820	ND
Fluorene	50	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.400	ND	0.800	ND
Indeno[1,2,3-cd]pyrene	0.002	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.450	ND	0.900	ND
Naphthalene	10	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.370	ND	0.740	ND
Phenanthrene	50	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.480	ND	0.960	ND
Pyrene	50	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	0.580	ND	1.16	ND
Total Non-Targeted Peaks:																				
		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND

Tat
 Summary of Downgradient Groundwater Sampling Results
 Temporary Well Points Downgradient of Area 24
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-25W	GB-26W	GB-27W	GB-28W	GB-29W	GB-30W	GB-31W	FIELD BLANK	GB-32W
		5092-001 8/16/2000 Aqueous	5092-002 8/16/2000 Aqueous	5092-003 8/18/2000 Aqueous	5092-004 8/16/2000 Aqueous	5092-005 8/16/2000 Aqueous	5092-006 8/17/2000 Aqueous	5092-007 8/17/2000 Aqueous	5092-008 8/16/2000 Aqueous	5092-009 ##### Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Targeted Compounds										
Pesticides	0.01									
Total Targeted Compounds										
Alcohols	50									
Ethylene glycol										
Propylene glycol										
CYANIDE	200									
Cyanide, Total										
METALS (ppb)										
Aluminum	~	117	1510	2210	1740	27600	1370	35600	100	5180
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	5.01	ND	4.02	ND	ND
Barium	1000	37.7	75.5	433	93.2	829	114	1120	ND	377
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	1.42	ND	0.600	ND	ND
Calcium	~	18600	24100	144000	13900	213000	800	143000	ND	97800
Chromium	50	ND	ND	ND	ND	76.7	ND	20.0	ND	ND
Cobalt	~	ND	ND	ND	ND	44.5	ND	40.0	ND	ND
Copper	200	ND	ND	ND	ND	140	ND	40.0	ND	ND
Iron	300*	530	2590	6860	3240	33200	2520	31700	100	1170
Lead	25	ND	ND	7.64	4.47	72.4	ND	4.00	ND	15.2
Magnesium	35000	7430	9270	43000	4280	88700	200	53800	ND	32500
Manganese	300*	1800	1390	1890	1260	5260	10.0	8150	ND	6850
Mercury	0.7	ND	ND	ND	ND	ND	ND	0.500	ND	ND
Nickel	100	ND	ND	ND	ND	64.2	ND	20.0	ND	ND
Polassium	~	3210	3920	6720	2110	14900	200	6390	ND	2180
Selenium	10	ND	ND	ND	ND	ND	ND	8.00	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	0.400	ND	ND
Sodium	20000	9930	13200	15500	5980	6990	200	12300	ND	1170
Vanadium	~	ND	ND	ND	ND	74.8	30.0	116	ND	ND
Zinc	2000	ND	31.9	36.0	36.4	219	24.0	254	ND	41.7

Summary of Downgradient Groundwater Sampling Results
 Temporary Well Points Downgradient of Area 24
 Westchester County Airport
 Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-33W		GB-34W		GB-35W		GB-36W		GB-37W		GB-38W		GB-39W		TRIP BLANK		MS/MSD 5092-018 8/18/2000 Aqueous	
			Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL		Conc
Total Targeted Compounds			ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene		5	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	5.00
1,3,5-Trimethylbenzene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
2-Butanone(MEK)		50	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
4-Isopropyltoluene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
4-Methyl-2-pentanone (MIBK)			ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Acetone		50	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Benzene		1	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Chlorobenzene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Chloroform		7	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
cis-1,2-Dichloroethene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Ethylbenzene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Isopropylbenzene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Methylene Chloride		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Methyl-t-Butyl Ether (MTBE)		10	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Naphthalene		10	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
n-Butylbenzene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
n-propylbenzene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
sec-butylbenzene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
tert-Butylbenzene		5	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Tetrachloroethene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Total Xylenes		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Toluene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Trichloroethene		5	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00	ND	5.00
Vinyl Chloride		2	ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00
Total Non-Targeted Peaks			ND		ND		ND		ND		ND		ND		ND		ND		ND	5.00

Table
 Summary of Downgradient Groundwater Sampling Results
 Temporary Well Points Downgradient of Area 24
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-33W		GB-34W		GB-35W		GB-36W		GB-37W		GB-38W		GB-39W		TRIP BLANK		MS/MSD		
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	
SVOCs (ppb)																				
Total Targeted Compounds		2.58		ND		ND		ND		ND		ND		ND		ND		ND		ND
2-Methylnaphthalene	-	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND
Acenaphthene	20	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND
Acenaphthylene	-	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND	0.680	ND
Anthracene	50	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND
Benzo[a]anthracene	0.002	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND	0.700	ND
Benzo[a]pyrene	ND	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND	0.660	ND
Benzo[b]fluoranthene	0.002	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND
Benzo[k]fluoranthene	-	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND
bis(2-Ethylhexyl)phthalate	0.002	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND	1.10	ND
Carbazole	5	1.37	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND
Chrysene	-	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND
Dibenz[a,h]anthracene	0.002	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND	1.12	ND
Dibenzofuran	-	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND
Diethylphthalate	-	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND	0.780	ND
Di-n-butylphthalate	50	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND	0.840	ND
Di-n-octylphthalate	50	1.21	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND	0.640	ND
Fluoranthene	50	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND	0.720	ND
Fluorene	50	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND	0.820	ND
Indeno[1,2,3-cd]pyrene	0.002	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND
Naphthalene	10	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND	0.900	ND
Phenanthrene	50	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND	0.740	ND
Pyrene	50	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND	0.960	ND
		ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND	1.16	ND
Total Non-Targeted Peaks:		102		15.4		ND		ND		ND		179		ND		ND		ND		ND

Tab
Summary of Downgradient Groundwater Sampling Results
 Temporary Well Points Downgradient of Area 24
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-33W		GB-34W		GB-35W		GB-36W		GB-37W		GB-38W		GB-39W		TRIP BLANK		MS/MSD	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
PCB's	0.09*	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0
Total Targeted Compounds		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pesticides	0.01	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Total Targeted Compounds		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Alcohols	50	-		-		-		-		-		-		-		-		-	
Ethylene glycol		-		-		-		-		-		-		-		-		-	
Propylene glycol		-		-		-		-		-		-		-		-		-	
CYANIDE	200	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0	ND	20.0
Cyanide, Total		ND		ND		ND		ND		ND		ND		ND		ND		ND	
METALS (ppb)																			
Aluminum	-	7960	100	32500	100	2770	100	26900	100	284	100	100	100	1340	100	1340	100	100	100
Antimony	3	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	8.00	8.00	ND	8.00	8.00	8.00	8.00	8.00
Arsenic	25	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	4.00	4.00	ND	4.00	4.00	4.00	4.00	4.00
Barium	1000	275	20.0	2420	20.0	119	20.0	630	20.0	58.6	20.0	20.0	20.0	65.9	20.0	20.0	20.0	20.0	20.0
Beryllium	3	ND	4.00	ND	4.00	ND	4.00	ND	4.00	ND	4.00	4.00	4.00	ND	4.00	4.00	4.00	4.00	4.00
Cadmium	5	ND	0.600	1.94	0.600	ND	0.600	1.59	0.600	ND	0.600	0.600	0.600	ND	0.600	0.600	0.600	0.600	0.600
Calcium	-	79200	800	102000	800	44500	800	35400	800	11500	800	14900	800	13600	800	13600	800	800	800
Chromium	50	50.2	20.0	77.8	20.0	ND	20.0	76.2	20.0	ND	20.0	20.0	20.0	ND	20.0	20.0	20.0	20.0	20.0
Cobalt	-	ND	40.0	50.3	40.0	ND	40.0	46.7	40.0	ND	40.0	40.0	40.0	ND	40.0	40.0	40.0	40.0	40.0
Copper	200	ND	40.0	71.5	40.0	ND	40.0	49.9	40.0	ND	40.0	40.0	40.0	ND	40.0	40.0	40.0	40.0	40.0
Iron	300*	9890	100	24600	100	2710	100	32300	100	285	100	100	100	1340	100	1340	100	100	100
Lead	25	28.1	4.00	44.3	4.00	5.80	4.00	51.6	4.00	ND	4.00	4.00	4.00	ND	4.00	4.00	4.00	4.00	4.00
Magnesium	35000	27400	200	45000	200	18000	200	18900	200	4420	200	5880	200	5170	200	5170	200	200	200
Manganese	300*	5380	10.0	12300	10.0	1970	10.0	8440	10.0	73.4	10.0	38.3	10.0	664	10.0	664	10.0	10.0	10.0
Mercury	0.7	ND	0.500	ND	0.500	ND	0.500	ND	0.500	ND	0.500	0.500	0.500	ND	0.500	0.500	0.500	0.500	0.500
Nickel	100	26.3	20.0	44.2	20.0	ND	20.0	45.1	20.0	ND	20.0	20.0	20.0	ND	20.0	20.0	20.0	20.0	20.0
Potassium	-	3330	200	4450	200	1400	200	5620	200	860	200	438	200	843	200	843	200	200	200
Selenium	10	ND	8.00	ND	8.00	ND	8.00	ND	8.00	ND	8.00	8.00	8.00	ND	8.00	8.00	8.00	8.00	8.00
Silver	50	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400	0.400	0.400	ND	0.400	0.400	0.400	0.400	0.400
Sodium	20000	7060	200	18000	200	8630	200	8990	200	8430	200	4580	200	12300	200	12300	200	200	200
Vanadium	-	33.1	30.0	48.8	30.0	ND	30.0	55.9	30.0	ND	30.0	30.0	30.0	ND	30.0	30.0	30.0	30.0	30.0
Zinc	2000	72.2	20.0	164	20.0	24.3	20.0	167	20.0	ND	20.0	20.0	20.0	ND	20.0	20.0	20.0	20.0	20.0

Table
 Summary of Groundwater Sampling Results
 Monitoring Wells Downgradient of Area 24
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-13		FMW-14		FMW-15		FMW-16		FIELD BLANK		TRIP BLANK	
		Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
VOCs (ppb)		ND		7.956		2.44		0.491		ND		ND	
Total Targeted Compounds		ND		7.956		2.44		0.491		ND		ND	
1,2,4-Trichlorobenzene	5	ND	0.360	ND	0.360	ND	0.360	ND	0.360	ND	0.360	ND	0.360
1,3,5-Trimethylbenzene	5	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone(MEK)	50	ND	0.970	ND	0.970	ND	0.970	ND	0.970	ND	0.970	ND	0.970
4-Isopropyltoluene	5	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	~	ND	0.470	ND	0.470	ND	0.470	ND	0.470	ND	0.470	ND	0.470
Acetone	50	ND	1.91	7.61	1.91	2.44	1.91	ND	1.91	ND	1.91	ND	1.91
Benzene	1	ND	0.220	ND	0.220	ND	0.220	ND	0.220	ND	0.220	ND	0.220
Chlorobenzene	5	ND	0.240	0.346	0.240	ND	0.240	ND	0.240	ND	0.240	ND	0.240
Chloroform	7	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250
cis-1,2-Dichloroethene	5	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250
Ethylbenzene	5	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Isopropylbenzene	5	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Methylene Chloride	5	ND	1.94	ND	1.94	ND	1.94	ND	1.94	ND	1.94	ND	1.94
Methyl-t-Butyl Ether (MTBE)	10	ND	1.36	ND	1.36	ND	1.36	ND	1.36	ND	1.36	ND	1.36
Naphthalene	10	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	5	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene	5	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene	5	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	5	ND	0.570	ND	0.570	ND	0.570	ND	0.570	ND	0.570	ND	0.570
Total Xylenes	5	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800	ND	0.800
Toluene	5	ND	0.220	ND	0.220	ND	0.220	ND	0.220	ND	0.220	ND	0.220
Trichloroethene	5	ND	0.390	ND	0.390	ND	0.390	0.491	0.390	ND	0.390	ND	0.390
Vinyl Chloride	2	ND	0.390	ND	0.390	ND	0.390	ND	0.390	ND	0.390	ND	0.390
Total Non-Targeted Peaks		ND		ND		ND		ND		ND		ND	

Summary of Groundwater Sampling Results
Monitoring Wells Downgradient of Area 24
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-13 6586-006 10/19/2000 Aqueous	FMW-14 6586-005 10/19/2000 Aqueous	FMW-15 6586-004 10/19/2000 Aqueous	FMW-16 6586-003 10/19/2000 Aqueous	FIELD BLANK 6586-001 10/19/2000 Aqueous	TRIP BLANK 6586-002 10/19/2000 Aqueous
SVOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		ND	ND	ND	ND	ND	-
2-Methylnaphthalene	~	ND 0.180	ND 0.180	ND 0.180	ND 0.180	ND 0.180	-
Acenaphthene	20	ND 0.110	ND 0.110	ND 0.110	ND 0.110	ND 0.110	-
Acenaphthylene	~	ND 0.180	ND 0.180	ND 0.180	ND 0.180	ND 0.180	-
Anthracene	50	ND 0.180	ND 0.180	ND 0.180	ND 0.180	ND 0.180	-
Benzo[a]anthracene	0.002	ND 0.250	ND 0.250	ND 0.250	ND 0.250	ND 0.250	-
Benzo[a]pyrene	ND	ND 0.340	ND 0.340	ND 0.340	ND 0.340	ND 0.340	-
Benzo[b]fluoranthene	0.002	ND 0.550	ND 0.550	ND 0.550	ND 0.550	ND 0.550	-
Benzo[g,h,i]perylene	~	ND 0.550	ND 0.550	ND 0.550	ND 0.550	ND 0.550	-
Benzo[k]fluoranthene	0.002	ND 0.690	ND 0.690	ND 0.690	ND 0.690	ND 0.690	-
bis(2-Ethylhexyl)phthalate	5	ND 0.730	ND 0.730	ND 0.730	ND 0.730	ND 0.730	-
Carbazole	~	ND 0.290	ND 0.290	ND 0.290	ND 0.290	ND 0.290	-
Chrysene	0.002	ND 0.400	ND 0.400	ND 0.400	ND 0.400	ND 0.400	-
Dibenz[a,h]anthracene	~	ND 0.420	ND 0.420	ND 0.420	ND 0.420	ND 0.420	-
Dibenzofuran	~	ND 0.170	ND 0.170	ND 0.170	ND 0.170	ND 0.170	-
Diethylphthalate	50	ND 0.300	ND 0.300	ND 0.300	ND 0.300	ND 0.300	-
Di-n-butylphthalate	50	ND 0.480	ND 0.480	ND 0.480	ND 0.480	ND 0.480	-
Di-n-octylphthalate	50	ND 0.630	ND 0.630	ND 0.630	ND 0.630	ND 0.630	-
Fluoranthene	50	ND 0.410	ND 0.410	ND 0.410	ND 0.410	ND 0.410	-
Fluorene	50	ND 0.370	ND 0.370	ND 0.370	ND 0.370	ND 0.370	-
Indeno[1,2,3-cd]pyrene	0.002	ND 0.620	ND 0.620	ND 0.620	ND 0.620	ND 0.620	-
Naphthalene	10	ND 0.130	ND 0.130	ND 0.130	ND 0.130	ND 0.130	-
Phenanthrene	50	ND 0.150	ND 0.150	ND 0.150	ND 0.150	ND 0.150	-
Pyrene	50	ND 0.260	ND 0.260	ND 0.260	ND 0.260	ND 0.260	-
Total Non-Targeted Peaks:		ND	10	ND	ND	ND	-

Table
Summary of Groundwater Sampling Results
Monitoring Wells Downgradient of Area 24
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-13 6586-006 10/19/2000 Aqueous	FMW-14 6586-005 10/19/2000 Aqueous	FMW-15 6586-004 10/19/2000 Aqueous	FMW-16 6586-003 10/19/2000 Aqueous	FIELD BLANK 6586-001 10/19/2000 Aqueous	TRIP BLANK 6586-002 10/19/2000 Aqueous	
	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
PCB's	0.09*	ND	ND	ND	ND	ND	ND	ND
Total Targeted Compounds								
Pesticides	0.01	ND	ND	ND	ND	ND	ND	ND
Total Targeted Compounds								
Alcohols	50	--	--	--	--	--	--	--
Ethylene glycol								
Propylene glycol								
CYANIDE	200	ND	ND	ND	ND	ND	ND	ND
Cyanide, Total								
METALS (ppb)								
Aluminum	--	24600	42000	87300	15500	100	ND	100
Antimony	3	ND	ND	ND	ND	8.00	ND	8.00
Arsenic	25	ND	16.2	18.9	ND	4.00	ND	4.00
Barium	1000	1350	3170	5730	602	20.0	ND	20.0
Beryllium	3	ND	8.21	11.1	ND	4.00	ND	4.00
Cadmium	5	ND	2.34	7.72	0.904	0.600	ND	0.600
Calcium	--	48900	501000	1412000	800	800	ND	800
Chromium	50	32.0	49.8	156	26.7	20.0	ND	20.0
Cobalt	--	49.8	151	194	ND	40.0	ND	40.0
Copper	200	59.7	112	404	67.2	40.0	ND	40.0
Iron	300*	11400	91900	118000	18100	100	ND	100
Lead	25	24.6	221	162	53.5	4.00	ND	4.00
Magnesium	35000	20900	182000	507000	15900	200	ND	200
Manganese	300*	3530	32600	24100	3450	10.0	ND	10.0
Mercury	0.7	ND	ND	ND	ND	0.500	ND	0.500
Nickel	100	48.0	143	259	41.9	20.0	ND	20.0
Potassium	--	4080	22100	25600	6050	200	ND	200
Selenium	10	ND	10.5	20.6	ND	8.00	ND	8.00
Silver	50	ND	ND	0.727	ND	0.400	ND	0.400
Sodium	20000	12700	32200	14300	20600	200	ND	200
Vanadium	--	44.4	201	207	54.7	30.0	ND	30.0
Zinc	2000	181	400	430	117	20.0	ND	20.0

Table 11A
 Summary of Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	B-5 1-2'			B-7 0-4'			POND SEDIMENT		
		7775-001 12/22/1999 Soil			7775-002 12/22/1999 Soil			7775-003 12/22/1999 Soil		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		208			10.7 J			52.54 J		
1,2,4-Trichlorobenzene		3400	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene		100	--	--	--	--	--	--	--	--
2-Butanone(MEK)		300	--	--	--	--	--	--	--	--
4-Isopropyltoluene		100	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)		1000	--	--	--	--	--	--	--	--
Acetone		200	--	--	--	--	--	--	--	--
Benzene		60	ND	55.9	ND	29	ND	6.1		
Chlorobenzene		1700	ND	55.9	ND	29	ND	6.1		
Chloroform		300	ND	55.9	ND	29	ND	6.1		
cis-1,2-Dichloroethene		--	--	--	--	--	--	--	--	--
Ethylbenzene		5500	ND	55.9	ND	29	1.65	J	6.1	
Isopropylbenzene		100	--	--	--	--	--	--	--	--
Methylene Chloride		100	ND	55.9	ND	29	36.1		6.1	
Methyl-t-Butyl Ether (MTBE)		--	--	--	--	--	--	--	--	--
Naphthalene		200	--	--	--	--	--	--	--	--
n-Butylbenzene		100	--	--	--	--	--	--	--	--
n-propylbenzene		100	--	--	--	--	--	--	--	--
sec-butylbenzene		100	--	--	--	--	--	--	--	--
tert-Butylbenzene		100	--	--	--	--	--	--	--	--
Tetrachloroethene		1400	ND	55.9	ND	29	ND		6.1	
Total Xylenes		1200	208	55.9	ND	29	4.39	J	6.1	
Toulene		1500	ND	55.9	10.7	J	29	10.4		6.1
Trichloroethene		--	ND	55.9	ND	29	ND		6.1	
Vinyl Chloride		200	ND	55.9	ND	29	ND		6.1	
Total Non-Targeted Peaks		14180			3977.2			3214		

Table 11A
 Summary of Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	B-5 1-2' 7775-001 12/22/1999 Soil			B-7 0-4' 7775-002 12/22/1999 Soil			POND SEDIMENT 7775-003 12/22/1999 Soil		
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
SVOCs (ppb)										
Total Targeted Compounds		32749			1932.2 J			4654.9 J		
2-Methylnaphthalene	36400	667	422	ND	114	ND	240			
Acenaphthene	50000	328	211	ND	57	ND	120			
Acenaphthylene	41000	910	211	ND	57	ND	120			
Anthracene	50000	387	211	41.4	J 57	103	120			
Benzo[a]anthracene	224	2350	211	166	57	453	120			
Benzo[a]pyrene	61	2580	211	144	57	384	120			
Benzo[b]fluoranthene	1100	3650	211	218	57	476	120			
Benzo[g,h,i]perylene	50000	1990	211	61.6	57	217	120			
Benzo[k]fluoranthene	1100	1330	211	72.5	57	162	120			
bis(2-Ethylhexyl)phthalate	50000	344	211	142	57	231	120			
Carbazole	~	ND	422	ND	114	ND	240			
Chrysene	400	2030	211	186	57	463	120			
Dibenz[a,h]anthracene	14	641	211	ND	57	84.6	120			
Dibenzofuran	6200	ND	422	ND	114	ND	240			
Diethylphthalate	7100	ND	211	ND	57	ND	120			
Di-n-butylphthalate	8100	133	211	68.6	57	ND	120			
Di-n-octylphthalate	8100	ND	211	ND	57	ND	120			
Fluoranthene	50000	5090	211	312	57	610	120			
Fluorene	50000	919	211	ND	57	ND	120			
Indeno[1,2,3-cd]pyrene	3200	1640	211	57.1	57	179	120			
Naphthalene	13000	ND	422	ND	114	ND	240			
Phenanthrene	50000	2780	211	125	57	371	120			
Pyrene	50000	4980	211	338	57	845	120			
Total Non-Targeted Peaks:		110170			5679			3537		

Table 11B
 Summary of Groundwater Sampling Results
 Temporary Well Points Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	B-5W			B-7W		
		7775-004 12/22/1999 Aqueous			7775-005 12/22/1999 Aqueous		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		65.607			835.37 E		
	1,2,4-Trichlorobenzene	5	--	--	--	--	--
	1,3,5-Trimethylbenzene	5	--	--	--	--	--
	2-Butanone(MEK)	50	--	--	--	--	--
	4-Isopropyltoluene	5	--	--	--	--	--
	4-Methyl-2-pentanone (MIBK)	~	--	--	--	--	--
	Acetone	50	--	--	--	--	--
	Benzene	1	1.7	0.45	13.5	0.45	
	Chlorobenzene	5	ND	0.2	ND	0.2	
	Chloroform	7	ND	0.39	ND	0.39	
	cis-1,2-Dichloroethene	5	--	--	--	--	--
	Ethylbenzene	5	3.86	0.37	6.37	0.37	
	Isopropylbenzene	5	--	--	--	--	--
	Methylene Chloride	5	ND	1.94	ND	1.94	
	Methyl-t-Butyl Ether (MTBE)	10	--	--	--	--	--
	Naphthalene	10	--	--	--	--	--
	n-Butylbenzene	5	--	--	--	--	--
	n-propylbenzene	5	--	--	--	--	--
	sec-butylbenzene	5	--	--	--	--	--
	tert-Butylbenzene	5	--	--	--	--	--
	Tetrachloroethene	5	ND	0.31	ND	0.31	
	Total Xylenes	5	43.5	1.16	23.5	1.16	
	Toulene	5	0.793	0.51	792	0.51	E
	Trichloroethene	5	0.454	0.34	ND	0.34	
	Vinyl Chloride	2	15.3	0.42	ND	0.42	
Total Non-Targeted Peaks		336.6			1363.5		

Table 11B
 Summary of Groundwater Sampling Results
 Temporary Well Points Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	B-5W			B-7W		
		7775-004 12/22/1999 Aqueous			7775-005 12/22/1999 Aqueous		
SVOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		133.57			5.406		
2-Methylnaphthalene	~	37.9		0.12	0.904		0.06
Acenaphthene	20	5.32		0.22	1.37		0.11
Acenaphthylene	~	ND		0.72	ND		0.36
Anthracene	50	1.57		0.38	0.622		0.19
Benzo[a]anthracene	0.002	5		0.5	ND		0.25
Benzo[a]pyrene	ND	5.11		0.82	ND		0.41
Benzo[b]fluoranthene	0.002	6.95		0.82	ND		0.41
Benzo[g,h,i]perylene	~	ND		0.9	ND		0.45
Benzo[k]fluoranthene	0.002	2.33		0.68	ND		0.34
bis(2-Ethylhexyl)phthalate	5	ND		1.64	ND		0.82
Carbazole	~	ND		0.54	ND		0.27
Chrysene	0.002	3.75		0.46	ND		0.23
Dibenz[a,h]anthracene	~	ND		0.7	ND		0.35
Dibenzofuran	~	ND		0.2	ND		0.1
Diethylphthalate	50	ND		0.96	ND		0.48
Di-n-butylphthalate	50	ND		1.86	ND		0.93
Di-n-octylphthalate	50	ND		1.64	ND		0.82
Fluoranthene	50	11.3		0.94	ND		0.47
Fluorene	50	7.34		0.22	ND		0.11
Indeno[1,2,3-cd]pyrene	0.002	ND		0.72	ND		0.36
Naphthalene	10	23.5		0.18	ND		0.09
Phenanthrene	50	9.4		0.16	1.21		0.08
Pyrene	50	14.1		0.94	1.3		0.47
Total Non-Targeted Peaks:		488.6			1011.9		

Tat
 Summary of Groundwater Sampling Results Monitoring Wells
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-5 AC03387 2/17/00 Aqueous	FMW-5 AC03388 2/17/00 Aqueous	FMW-7 AC03384 2/17/00 Aqueous	FMW-8 7646-010 12/1/00 Aqueous	FMW-23 7646-008 12/1/00 Aqueous	FB-1 Field Blank 7646-003 11/30/00 Aqueous	TB-2 Trip Blank 7646-015 12/1/00 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)								
Total Targeted Compounds		133.11	ND	ND	0.606	20.846	ND	ND
1,2,4-Trichlorobenzene	5	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	5	--	--	--	--	--	--	--
2-Butanone(MEK)	50	--	--	--	--	--	--	--
4-Isopropyltoluene	5	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	--	--	--	--	--	--	--	--
Acetone	50	--	--	--	--	--	--	--
Benzene	1	1.2	0.50	0.50	0.43	0.43	0.43	0.43
Chlorobenzene	5	ND	0.50	0.50	0.40	0.40	0.40	0.40
Chloroform	7	ND	0.50	0.50	0.26	0.26	0.26	0.26
cis-1,2-Dichloroethene	5	62	0.50	0.50	--	--	--	--
Ethylbenzene	5	3	0.50	0.50	0.47	0.47	0.47	0.47
Isopropylbenzene	5	--	--	--	--	--	--	--
Methylene Chloride	5	ND	0.50	0.50	0.95	0.95	0.95	0.95
Methyl-t-Butyl Ether (MTBE)	10	--	--	--	--	--	--	--
Naphthalene	10	--	--	--	--	--	--	--
n-Butylbenzene	5	--	--	--	--	--	--	--
n-propylbenzene	5	--	--	--	--	--	--	--
sec-butylbenzene	5	--	--	--	--	--	--	--
tert-Butylbenzene	5	--	--	--	--	--	--	--
Tetrachloroethene	5	ND	0.50	0.50	0.98	0.98	0.98	0.98
Total Xylenes	5	21.91	0.50	0.50	1.43	1.43	1.43	1.43
Toluene	5	ND	0.50	0.50	0.45	0.45	0.45	0.45
Trichloroethene	5	1.4	0.50	0.50	0.606	0.47	0.47	0.47
Vinyl Chloride	2	40	0.50	0.50	0.54	0.54	0.54	0.54
Total Non-Targeted Peaks		--	--	--	--	--	--	--

Tat 3
 Summary of Groundwater Sampling Results Monitoring Wells
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-5		FMW-6		FMW-7		FMW-8		FMW-23		FB-1		TB-2	
			Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
Total Targeted Compounds			45.0	ND	ND	1.77	2.681	ND	1.77	2.681	ND	2.681	ND	ND	-	-
2-Methylnaphthalene		-	29	-	-	ND	0.18	-	ND	0.18	ND	0.18	ND	0.18	-	-
Acenaphthene		20	ND	ND	2	ND	0.11	2	ND	0.11	ND	0.11	ND	0.11	-	-
Acenaphthylene		-	ND	ND	2	ND	0.18	2	ND	0.18	ND	0.18	ND	0.18	-	-
Anthracene		50	ND	ND	2	ND	0.18	2	ND	0.18	ND	0.18	ND	0.18	-	-
Benzo[a]anthracene		0.002	ND	ND	2	ND	0.25	2	ND	0.25	ND	0.25	ND	0.25	-	-
Benzo[a]pyrene		ND	ND	ND	2	ND	0.34	2	ND	0.34	ND	0.34	ND	0.34	-	-
Benzo[b]fluoranthene		0.002	ND	ND	2	ND	0.55	2	ND	0.55	ND	0.55	ND	0.55	-	-
Benzo[g,h,i]perylene		-	ND	ND	2	ND	0.55	2	ND	0.55	ND	0.55	ND	0.55	-	-
Benzo[k]fluoranthene		0.002	ND	ND	2	ND	0.69	2	ND	0.69	ND	0.69	ND	0.69	-	-
bis(2-Ethylhexyl)phthalate		5	ND	ND	2	ND	0.73	2	ND	0.73	0.881	0.73	ND	0.73	-	-
Carbazole		-	3.3	-	-	-	0.29	-	ND	0.29	ND	0.29	ND	0.29	-	-
Chrysene		0.002	ND	ND	2	ND	0.4	2	ND	0.4	ND	0.4	ND	0.4	-	-
Dibenz[a,h]anthracene		-	ND	ND	2	ND	0.42	2	ND	0.42	ND	0.42	ND	0.42	-	-
Dibenzofuran		-	-	-	-	-	0.17	-	ND	0.17	ND	0.17	ND	0.17	-	-
Diethylphthalate		50	ND	ND	2	ND	0.3	2	ND	0.3	ND	0.3	ND	0.3	-	-
Di-n-butylphthalate		50	ND	ND	2	ND	0.48	2	1.77	0.48	1.8	0.48	ND	0.48	-	-
Di-n-octylphthalate		50	ND	ND	2	ND	0.63	2	ND	0.63	ND	0.63	ND	0.63	-	-
Fluoranthene		50	ND	ND	2	ND	0.41	2	ND	0.41	ND	0.41	ND	0.41	-	-
Fluorene		50	2.5	ND	2	ND	0.37	2	ND	0.37	ND	0.37	ND	0.37	-	-
Indeno[1,2,3-cd]pyrene		0.002	ND	ND	2	ND	0.62	2	ND	0.62	ND	0.62	ND	0.62	-	-
Naphthalene		10	7.6	ND	2	ND	0.13	2	ND	0.13	ND	0.13	ND	0.13	-	-
Phenanthrene		50	2.6	ND	2	ND	0.15	2	ND	0.15	ND	0.15	ND	0.15	-	-
Pyrene		50	ND	ND	2	ND	0.26	2	ND	0.26	ND	0.26	ND	0.26	-	-
Total Non-Targeted Peaks:			ND	ND	ND	-	-	ND	-	-	-	-	-	-	-	-

Table A
Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-1 4' Soil		S-2 4' Soil		S-3 4' Soil		S-4 5/18/2000 Soil		S-5 2951-002 5/18/2000 Soil		S-6 2983-010 5/19/2000 Soil		S-7 2983-009 5/19/2000 Soil	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		21.42	JB	10.4	B	18.7	B	9433	J	71.1	J	12903	J	145	J
Total Targeted Compounds															
1,2,4-Trichlorobenzene	3400	--		--		--		--		--		--		--	
1,3,5-Trimethylbenzene	100	--		--		--		--		--		--		--	
2-Butanone(MEK)	300	--		--		--		--		--		--		--	
4-isopropyltoluene	100	--		--		--		--		--		--		--	
4-Methyl-2-pentanone (MIBK)	1000	--		--		--		--		--		--		--	
Acetone	200	--		--		--		--		--		--		--	
Benzene	60	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Chlorobenzene	1700	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Chloroform	300	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
cis-1,2-Dichloroethene	--	--		--		--		--		--		--		--	
Ethylbenzene	5500	1.93	J	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Isopropylbenzene	100	--		--		--		--		--		--		--	
Methylene Chloride	100	10.4	B	10.4	B	12	B	8.06	B	8.76	B	5.55	B	7.43	B
Methyl-t-Butyl Ether (MTBE)	--	--		--		--		--		--		--		--	
Naphthalene	200	--		--		--		--		--		--		--	
n-Butylbenzene	100	--		--		--		--		--		--		--	
n-propylbenzene	100	--		--		--		--		--		--		--	
sec-butylbenzene	100	--		--		--		--		--		--		--	
tert-Butylbenzene	100	--		--		--		--		--		--		--	
Tetrachloroethene	1400	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Total Xylenes	1200	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Toulene	1500	9.09		ND	5.4	6.7		ND	5.9	ND	5.9	ND	5.85	ND	5.65
Trichloroethene	--	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Vinyl Chloride	200	ND	5.4	ND	5.4	ND	5.8	ND	5.9	ND	5.9	ND	5.85	ND	5.65
Total Non-Targeted Peaks		83.12	C	29.7	C	26.1	B	--		--		--		--	

Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-1 4' Soil		S-2 4' Soil		S-3 4' Soil		S-4 Soil		S-5 Soil		S-6 Soil		S-7 Soil	
		Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
SVOCs (ppb)															
Total Targeted Compounds		151.9	J	205		144		9433	J	71.1	J	12903	J	145	J
2-Methylnaphthalene	36400	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	85.8	J	ND	225
Acenaphthene	50000	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	72.2	J	ND	225
Acenaphthylene	41000	ND	70.8	ND	71.8	ND	74.7	135	J	ND	108	408		ND	225
Anthracene	50000	ND	70.8	ND	71.8	ND	74.7	223		ND	108	158		ND	225
Benzo[a]anthracene	224	ND	70.8	ND	71.8	ND	74.7	997		ND	108	835		ND	225
Benzo[a]pyrene	61	ND	70.8	ND	71.8	ND	74.7	752		ND	108	1490		ND	225
Benzo[b]fluoranthene	1100	47.6	J	70.8	71.8	ND	74.7	906		ND	108	2070		145	J
Benzo[g,h,i]perylene	50000	ND	70.8	ND	71.8	ND	74.7	198	J	ND	108	567		ND	225
Benzo[k]fluoranthene	1100	ND	70.8	ND	71.8	ND	74.7	249		ND	108	632		ND	225
bis(2-Ethylhexyl)phthalate	50000	ND	70.8	205	71.8	144	74.7	ND	222	71.1	J	443		ND	225
Carbazole	-	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	122		ND	225
Chrysene	400	ND	70.8	ND	71.8	ND	74.7	984		ND	108	1080		ND	225
Dibenz[a,h]anthracene	14	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	160		ND	225
Dibenzofuran	6200	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	ND		ND	225
Diethylphthalate	7100	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	ND		ND	225
Di-n-butylphthalate	8100	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	222		ND	225
Di-n-octylphthalate	8100	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	ND		ND	225
Fluoranthene	50000	60.5	J	70.8	71.8	ND	74.7	1440		ND	108	1580		ND	225
Fluorene	50000	ND	70.8	ND	71.8	ND	74.7	162	J	ND	108	146		ND	225
Indeno[1,2,3-cd]pyrene	3200	ND	70.8	ND	71.8	ND	74.7	187	J	ND	108	559		ND	225
Naphthalene	13000	ND	70.8	ND	71.8	ND	74.7	ND	222	ND	108	ND		ND	225
Phenanthrene	50000	ND	70.8	ND	71.8	ND	74.7	1260		ND	108	667		ND	225
Pyrene	50000	43.8	J	70.8	71.8	ND	74.7	1940		ND	108	1280		ND	225
Total Non-Targeted Peaks:		ND		ND		ND		-		-		-		-	

Table
 Summary of Post Excavation Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-8		S-9		S-10		S-11		S-12		S-13		S-14	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		ND		3020.6		6773 J		2562.2 J		65.5 J		31756 J		9.16 B	
Total Targeted Compounds															
1,2,4-Trichlorobenzene	3400	--		--		--		--		--		--		--	
1,3,5-Trimethylbenzene	100	--		--		--		--		--		--		--	
2-Butanone(MEK)	300	--		--		--		--		--		--		--	
4-Isopropyltoluene	100	--		--		--		--		--		--		--	
4-Methyl-2-pentanone (MIBK)	1000	--		--		--		--		--		--		--	
Acetone	200	--		--		--		--		--		--		--	
Benzene	60	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	55.2	ND	5.85
Chlorobenzene	1700	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	5.8	ND	5.85
Chloroform	300	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	55.2	ND	5.85
cis-1,2-Dichloroethene	--	--		--		--		--		--		--		--	
Ethylbenzene	5500	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	5.8	ND	5.85
Isopropylbenzene	100	--		--		--		--		--		--		--	
Methylene Chloride	100	5.74 B	5.7	8.18 B	5.8	3.46 JB	5.45	6.81 B	5.95	6.41 B	5.75	52 B	55.2	9.16 B	5.85
Methyl-t-Butyl Ether (MTBE)	--	--		--		--		--		--		--		--	
Naphthalene	200	--		--		--		--		--		--		--	
n-Butylbenzene	100	--		--		--		--		--		--		--	
n-propylbenzene	100	--		--		--		--		--		--		--	
sec-butylbenzene	100	--		--		--		--		--		--		--	
tert-Butylbenzene	100	--		--		--		--		--		--		--	
Tetrachloroethene	1400	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	5.8	ND	5.85
Total Xylenes	1200	ND	5.7	ND	5.8	ND	5.45	19.2	5.95	ND	5.75	202	5.8	ND	5.85
Toluene	1500	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	6.7	55.2	ND	5.85
Trichloroethene	--	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	56.2	ND	5.85
Vinyl Chloride	200	ND	5.7	ND	5.8	ND	5.45	ND	5.95	ND	5.75	ND	55.2	ND	5.85
Total Non-Targeted Peaks		--		--		--		--		--		--		30.2 C	

Table A
Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-8		S-9		S-10		S-11		S-12		S-13		S-14	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)		ND		3020.6		6773 J		2562.2 J		65.5 J		31756 J		12023 J	
Total Targeted Compounds		ND		3020.6		6773 J		2562.2 J		65.5 J		31756 J		12023 J	
2-Methylnaphthalene	36400	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	3410	413	ND	208
Acenaphthene	50000	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	1230	413	ND	208
Acenaphthylene	41000	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	1130	413	337	208
Anthracene	50000	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	481	413	149 J	208
Benzo[a]anthracene	224	ND	75.1	394	74.9	752	308	200	114	ND	74	1350	413	983	208
Benzo[a]pyrene	61	ND	75.1	312	74.9	754	308	249	114	ND	74	1620	413	1730	208
Benzo[b]fluoranthene	1100	ND	75.1	374	74.9	1110	308	451	114	ND	74	2130	413	2470	208
Benzo[g,h,i]perylene	50000	ND	75.1	105	74.9	197 J	308	ND	114	ND	74	508	413	490	208
Benzo[k]fluoranthene	1100	ND	75.1	160	74.9	296 J	308	134	114	ND	74	933	413	777	208
bis(2-Ethylhexyl)phthalate	50000	ND	75.1	ND	74.9	ND	308	93.2	114	65.5 J	74	709	413	ND	208
Carbazole	-	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	ND	413	ND	208
Chrysene	400	ND	75.1	319	74.9	679	308	264	114	ND	74	1220	413	916	208
Dibenz[a,h]anthracene	14	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	ND	413	137 J	208
Dibenzofuran	6200	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	705	413	ND	208
Diethylphthalate	7100	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	ND	413	ND	208
Di-n-butylphthalate	8100	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	ND	413	ND	208
Di-n-octylphthalate	8100	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	385 J	413	ND	208
Fluoranthene	50000	ND	75.1	644	74.9	1230	308	527	114	ND	74	3120	413	1440	208
Fluorene	50000	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	2110	413	ND	208
Indeno[1,2,3-cd]pyrene	3200	ND	75.1	98.6	74.9	208 J	308	ND	114	ND	74	521	413	482	208
Naphthalene	13000	ND	75.1	ND	74.9	ND	308	ND	114	ND	74	722	413	ND	208
Phenanthrene	50000	ND	75.1	ND	74.9	447	308	244	114	ND	74	4420	413	402	208
Pyrene	50000	ND	75.1	614	74.9	1100	308	400	114	ND	74	2440	413	1710	208
Total Non-Targeted Peaks:		-		-		-		-		-		-		5080	

Table
 Summary of Post Excavation Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-15		S-16		S-17		S-18		S-19		S-20		S-21	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)															
Total Targeted Compounds		3.98	B	10.4	B	14.5	B	10.5	B	12.4	B	16.3	B	12	B
1,2,4-Trichlorobenzene	3400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone(MEK)	300	--	--	--	--	--	--	--	--	--	--	11.2	--	--	--
4-Isopropyltoluene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	1000	--	--	--	--	--	--	--	--	--	--	11.2	--	--	--
Acetone	200	--	--	--	--	--	--	--	--	--	--	11.2	--	--	--
Benzene	60	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Chlorobenzene	1700	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Chloroform	300	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
cis-1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	5500	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Isopropylbenzene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	100	3.98	B	10.4	B	14.5	B	10.5	B	12.4	B	3.46	B	12	B
Methyl-t-Butyl Ether (MTBE)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-propylbenzene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-butylbenzene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	1400	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Total Xylenes	1200	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Toluene	1500	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Trichloroethene	--	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Vinyl Chloride	200	ND	5.45	ND	5.45	ND	5.6	ND	5.85	ND	5.55	ND	5.6	ND	5.8
Total Non-Targeted Peaks		5.56	C	15.6	C	33.7	C	80.24	C	44.86	C	--	--	ND	ND

Table A
Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-15		S-16		S-17		S-18		S-19		S-20		S-21	
		Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
SVOCs (ppb)															
Total Targeted Compounds		12898 J		1586 J		8390 J		ND		ND		--		ND	
2-Methylnaphthalene	36400	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Acenaphthene	50000	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Acenaphthylene	41000	ND	194	ND	400	134 J	193	ND	205	ND	189	--	ND	115	
Anthracene	50000	127 J	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Benzo[a]anthracene	224	942	194	279 J	400	811	193	ND	205	ND	189	--	ND	115	
Benzo[a]pyrene	61	1320	194	241 J	400	893	193	ND	205	ND	189	--	ND	115	
Benzo[b]fluoranthene	1100	2070	194	394 J	400	1160	193	ND	205	ND	189	--	ND	115	
Benzo[g,h,i]perylene	50000	476	194	ND	400	301	193	ND	205	ND	189	--	ND	115	
Benzo[k]fluoranthene	1100	670	194	ND	400	479	193	ND	205	ND	189	--	ND	115	
bis(2-Ethylhexyl)phthalate	50000	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Carbazole	~	171 J	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Chrysene	400	1070	194	ND	400	878	193	ND	205	ND	189	--	ND	115	
Dibenz[a,h]anthracene	14	122 J	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Dibenzofuran	6200	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Diethylphthalate	7100	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Di-n-butylphthalate	8100	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Di-n-octylphthalate	8100	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Fluoranthene	50000	2370	194	322 J	400	1420	193	ND	205	ND	189	--	ND	115	
Fluorene	50000	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Indeno[1,2,3-cd]pyrene	3200	450	194	ND	400	293	193	ND	205	ND	189	--	ND	115	
Naphthalene	13000	ND	194	ND	400	ND	193	ND	205	ND	189	--	ND	115	
Phenanthrene	50000	1100	194	ND	400	401	193	ND	205	ND	189	--	ND	115	
Pyrene	50000	2010	194	350 J	400	1620	193	ND	205	ND	189	--	ND	115	
Total Non-Targeted Peaks:		1200		ND		811		ND		ND		--		8581	

Table
 Summary of Post Excavation Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-22		S-23		S-24		S-25		S-26		S-27		S-28	
			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Total Targeted Compounds			7.97	C	7.01	C	6.26	C	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	3400		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone(MEK)	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	1000		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	200		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	60		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Chlorobenzene	1700		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Chloroform	300		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
cis-1,2-Dichloroethene	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5500		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Isopropylbenzene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	100		7.97	C	7.01	C	6.26	C	6.26	C	6.26	C	6.26	C	6.26	C
Methyl-t-Butyl Ether (MTBE)	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	200		-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1400		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Total Xylenes	1200		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Toluene	1500		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Trichloroethene	-		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Vinyl Chloride	200		ND	5.9	ND	5.95	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.6
Total Non-Targeted Peaks			ND		8.09		ND									

Table A
 Summary of Post Excavation Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-22		S-23		S-24		S-25		S-26		S-27		S-28	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)		ND		4694.2 J		1963 J		ND		ND		ND		ND	
Total Targeted Compounds		ND		4694.2 J		1963 J		ND		ND		ND		ND	
2-Methylnaphthalene	36400	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Acenaphthene	50000	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Acenaphthylene	41000	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Anthracene	50000	ND	115	88.2 J	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Benzo[a]anthracene	224	ND	115	585	111	488 J	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Benzo[a]pyrene	61	ND	115	512	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Benzo[b]fluoranthene	1100	ND	115	564	111	359 J	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Benzo[g,h,i]perylene	50000	ND	115	267	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Benzo[k]fluoranthene	1100	ND	115	249	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
bis(2-Ethylhexyl)phthalate	50000	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Carbazole	-	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Chrysene	400	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Dibenz[a,h]anthracene	14	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Dibenzofuran	6200	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Diethylphthalate	7100	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Di-n-butylphthalate	8100	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Di-n-octylphthalate	8100	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Fluoranthene	50000	ND	115	714	111	567	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Fluorene	50000	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Indeno[1,2,3-cd]pyrene	3200	ND	115	259	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Naphthalene	13000	ND	115	ND	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Phenanthrene	50000	ND	115	331	111	ND	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Pyrene	50000	ND	115	713	111	549	521	ND	72.6	ND	74.8	ND	86	ND	77.9
Total Non-Targeted Peaks:		ND		ND		ND		ND		ND		ND		ND	

Table A
Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-29		S-30		FB-1		TB-1		FB-1		TB		FB-1	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		ND		ND		ND		ND		ND		ND		ND	
Total Targeted Compounds															
1,2,4-Trichlorobenzene	3400	--		--		--		--		--		--		--	
1,3,5-Trimethylbenzene	100	--		--		--		--		--		--		--	
2-Butanone(MEK)	300	--		--		--		--		--		--		--	
4-Isopropyltoluene	100	--		--		--		--		--		--		--	
4-Methyl-2-pentanone (MIBK)	1000	--		--		--		--		--		--		--	
Acetone	200	--		--		--		--		--		--		--	
Benzene	60	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Chlorobenzene	1700	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Chloroform	300	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
cis-1,2-Dichloroethene	--	--		--		--		--		--		--		--	
Ethylbenzene	5500	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Isopropylbenzene	100	--		--		--		--		--		--		--	
Methylene Chloride	100	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Methyl-t-Butyl Ether (MTBE)	--	--		--		--		--		--		--		--	
Naphthalene	200	--		--		--		--		--		--		--	
n-Butylbenzene	100	--		--		--		--		--		--		--	
n-propylbenzene	100	--		--		--		--		--		--		--	
sec-butylbenzene	100	--		--		--		--		--		--		--	
tert-Butylbenzene	100	--		--		--		--		--		--		--	
Tetrachloroethene	1400	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Total Xylenes	1200	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Toluene	1500	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Trichloroethene	--	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Vinyl Chloride	200	ND	5.95	ND	6.15	ND	5	ND	5	ND	5	ND	5	ND	5
Total Non-Targeted Peaks		ND		--		--		--		--		--		--	

Table A
Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-29		S-30		FB-1		TB-1		FB-1		TB		FB-1	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)		--	--	9664	J	--	--	--	--	--	--	--	--	--	--
Total Targeted Compounds		--	--	9664	J	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	36400	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Acenaphthene	50000	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	41000	--	--	415	237	--	--	--	--	--	--	--	--	--	--
Anthracene	50000	--	--	209	237	--	--	--	--	--	--	--	--	--	--
Benzo[a]anthracene	224	--	--	779	237	--	--	--	--	--	--	--	--	--	--
Benzo[a]pyrene	61	--	--	1040	237	--	--	--	--	--	--	--	--	--	--
Benzo[b]fluoranthene	1100	--	--	1460	237	--	--	--	--	--	--	--	--	--	--
Benzo[g,h,i]perylene	50000	--	--	531	237	--	--	--	--	--	--	--	--	--	--
Benzo[k]fluoranthene	1100	--	--	428	237	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Carbazole	--	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Chrysene	400	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Dibenz[a,h]anthracene	14	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	6200	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	7100	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	8100	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Di-n-octylphthalate	8100	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Fluoranthene	50000	--	--	1340	237	--	--	--	--	--	--	--	--	--	--
Fluorene	50000	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	3200	--	--	446	237	--	--	--	--	--	--	--	--	--	--
Naphthalene	13000	--	--	ND	237	--	--	--	--	--	--	--	--	--	--
Phenanthrene	50000	--	--	626	237	--	--	--	--	--	--	--	--	--	--
Pyrene	50000	--	--	1470	237	--	--	--	--	--	--	--	--	--	--
Total Non-Targeted Peaks:		--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table A
 Summary of Post Excavation Soil Sampling Results
 Area 25 - Former ARFF Burn Pit
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	FB-2 4012-010 7/3/2000 Aqueous	TB Aq 5766-007 9/14/2000 Aqueous	FB Aq. 5766-008 9/14/2000 Aqueous	Field Blank 6614-009 10/19/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)		--			
Total Targeted Compounds		--			
1,2,4-Trichlorobenzene	3400	--	ND 0.23	ND 0.23	--
1,3,5-Trimethylbenzene	100	--	ND 0.31	ND 0.31	--
2-Butanone(MEK)	300	--	--	--	--
4-Isopropyltoluene	100	--	ND 0.25	ND 0.25	--
4-Methyl-2-pentanone (MIBK)	1000	--	--	--	--
Acetone	200	--	--	--	--
Benzene	60	--	ND 0.28	ND 0.28	0.43
Chlorobenzene	1700	--	--	--	0.4
Chloroform	300	--	--	--	0.26
cis-1,2-Dichloroethene	--	--	--	--	--
Ethylbenzene	5500	--	ND 0.2	ND 0.2	0.47
Isopropylbenzene	100	--	--	--	--
Methylene Chloride	100	--	--	--	6.81 B
Methyl-t-Butyl Ether (MTBE)	--	--	--	--	0.95
Naphthalene	200	--	--	ND 0.42	--
n-Butylbenzene	100	--	ND 0.39	ND 0.39	--
n-propylbenzene	100	--	ND 0.17	ND 0.17	--
sec-butylbenzene	100	--	ND 0.25	ND 0.25	--
tert-Butylbenzene	100	--	ND 0.31	ND 0.31	--
Tetrachloroethene	1400	--	--	--	0.98
Total Xylenes	1200	--	ND 0.79	ND 0.79	1.43
Toulene	1500	--	ND 0.34	ND 0.34	0.45
Trichloroethene	--	--	--	--	0.47
Vinyl Chloride	200	--	--	--	0.54
Total Non-Targeted Peaks		--			--

Tab A
Summary of Post Excavation Soil Sampling Results
Area 25 - Former ARFF Burn Pit
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	FB-2		TB Aq		FB Aq.		Field Blank	
		Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
SVOCs (ppb)									
Total Targeted Compounds		ND		-		ND		-	
2-Methylnaphthalene	36400	ND	0.35	-		-		-	
Acenaphthene	50000	ND	0.4	-		-		-	
Acenaphthylene	41000	ND	0.34	-		-		-	
Anthracene	50000	ND	0.37	-		-		-	
Benzo[a]anthracene	224	ND	0.35	-		-		-	
Benzo[a]pyrene	61	ND	0.33	-		-		-	
Benzo[b]fluoranthene	1100	ND	0.42	-		-		-	
Benzo[g,h,i]perylene	50000	ND	0.58	-		-		-	
Benzo[k]fluoranthene	1100	ND	0.55	-		-		-	
bis(2-Ethylhexyl)phthalate	50000	ND	0.32	-		-		-	
Carbazole	-	ND	0.5	-		-		-	
Chrysene	400	ND	0.56	-		-		-	
Dibenz[a,h]anthracene	14	ND	0.45	-		-		-	
Dibenzofuran	6200	ND	0.39	-		-		-	
Diethylphthalate	7100	ND	0.42	-		-		-	
D,n-butylphthalate	8100	ND	0.32	-		-		-	
Di-n-octylphthalate	8100	ND	0.36	-		-		-	
Fluoranthene	50000	ND	0.41	-		-		-	
Fluorene	50000	ND	0.4	-		-		-	
Indeno[1,2,3-cd]pyrene	3200	ND	0.45	-		-		-	
Naphthalene	13000	ND	0.37	-		-		-	
Phenanthrene	50000	ND	0.48	-		-		-	
Pyrene	50000	ND	0.58	-		-		-	
Total Non-Targeted Peaks:		ND		-		-		-	

Table B
Summary of Soil Sampling Results for the Reuse of Stockpiled Soil
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-49 0-12' 6842-001 10/30/2000 Soil		GB-50 0-12' 6842-002 10/30/2000 Soil		GB-51 0-12' 6842-003 10/30/2000 Soil		GB-52 0-12' 6842-004 10/30/2000 Soil		GB-53 0-12' 6842-005 10/30/2000 Soil		GB-54 0-12' 6842-006 10/30/2000 Soil	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)													
Total Targeted Compounds		ND		ND		ND		ND		ND		ND	
Total Xylenes	1200	ND	5.7	ND	5.55	ND	5.6	ND	5.7	ND	5.5	ND	5.6
Total Non-Targeted Peaks		ND		ND		ND		ND		ND		ND	
SVOCs (ppb)													
Total Targeted Compounds		247.1		ND		ND		ND		ND		346.4	
Benzo(a)anthracene	224	82.2	J 105	ND	106	ND	105	ND	104	ND	104	81.4	J 105
Benzo(b)fluoranthene	1100	ND	105	ND	106	ND	105	ND	104	ND	104	65.6	J 105
Fluoranthene	50000	74.1	J 105	ND	106	ND	105	ND	104	ND	104	88.4	J 105
Fluorene	50000	ND	105	ND	106	ND	105	ND	104	ND	104	ND	105
Pyrene	50000	90.8	J 105	ND	106	ND	105	ND	104	ND	104	111	105
Total Non-Targeted Peaks:		ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

Summary of Soil Sampling Results for the Reuse of Stockpiled Soil
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-55 0-7' 6842-007 10/30/2000 Soil	GB-56 0-12' 6842-008 10/30/2000 Soil	GB-57 0-12' 6842-009 10/30/2000 Soil	GB-58 0-8' 6842-010 10/30/2000 Soil	GB-59 0-8' 6842-013 10/30/2000 Soil
VOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		ND	ND	2.03 J	ND	ND
Total Xylenes	1200	ND	ND	2.03 J	6.1	5.65
Total Non-Targeted Peaks		ND	ND	ND	ND	ND
SVOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		ND	ND	ND	ND	ND
Benzo(a)anthracene	224	ND	ND	108	120	112
Benzo(b)fluoranthene	1100	ND	ND	108	120	112
Fluoranthene	50000	ND	ND	108	120	112
Fluorene	50000	ND	ND	108	120	112
Pyrene	50000	ND	ND	108	120	112
Total Non-Targeted Peaks:		ND	ND	ND	ND	ND

Notes:

- VOCs Volatile Organic Compounds
- SVOCs = Semi volatile organic compounds
- ppb = parts per billion

Table A
 Summary of Soil Sampling Results
 Area 26 and 27 - Hanger B
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-11 6.5-7' 3706-001 6/20/2000 Soil	GB-11 9-9.5' 3706-002 6/20/2000 Soil	GB-12 6-6.5' 3706-003 6/20/2000 Soil	GB-13 6-6.5' 3706-004 6/20/2000 Soil	GB-14 7-7.5' 3706-005 6/20/2000 Soil	GB-15 6-6.5' 3706-006 6/20/2000 Soil	GB-16 6.5-7' 3706-007 6/20/2000 Soil
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)								
Total Targeted Compounds		68940 J	4291 J	ND	865 J	ND	1.89 J	4.01 J
1,2,4-Trichlorobenzene	3400	3710	563 J	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	100	1390 J	287 J	ND	ND	ND	ND	ND
2-Butanone(MEK)	300	-	-	-	-	-	-	-
4-Isopropyltoluene	100	ND	608	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-	-	-
Acetone	200	-	-	-	-	-	-	-
Benzene	60	ND	608	ND	ND	ND	ND	ND
Chlorobenzene	1700	-	-	-	-	-	-	-
Chloroform	300	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-
Ethylbenzene	5500	2050 J	608	ND	490 J	ND	ND	ND
Isopropylbenzene	100	ND	608	ND	ND	ND	ND	ND
Methylene Chloride	100	-	-	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)	-	ND	608	ND	ND	ND	ND	ND
Naphthalene	200	ND	608	ND	ND	ND	ND	ND
n-Butylbenzene	100	ND	608	ND	ND	ND	ND	ND
n-propylbenzene	100	ND	148 J	ND	375 J	ND	ND	ND
sec-butylbenzene	100	ND	608	ND	ND	ND	ND	ND
tert-Butylbenzene	100	ND	608	ND	ND	ND	ND	ND
Tetrachloroethene	1400	ND	608	ND	ND	ND	ND	ND
Total Xylenes	1200	9290	1240	ND	ND	ND	ND	ND
Toluene	1500	52500	1430	ND	ND	ND	1.89 J	4.01 J
Trichloroethene	-	-	-	-	-	-	-	-
Vinyl Chloride	200	-	-	-	-	-	-	-
Total Non-Targeted Peaks		-	-	-	-	-	-	-

Table A
Summary of Soil Sampling Results
Area 26 and 27 - Hanger B
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-11		GB-12		GB-13		GB-14		GB-15		GB-16	
		6.5-7' 3706-001 Soil	9-9.5' 3706-002 Soil	6-6.5' 3706-003 Soil	6-6.5' 3706-004 Soil	7-7.5' 3706-005 Soil	6-6.5' 3706-006 Soil	6-6.5' 3706-007 Soil	Conc Q	MDL	Conc Q	MDL	Conc Q
SVOCs (ppb)		Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
Total Targeted Compounds		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36400	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41000	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	224	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50000	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	6200	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	7100	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	8100	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	8100	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13000	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks:		-	-	-	-	-	-	-	-	-	-	-	-

Summary of Soil Sampling Results
 Area 26 and 27 - Hanger B
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-17 6-6.5' 3706-008 6/20/2000 Soil		GB-18 8-8.5' 3706-009 6/20/2000 Soil		GB-19 1-1.5' 3706-010 6/20/2000 Soil		FB-1 3759-006 6/20/2000 Soil	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		1235	J	2.19	J	13.09	J	2.75	J
Total Targeted Compounds		ND	578	ND	6.2	ND	5.75	ND	5
1,2,4-Trichlorobenzene	3400	ND	578	ND	6.2	ND	5.75	ND	5
1,3,5-Trimethylbenzene	100	ND	578	ND	6.2	ND	5.75	ND	5
2-Butanone(MEK)	300	-	-	-	-	-	-	-	-
4-Isopropyltoluene	100	283	J	ND	6.2	ND	5.75	ND	5
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-	-	-	-
Acetone	200	-	-	-	-	-	-	-	-
Benzene	60	ND	578	ND	6.2	1.79	J	ND	5
Chlorobenzene	1700	-	-	-	-	-	-	-	-
Chloroform	300	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-
Ethylbenzene	5500	ND	578	ND	6.2	ND	5.75	ND	5
Isopropylbenzene	100	ND	578	ND	6.2	ND	5.75	ND	5
Methylene Chloride	100	-	-	-	-	-	-	-	-
Methyl-4-Butyl Ether (MTBE)	-	ND	578	ND	6.2	ND	5.75	2.75	J
Naphthalene	200	ND	578	ND	6.2	ND	5.75	ND	5
n-Butylbenzene	100	ND	578	ND	6.2	ND	5.75	ND	5
n-propylbenzene	100	ND	578	ND	6.2	ND	5.75	ND	5
sec-butylbenzene	100	952	J	ND	6.2	ND	5.75	ND	5
tert-Butylbenzene	100	ND	578	ND	6.2	ND	5.75	ND	5
Tetrachloroethene	1400	-	-	-	-	-	-	-	-
Total Xylenes	1200	ND	578	ND	6.2	ND	5.75	ND	5
Toluene	1500	ND	578	2.19	J	11.3	5.75	ND	5
Trichloroethene	-	-	-	-	-	-	-	-	-
Vinyl Chloride	200	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks		-	-	-	-	-	-	-	-

Tat A
Summary of Soil Sampling Results
Area 26 and 27 - Hanger B
Westchester County Airport
Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-17 6-6.5' 3706-008 6/20/2000 Soil		GB-18 8-8.5' 3706-009 6/20/2000 Soil		GB-19 1-1.5' 3706-010 6/20/2000 Soil		FB-1 3759-006 6/20/2000 Soil	
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q
Total Targeted Compounds			12983	J	ND	ND	ND	ND	--	--
2-Methylnaphthalene		36400	--	--	--	--	--	--	--	--
Acenaphthene		50000	2370	109	ND	116	ND	113	--	--
Acenaphthylene		41000	--	--	--	--	--	--	--	--
Anthracene		50000	793	109	ND	116	ND	113	--	--
Benzo[a]anthracene		224	ND	109	ND	116	ND	113	--	--
Benzo[a]pyrene		61	ND	109	ND	116	ND	113	--	--
Benzo[b]fluoranthene		1100	ND	109	ND	116	ND	113	--	--
Benzo[g,h,i]perylene		50000	ND	109	ND	116	ND	113	--	--
Benzo[k]fluoranthene		1100	ND	109	ND	116	ND	113	--	--
bis(2-Ethylhexyl)phthalate		50000	--	--	--	--	--	--	--	--
Carbazole		--	--	--	--	--	--	--	--	--
Chrysene		400	ND	109	ND	116	ND	113	--	--
Dibenz[a,h]anthracene		14	ND	109	ND	116	ND	113	--	--
Dibenzofuran		6200	--	--	--	--	--	--	--	--
Diethylphthalate		7100	--	--	--	--	--	--	--	--
Di-n-butylphthalate		8100	--	--	--	--	--	--	--	--
Di-n-octylphthalate		8100	--	--	--	--	--	--	--	--
Fluoranthene		50000	72.2	J	ND	116	ND	113	--	--
Fluorene		50000	3200	109	ND	116	ND	113	--	--
Indeno[1,2,3-cd]pyrene		3200	ND	109	ND	116	ND	113	--	--
Naphthalene		13000	--	--	--	--	--	--	--	--
Phenanthrene		50000	6320	109	ND	116	ND	113	--	--
Pyrene		50000	228	109	ND	116	ND	113	--	--
Total Non-Targeted Peaks:			--	--	--	--	--	--	--	--

Table 3
Summary of Groundwater Sampling Results
Areas 26 and 27 - Hanger B
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-19		FMW-20		FMW-20		FMW-21		FMW-21		FMW-22				
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
VOCs (ppb)																
Total Targeted Compounds		10.665		6788	3744.4								1.433			
1,2,4-Trichlorobenzene	5	ND	0.23	ND	ND	ND	14.0	ND	0.23	ND	0.23	ND	ND	0.250	ND	0.250
1,3,5-Trimethylbenzene	5	ND	0.28	ND	ND	14.0	ND	ND	0.28	ND	0.28	ND	ND	0.280	ND	0.280
2-Butanone(MEK)	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	5	ND	0.23	ND	ND	15.0	ND	ND	0.23	ND	0.23	ND	ND	0.250	ND	0.250
4-Methyl-2-pentanone (MIBK)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	0.565	0.28	303	368	12.5	368	12.5	0.28	ND	0.28	ND	ND	0.280	ND	0.280
Chlorobenzene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	5	ND	0.20	58.0	64.4	15.0	64.4	15.0	0.20	ND	0.20	ND	ND	0.200	ND	0.200
Isopropylbenzene	5	ND	0.39	ND	ND	15.0	ND	15.0	0.39	ND	0.39	ND	ND	0.390	ND	0.390
Methylene Chloride	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl-t-Butyl Ether (MTBE)	10	ND	0.42	ND	76.2	31.5	76.2	31.5	0.42	ND	0.42	ND	0.423	0.420	ND	0.420
Naphthalene	10	ND	0.28	ND	ND	28.0	ND	31.5	0.28	ND	0.28	ND	ND	0.280	ND	0.280
n-Butylbenzene	5	ND	0.39	ND	ND	39.0	ND	15.0	0.39	ND	0.39	ND	ND	0.390	ND	0.390
n-propylbenzene	5	ND	0.25	ND	ND	25.0	ND	16.5	0.25	ND	0.25	ND	ND	0.250	ND	0.250
sec-butylbenzene	5	ND	0.23	ND	ND	25.0	ND	16.5	0.23	ND	0.23	ND	1.01	0.250	ND	0.250
tert-Butylbenzene	5	ND	0.23	ND	ND	23.0	ND	15.0	0.23	ND	0.23	ND	ND	0.230	ND	0.230
Tetrachloroethene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	5	ND	0.79	127	65.8	44.0	127	44.0	0.79	ND	0.79	ND	ND	0.790	ND	0.790
Toluene	5	10.1	0.34	6300	3170	15.0	3170	15.0	0.34	ND	0.34	ND	ND	0.340	ND	0.340
Trichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Non-Targeted Peaks		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table
Summary of Groundwater Sampling Results
Areas 26 and 27 - Hanger B
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-19		FMW-20		FMW-19		FMW-20		FMW-21		FMW-21		FMW-22		
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
SVOCs (ppb)																
Total Targeted Compounds																
2-Methylnaphthalene	~	ND														
Acenaphthene	20	ND	0.400													
Acenaphthylene	~	ND														
Anthracene	50	ND	0.370													
Benzo[a]anthracene	0.002	ND	0.350													
Benzo[a]pyrene	ND	ND	0.330													
Benzo[b]fluoranthene	0.002	ND	0.420													
Benzo[g,h,i]perylene	~	ND	0.580													
Benzo[k]fluoranthene	0.002	ND	0.550													
bis(2-Ethylhexyl)phthalate	5	ND	0.550													
Carbazole	~	ND														
Chrysene	0.002	ND	0.560													
Dibenz[a,h]anthracene	~	ND	0.450													
Dibenzofuran	~	ND														
Diethylphthalate	50	ND														
Di-n-butylphthalate	50	ND														
Di-n-octylphthalate	50	ND														
Fluoranthene	50	ND	0.410													
Fluorene	50	ND	0.400													
Indeno[1,2,3-cd]pyrene	0.002	ND	0.450													
Naphthalene	10	ND														
Phenanthrene	50	ND	0.480													
Pyrene	50	ND	0.580													
Total Non-Targeted Peaks		ND														

Table
 Summary of Groundwater Sampling Results
 Areas 26 and 27 - Hanger B
 Westchester County Airport
 Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-22		FMW-28		FMW-29		FMW-30		FIELD BLANK		TRIP BLANK		FIELD BLANK		TRIP BLANK		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q
Total Targeted Compounds			6.5		ND		ND		3.16		ND		ND		ND		ND		ND
1,2,4-Trichlorobenzene		5	ND	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.23	ND	0.23	ND	0.28	ND	0.28	ND
1,3,5-Trimethylbenzene		5	ND	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.28	ND	0.28	ND
2-Butanone(MEK)		50																	
4-Isopropyltoluene		5	ND	0.30	ND	0.30	ND	0.30	ND	0.30	ND	0.23	ND	0.23	ND	0.30	ND	0.30	ND
4-Methyl-2-pentanone (MIBK)																			
Acetone		50																	
Benzene		1	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.28	ND	0.28	ND	0.25	ND	0.25	ND
Chlorobenzene		5																	
Chloroform		7																	
cis-1,2-Dichloroethene		5																	
Ethylbenzene		5	ND	0.30	ND	0.30	ND	0.30	ND	0.30	ND	0.20	ND	0.20	ND	0.30	ND	0.30	ND
Isopropylbenzene		5	ND	0.30	ND	0.30	ND	0.30	ND	0.30	ND	0.39	ND	0.39	ND	0.30	ND	0.30	ND
Methylene Chloride		5																	
Methyl-1-Butyl Ether (MTBE)		10	4.81	0.63	ND	0.63	ND	0.63	3.16	0.63	ND	0.42	ND	0.42	ND	0.63	ND	0.63	ND
Naphthalene		10	ND	0.63	ND	0.63	ND	0.63	ND	0.63	ND	0.28	ND	0.28	ND	0.63	ND	0.63	ND
n-Butylbenzene		5	ND	0.30	ND	0.30	ND	0.30	ND	0.30	ND	0.39	ND	0.39	ND	0.30	ND	0.30	ND
n-propylbenzene		5	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.25	ND	0.25	ND	0.33	ND	0.33	ND
sec-butylbenzene		5	1.69	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.23	ND	0.23	ND	0.33	ND	0.33	ND
tert-Butylbenzene		5	ND	0.30	ND	0.30	ND	0.30	ND	0.30	ND	0.23	ND	0.23	ND	0.30	ND	0.30	ND
Tetrachloroethene		5																	
Total Xylenes		5	ND	0.88	ND	0.88	ND	0.88	ND	0.88	ND	0.79	ND	0.79	ND	0.88	ND	0.88	ND
Toluene		5	ND	0.30	ND	0.30	ND	0.30	ND	0.30	ND	0.34	ND	0.34	ND	0.30	ND	0.30	ND
Trichloroethene		5																	
Vinyl Chloride		2																	
Total Non-Targeted Peaks																			

Table
 Summary of Groundwater Sampling Results
 Areas 26 and 27 - Hanger B
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-22		FMW-28		FMW-29		FMW-30		FIELD BLANK		TRIP BLANK		FIELD BLANK		TRIP BLANK			
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
SVOCs (ppb)																			
Total Targeted Compounds		2.638		ND		ND		ND		ND		ND		ND		ND		ND	
2-Methylnaphthalene																			
Acenaphthene	20	0.768	0.110	ND	0.110	ND	0.110	ND	0.110	ND	0.400								
Acenaphthylene																			
Anthracene	50	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.370								
Benzofluoranthene	0.002	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.350								
Benzofluoranthene	ND	ND	0.340	ND	0.340	ND	0.340	ND	0.340	ND	0.330								
Benzofluoranthene	0.002	ND	0.550	ND	0.550	ND	0.550	ND	0.550	ND	0.420								
Benzofluoranthene		ND	0.550	ND	0.550	ND	0.550	ND	0.550	ND	0.580								
Benzofluoranthene	0.002	ND	0.690	ND	0.690	ND	0.690	ND	0.690	ND	0.550								
bis(2-Ethylhexyl)phthalate	5																		
Carbazole																			
Chrysene	0.002	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.560								
Dibenz[a,h]anthracene		ND	0.420	ND	0.420	ND	0.420	ND	0.420	ND	0.450								
Dibenzofuran																			
Diethylphthalate	50																		
Di-n-butylphthalate	50																		
Di-n-octylphthalate	50																		
Fluoranthene	50	ND	0.410	ND	0.410	ND	0.410	ND	0.410	ND	0.410								
Fluorene	50	0.740	0.370	ND	0.370	ND	0.370	ND	0.370	ND	0.400								
Indeno[1,2,3-cd]pyrene	0.002	ND	0.620	ND	0.620	ND	0.620	ND	0.620	ND	0.450								
Naphthalene	10																		
Phenanthrene	50	1.13	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.480								
Pyrene	50	ND	0.260	ND	0.260	ND	0.260	ND	0.260	ND	0.580								
Total Non-Targeted Peaks																			

Summary of Groundwater Sampling Results
 Area 29 - Department of Public Works Dump Area
 Westchester County Airport
 Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GE-MW-1		GE-MW-2		GE-MW-3	
			AC03385 2/17/00 Aqueous	Conc Q MDL	AC03383 2/17/00 Aqueous	Conc Q MDL	AC03384 2/17/00 Aqueous	Conc Q MDL
Total Targeted Compounds			ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		5	--	--	--	--	--	--
1,3,5-Trimethylbenzene		5	--	--	--	--	--	--
2-Butanone(MEK)		50	--	--	--	--	--	--
4-Isopropyltoluene		5	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)		--	--	--	--	--	--	--
Acetone		50	--	--	--	--	--	--
Benzene		1	ND	0.50	ND	0.50	ND	0.50
Chlorobenzene		5	ND	0.50	ND	0.50	ND	0.50
Chloroform		7	ND	0.50	ND	0.50	ND	0.50
cis-1,2-Dichloroethene		5	ND	0.50	ND	0.50	ND	0.50
Ethylbenzene		5	ND	0.50	ND	0.50	ND	0.50
Isopropylbenzene		5	--	--	--	--	--	--
Methylene Chloride		5	ND	0.50	ND	0.50	ND	0.50
Methyl-t-Butyl Ether (MTBE)		10	--	--	--	--	--	--
Naphthalene		10	--	--	--	--	--	--
n-Butylbenzene		5	--	--	--	--	--	--
n-propylbenzene		5	--	--	--	--	--	--
sec-butylbenzene		5	--	--	--	--	--	--
tert-Butylbenzene		5	--	--	--	--	--	--
Tetrachloroethene		5	--	--	--	--	--	--
Total Xylenes		5	ND	0.50	ND	0.50	ND	0.50
Toluene		5	ND*	0.50	ND*	0.50	ND*	0.50
Trichloroethene		5	ND	0.50	ND	0.50	ND	0.50
Vinyl Chloride		2	ND	0.50	ND	0.50	ND	0.50
Total Non-Targeted Peaks			--	--	--	--	--	--

Summary of Groundwater Sampling Results
 Area 29 - Department of Public Works Dump Area
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GE-MW-1		GE-MW-2		GE-MW-3	
		AC03385 2/17/00 Aqueous	Conc Q MDL	AC03383 2/17/00 Aqueous	Conc Q MDL	AC03384 2/17/00 Aqueous	Conc Q MDL
SVOCs (ppb)							
Total Targeted Compounds		ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	-	-	-	-	-	-	-
Acenaphthene	20	ND	ND	ND	ND	ND	ND
Acenaphthylene	-	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	-	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND
Carbazole	-	-	-	-	-	-	-
Chrysene	0.002	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	-	ND	ND	ND	ND	ND	ND
Dibenzofuran	-	-	-	-	-	-	-
Diethylphthalate	50	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks:		-	-	-	-	-	-

Summary of Groundwater Sampling Results
 Area 29 - Department of Public Works Dump Area
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GE-MW-1 AC03385 2/17/00 Aqueous Conc Q MDL	GE-MW-2 AC03383 2/17/00 Aqueous Conc Q MDL	GE-MW-3 AC03384 2/17/00 Aqueous Conc Q MDL
PCB's Total Targeted Compounds	0.09*	-	-	-
Pesticides Total Targeted Compounds	0.01	-	-	-
Alcohols Ethylene glycol Propylene glycol	50 -	- -	- -	- -
CYANIDE Cyanide, Total	200	-	-	-
METALS (ppb) Aluminum	-	320000	19000	2400
Antimony	3	650	81	91
Arsenic	25	ND	ND	ND
Barium	1000	3400	390	410
Beryllium	3	9.4	ND	ND
Cadmium	5	61	6	7.7
Calcium	-	150000	160000	180000
Chromium	50	920	75	27
Cobalt	-	370	37	51
Copper	200	1400	88	ND
Iron	300*	510	30000	98000
Lead	25	1300	120	76
Magnesium	35000	150000	44000	38000
Manganese	300*	12000	11000	10000
Mercury	0.7	ND	ND	ND
Nickel	100	660	62	57
Potassium	-	195000	34400	19700
Selenium	10	ND	ND	ND
Silver	50	140	ND	ND
Sodium	20000	59000	84000	67000
Vanadium	-	820	44	ND
Zinc	2000	1400	95	42

Tab A
 Summary of Soil Sampling Results
 Area 32 - Septic 1
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S1-1		S1-2		S1-3		S1-4		Field Blank		Trip Blank	
		Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
VOCs (ppb)		20.6	C	15.8	C	13.8	C	8.66	C	ND		ND	
Total Targeted Compounds													
1,2,4-Trichlorobenzene	3400	-		-		-		-		-		-	
1,3,5-Trimethylbenzene	100	-		-		-		-		-		-	
2-Butanone(MEK)	300	-		-		-		-		-		-	
4-Isopropyltoluene	100	-		-		-		-		-		-	
4-Methyl-2-pentanone (MIBK)	1000	-		-		-		-		-		-	
Acetone	200	-		-		-		-		-		-	
Benzene	60	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Chlorobenzene	1700	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Chloroform	300	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
cis-1,2-Dichloroethene	-	-		-		-		-		-		-	
Ethylbenzene	5500	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Isopropylbenzene	100	-		-		-		-		-		-	
Methylene Chloride	100	20.6	C	15.8	C	13.8	C	8.66	C	6.2	5	ND	5
Methyl-t-Butyl Ether (MTBE)	-	-		-		-		-		-		-	
Naphthalene	200	-		-		-		-		-		-	
n-Butylbenzene	100	-		-		-		-		-		-	
n-propylbenzene	100	-		-		-		-		-		-	
sec-butylbenzene	100	-		-		-		-		-		-	
tert-Butylbenzene	100	-		-		-		-		-		-	
Tetrachloroethene	1400	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Total Xylenes	1200	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Toulene	1500	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Trichloroethene	-	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Vinyl Chloride	200	ND	6.8	ND	5.95	ND	6	ND	6.2	ND	5	ND	5
Total Non-Targeted Peaks		-		-		-		-		-		-	

Summary of Soil Sampling Results
 Area 32 - Septic 1
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S1-1		S1-2		S1-3		S1-4		Field Blank		Trip Blank	
		Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
SVOCs (ppb)													
Total Targeted Compounds		132		ND		ND		ND		ND			
2-Methylnaphthalene	36400	ND	128	ND	110	ND	116	ND	115				
Acenaphthene	50000	ND	128	ND	110	ND	116	ND	115				
Acenaphthylene	41000	ND	128	ND	110	ND	116	ND	115				
Anthracene	50000	ND	128	ND	110	ND	116	ND	115				
Benzo[a]anthracene	224	ND	128	ND	110	ND	116	ND	115				
Benzo[a]pyrene	61	ND	128	ND	110	ND	116	ND	115				
Benzo[b]fluoranthene	1100	ND	128	ND	110	ND	116	ND	115				
Benzo[g,h,i]perylene	50000	ND	128	ND	110	ND	116	ND	115				
Benzo[k]fluoranthene	1100	ND	128	ND	110	ND	116	ND	115				
bis(2-Ethylhexyl)phthalate	50000	132	128	ND	110	ND	116	ND	115				
Carbazole	-	ND	128	ND	110	ND	116	ND	115				
Chrysene	400	ND	128	ND	110	ND	116	ND	115				
Dibenz[a,h]anthracene	14	ND	128	ND	110	ND	116	ND	115				
Dibenzofuran	6200	ND	128	ND	110	ND	116	ND	115				
Diethylphthalate	7100	ND	128	ND	110	ND	116	ND	115				
Di-n-butylphthalate	8100	ND	128	ND	110	ND	116	ND	115				
Di-n-octylphthalate	8100	ND	128	ND	110	ND	116	ND	115				
Fluoranthene	50000	ND	128	ND	110	ND	116	ND	115				
Fluorene	50000	ND	128	ND	110	ND	116	ND	115				
Indeno[1,2,3-cd]pyrene	3200	ND	128	ND	110	ND	116	ND	115				
Naphthalene	13000	ND	128	ND	110	ND	116	ND	115				
Phenanthrene	50000	ND	128	ND	110	ND	116	ND	115				
Pyrene	50000	ND	128	ND	110	ND	116	ND	115				
Total Non-Targeted Peaks:		--		--		--		--					

Summary of Groundwater Sampling Results
 Area 32 - Septic 1
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S1-4W		Field Blank		Trip Blank	
		Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
VOCs (ppb)							
Total Targeted Compounds		8.14	J	ND		ND	
1,2,4-Trichlorobenzene	5	-	-	-	-	-	-
1,3,5-Trimethylbenzene	5	-	-	-	-	-	-
1,4-Dichlorobenzene	3	3.31	J	ND	5	ND	5
2-Butanone(MEK)	50	-	-	-	-	-	-
4-Isopropyltoluene	5	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	-	-	-	-	-	-	-
Acetone	50	-	-	-	-	-	-
Benzene	1	ND	5	ND	5	ND	5
Chlorobenzene	5	ND	5	ND	5	ND	5
Chloroform	7	ND	5	ND	5	ND	5
cis-1,2-Dichloroethene	5	-	-	-	-	-	-
Ethylbenzene	5	ND	5	ND	5	ND	5
Isopropylbenzene	5	-	-	-	-	-	-
Methylene Chloride	5	ND	5	ND	5	ND	5
Methyl-t-Butyl Ether (MTBE)	5	ND	5	ND	5	ND	5
Naphthalene	10	-	-	-	-	-	-
n-Butylbenzene	10	-	-	-	-	-	-
n-propylbenzene	5	-	-	-	-	-	-
sec-butylbenzene	5	-	-	-	-	-	-
tert-Butylbenzene	5	-	-	-	-	-	-
Tetrachloroethene	5	-	-	-	-	-	-
Total Xylenes	5	ND	5	ND	5	ND	5
Toulene	5	ND	5	ND	5	ND	5
Trichloroethene	5	1.62	J	ND	5	ND	5
Vinyl Chloride	2	3.21	J	ND	5	ND	5
Total Non-Targeted Peaks		-	-	-	-	-	-

Summary of Groundwater Sampling Results
 Area 32 - Septic 1
 Westchester County Airport
 Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S1-4W		Field Blank		Trip Blank	
			Conc	MDL	Conc	MDL	Conc	MDL
Total Targeted Compounds			ND		--		--	
2-Methylnaphthalene		--	ND	0.36	--		--	
Acenaphthene		20	ND	0.22	--		--	
Acanaphthylene		--	ND	0.36	--		--	
Anthracene		50	ND	0.36	--		--	
Benzo[a]anthracene		0.002	ND	0.5	--		--	
Benzo[a]pyrene		ND	ND	0.68	--		--	
Benzo[b]fluoranthene		0.002	ND	1.1	--		--	
Benzo[g,h,i]perylene		--	ND	1.1	--		--	
Benzo[k]fluoranthene		0.002	ND	1.38	--		--	
bis(2-Ethylhexyl)phthalate		5	ND	1.46	--		--	
Carbazole		--	ND	0.58	--		--	
Chrysene		0.002	ND	0.8	--		--	
Dibenz[a,h]anthracene		--	ND	0.84	--		--	
Dibenzofuran		--	ND	0.34	--		--	
Diethylphthalate		50	ND	0.6	--		--	
Di-n-butylphthalate		50	ND	0.96	--		--	
Di-n-octylphthalate		50	ND	1.26	--		--	
Fluoranthene		50	ND	0.82	--		--	
Fluorene		50	ND	0.74	--		--	
Indeno[1,2,3-cd]pyrene		0.002	ND	1.24	--		--	
Naphthalene		10	ND	0.26	--		--	
Phenanthrene		50	ND	0.3	--		--	
Pyrene		50	ND	0.52	--		--	
Total Non-Targeted Peaks:			--		--		--	

Tab: 7A
 Summary of Soil Sampling Results
 Area 33 - Septic 2
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S2-1 7.5 - 8.0' 4841-006 8/10/2000 Soil	S2-2 5.0 - 5.5' 4841-007 8/10/2000 Soil	S2-3 8.5 - 9.0' 4841-008 8/10/2000 Soil	S2-4 5.0 - 5.5' 4841-009 8/10/2000 Soil	Field Blank 4841-011 8/10/2000 Aqueous	Trip Blank 4841-012 8/10/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)							
Total Targeted Compounds		14 C	11.4 C	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3400	--	--	--	--	--	--
1,3,5-Trimethylbenzene	100	--	--	--	--	--	--
2-Butanone(MEK)	300	--	--	--	--	--	--
4-Isopropyltoluene	100	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	1000	--	--	--	--	--	--
Acetone	200	--	--	--	--	--	--
Benzene	60	ND	5.75	ND	5.55	ND	5
Chlorobenzene	1700	ND	5.75	ND	5.55	ND	5
Chloroform	300	ND	5.75	ND	5.55	ND	5
cis-1,2-Dichloroethene	--	--	--	--	--	--	--
Ethylbenzene	5500	ND	5.75	ND	5.55	ND	5
Isopropylbenzene	100	--	--	--	--	--	--
Methylene Chloride	100	14 C	11.4 C	ND	5.55	ND	5
Methyl-t-Butyl Ether (MTBE)	--	--	--	--	--	--	--
Naphthalene	200	--	--	--	--	--	--
n-Butylbenzene	100	--	--	--	--	--	--
n-propylbenzene	100	--	--	--	--	--	--
sec-butylbenzene	100	--	--	--	--	--	--
tert-Butylbenzene	100	--	--	--	--	--	--
Tetrachloroethene	1400	ND	5.75	ND	5.55	ND	5
Total Xylenes	1200	ND	5.75	ND	5.55	ND	5
Toulene	1500	ND	5.75	ND	5.55	ND	5
Trichloroethene	--	ND	5.75	ND	5.55	ND	5
Vinyl Chloride	200	ND	5.75	ND	5.55	ND	5
Total Non-Targeted Peaks		9.63 C	8.4 C	ND	9.32	ND	ND

Tab 1A
Summary of Soil Sampling Results
Area 33 - Septic 2
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S2-1 7.5 - 8.0' 4841-006 8/10/2000 Soil		S2-2 5.0 - 5.5' 4841-007 8/10/2000 Soil		S2-3 8.5 - 9.0' 4841-008 8/10/2000 Soil		S2-4 5.0 - 5.5' 4841-009 8/10/2000 Soil		Field Blank 4841-011 8/10/2000 Aqueous		Trip Blank 4841-012 8/10/2000 Aqueous	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)													
Total Targeted Compounds			658	338	398	397							
2-Methylnaphthalene	36400	ND	106	75.1	69.9	ND	69.9	ND	69.6	--	--	--	--
Acenaphthene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.6	--	--	--	--
Acenaphthylene	41000	ND	106	75.1	69.9	ND	69.9	ND	69.6	--	--	--	--
Anthracene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Benzo[a]anthracene	224	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Benzo[a]pyrene	61	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Benzo[b]fluoranthene	1100	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Benzo[g,h,i]perylene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Benzo[k]fluoranthene	1100	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Carbazole	~	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Chrysene	400	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Dibenz[a,h]anthracene	14	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Dibenzofuran	6200	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Diethylphthalate	7100	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Di-n-butylphthalate	8100	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Di-n-octylphthalate	8100	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Fluoranthene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Fluorene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Indeno[1,2,3-cd]pyrene	3200	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Naphthalene	13000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Phenanthrene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Pyrene	50000	ND	106	75.1	69.9	ND	69.9	ND	69.9	--	--	--	--
Total Non-Targeted Peaks:			658	338	398	397							

Table 17B
 Summary of Groundwater Sampling Results
 Area 33 - Septic 2
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S2-4W		Field Blank		Trip Blank	
		4841-010 8/10/2000 Aqueous	4841-011 8/10/2000 Aqueous	4841-012 8/10/2000 Aqueous	4841-012 8/10/2000 Aqueous		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND		ND		ND	
1,2,4-Trichlorobenzene		5	--	--	--	--	--
1,3,5-Trimethylbenzene		5	--	--	--	--	--
2-Butanone(MEK)		50	--	--	--	--	--
4-Isopropyltoluene		5	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)		--	--	--	--	--	--
Acetone		50	--	--	--	--	--
Benzene		1	ND	5	ND	5	ND
Chlorobenzene		5	ND	5	ND	5	ND
Chloroform		7	ND	5	ND	5	ND
cis-1,2-Dichloroethene		5	--	--	--	--	--
Ethylbenzene		5	ND	5	ND	5	ND
Isopropylbenzene		5	--	--	--	--	--
Methylene Chloride		5	ND	5	ND	5	ND
Methyl-t-Butyl Ether (MTBE)		10	--	--	--	--	--
Naphthalene		10	--	--	--	--	--
n-Butylbenzene		5	--	--	--	--	--
n-propylbenzene		5	--	--	--	--	--
sec-butylbenzene		5	--	--	--	--	--
tert-Butylbenzene		5	--	--	--	--	--
Tetrachloroethene		5	ND	5	ND	5	ND
Total Xylenes		5	ND	5	ND	5	ND
Toulene		5	ND	5	ND	5	ND
Trichloroethene		5	ND	5	ND	5	ND
Vinyl Chloride		2	ND	5	ND	5	ND
Total Non-Targeted Peaks		ND		ND		ND	

Table 17B
 Summary of Groundwater Sampling Results
 Area 33 - Septic 2
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S2-4W			Field Blank			Trip Blank		
		4841-010 8/10/2000 Aqueous			4841-011 8/10/2000 Aqueous			4841-012 8/10/2000 Aqueous		
SVOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		3.3			--			--		
2-Methylnaphthalene		--	ND	0.36	--	--	--	--	--	--
Acenaphthene		20	ND	0.22	--	--	--	--	--	--
Acenaphthylene		--	ND	0.36	--	--	--	--	--	--
Anthracene		50	ND	0.36	--	--	--	--	--	--
Benzo[a]anthracene		0.002	ND	0.5	--	--	--	--	--	--
Benzo[a]pyrene		ND	ND	0.68	--	--	--	--	--	--
Benzo[b]fluoranthene		0.002	ND	1.1	--	--	--	--	--	--
Benzo[g,h,i]perylene		--	ND	1.1	--	--	--	--	--	--
Benzo[k]fluoranthene		0.002	ND	1.38	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate		5	ND	1.46	--	--	--	--	--	--
Carbazole		--	ND	0.58	--	--	--	--	--	--
Chrysene		0.002	ND	0.8	--	--	--	--	--	--
Dibenz[a,h]anthracene		--	ND	0.84	--	--	--	--	--	--
Dibenzofuran		--	ND	0.34	--	--	--	--	--	--
Diethylphthalate		50	3.3	0.6	--	--	--	--	--	--
Di-n-butylphthalate		50	ND	0.96	--	--	--	--	--	--
Di-n-octylphthalate		50	ND	1.26	--	--	--	--	--	--
Fluoranthene		50	ND	0.82	--	--	--	--	--	--
Fluorene		50	ND	0.74	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene		0.002	ND	1.24	--	--	--	--	--	--
Naphthalene		10	ND	0.26	--	--	--	--	--	--
Phenanthrene		50	ND	0.3	--	--	--	--	--	--
Pyrene		50	ND	0.52	--	--	--	--	--	--
Total Non-Targeted Peaks:		9			--			--		

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-1 5.0 - 5.5' 4841-013 8/10/2000 Soil	S3-2 6.5 - 7.0' 4841-014 8/10/2000 Soil	S3-3 6.0 - 6.5' 4841-015 8/10/2000 Soil	S3-4 6.5 - 7.0' 4841-016 8/10/2000 Soil	S3-5 3'-3.5' 5410-001 9/1/2000 Soil	S3-5 6.5-7' 5410-003 9/1/2000 Soil	S3-6 6.5-7' 5410-002 9/1/2000 Soil
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)								
Total Targeted Compounds		12.4 C	14.16 JC	13.8 C	18.59 C	ND	ND	ND
1,2,4-Trichlorobenzene	3400	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	100	-	-	-	-	-	-	-
2-Butanone(MEK)	300	-	-	-	-	-	-	-
4-Isopropyltoluene	100	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-	-	-
Acetone	200	-	-	-	-	-	-	-
Benzene	60	ND	ND	ND	6.3	5.4	6.05	5.55
Chlorobenzene	1700	ND	ND	ND	6.3	5.4	6.05	5.55
Chloroform	300	ND	ND	ND	6.3	5.4	6.05	5.55
cis-1,2-Dichloroethane	-	-	-	-	-	-	-	-
Ethylbenzene	5500	ND	ND	ND	6.3	5.4	6.05	5.55
Isopropylbenzene	100	-	-	-	-	-	-	-
Methylene Chloride	100	12.4 C	10.6 C	13.8 C	11.7 C	5.4	6.05	5.55
Methyl-t-Butyl Ether (MTBE)	-	-	-	-	-	-	-	-
Naphthalene	200	-	-	-	-	-	-	-
n-Butylbenzene	100	-	-	-	-	-	-	-
n-propylbenzene	100	-	-	-	-	-	-	-
sec-butylbenzene	100	-	-	-	-	-	-	-
tert-Butylbenzene	100	-	-	-	-	-	-	-
Tetrachloroethene	1400	ND	3.56 J	ND	6.3	5.4	6.05	5.55
Total Xylenes	1200	ND	ND	ND	6.3	5.4	6.05	5.55
Toluene	1500	ND	ND	ND	6.3	5.4	6.05	5.55
Trichloroethene	-	ND	ND	ND	6.3	5.4	6.05	5.55
Vinyl Chloride	200	ND	ND	ND	6.3	5.4	6.05	5.55
Total Non-Targeted Peaks		14.6 C	8.97 C	8.93 C	14.2 C	8.75	6.78	14.1

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-1 5.0 - 5.5' 4841-013 8/10/2000 Soil	S3-2 6.5 - 7.0' 4841-014 8/10/2000 Soil	S3-3 6.0 - 6.5' 4841-015 8/10/2000 Soil	S3-4 6.5 - 7.0' 4841-016 8/10/2000 Soil	S3-5 3'-3.5' 5410-001 9/1/2000 Soil	S3-5 6.5'-7' 5410-003 9/1/2000 Soil	S3-6 6.5'-7' 5410-002 9/1/2000 Soil
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
SVOCs (ppb)		ND	ND	ND	ND	--	--	--
Total Targeted Compounds								
2-Methylnaphthalene	36400	78.9	75.7	72.9	79.2	--	--	--
Acenaphthene	50000	78.9	75.7	72.9	79.2	--	--	--
Acenaphthylene	41000	78.9	75.7	72.9	79.2	--	--	--
Anthracene	50000	78.9	75.7	72.9	79.2	--	--	--
Benzo[a]anthracene	224	78.9	75.7	72.9	79.2	--	--	--
Benzo[a]pyrene	61	78.9	75.7	72.9	79.2	--	--	--
Benzo[b]fluoranthene	1100	78.9	75.7	72.9	79.2	--	--	--
Benzo[g,h,i]perylene	50000	78.9	75.7	72.9	79.2	--	--	--
Benzo[k]fluoranthene	1100	78.9	75.7	72.9	79.2	--	--	--
bis(2-Ethylhexyl)phthalate	50000	78.9	75.7	72.9	79.2	--	--	--
Carbazole	-	78.9	75.7	72.9	79.2	--	--	--
Chrysene	400	78.9	75.7	72.9	79.2	--	--	--
Dibenz[a,h]anthracene	14	78.9	75.7	72.9	79.2	--	--	--
Dibenzofuran	6200	78.9	75.7	72.9	79.2	--	--	--
Diethylphthalate	7100	78.9	75.7	72.9	79.2	--	--	--
Di-n-butylphthalate	8100	78.9	75.7	72.9	79.2	--	--	--
Di-n-octylphthalate	8100	78.9	75.7	72.9	79.2	--	--	--
Fluoranthene	50000	78.9	75.7	72.9	79.2	--	--	--
Fluorene	50000	78.9	75.7	72.9	79.2	--	--	--
Indeno[1,2,3-cd]pyrene	3200	78.9	75.7	72.9	79.2	--	--	--
Naphthalene	13000	78.9	75.7	72.9	79.2	--	--	--
Phenanthrene	50000	78.9	75.7	72.9	79.2	--	--	--
Pyrene	50000	78.9	75.7	72.9	79.2	--	--	--
Total Non-Targeted Peaks:		521	431	430	499	--	--	--

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-16 6-6.5' 6614-001 10/18/2000 Soil	S3-16 9-9.5' 6614-002 10/18/2000 Soil	S3-16-1 8.5-9' AB17950 10/30/2000 Soil	S3-16-1 8.5-9' 6842-014 10/30/2000 Soil	S3-17 5-5.5' 6614-004 10/18/2000 Soil	S3-18 5-5.5' 6614-006 10/18/2000 Soil	S3-19 6-6.5' 6614-006 10/18/2000 Soil
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)								
Total Targeted Compounds		22.95 J	327 J	1.02	13.3 J	1.71 J	ND	ND
1,2,4-Trichlorobenzene	3400	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	100	-	-	-	-	-	-	-
2-Butanone(MEK)	300	-	-	ND	-	-	-	-
4-Isopropyltoluene	100	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	1000	-	-	ND	-	-	-	-
Acetone	200	-	-	ND	-	-	-	-
Benzene	60	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1700	ND	ND	ND	ND	ND	ND	ND
Chloroform	300	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	-	-	-	ND	-	-	-	-
Ethylbenzene	5500	2.95 J	44 J	0.16	ND	ND	ND	ND
Isopropylbenzene	100	-	-	-	-	-	-	-
Methylene Chloride	100	ND	ND	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	-	-	-	-	-	-	-	-
Naphthalene	200	-	-	-	-	-	-	-
n-Butylbenzene	100	-	-	-	-	-	-	-
n-propylbenzene	100	-	-	-	-	-	-	-
sec-butylbenzene	100	-	-	-	-	-	-	-
tert-Butylbenzene	100	-	-	-	-	-	-	-
Tetrachloroethene	1400	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1200	20	283	0.86*	13.3 J	ND	ND	ND
Toluene	1500	ND	ND	ND	ND	1.71 J	ND	ND
Trichloroethene	-	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks		-	-	-	-	-	-	-

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-16 6-6.5' 6614-001 10/18/2000 Soil		S3-16 9-9.5' 6614-002 10/18/2000 Soil		S3-16-1 8.5-9' AB17950 10/30/2000 Soil		S3-16-1 8.5-9' 6842-014 10/30/2000 Soil		S3-17 5-5.5' 6614-004 10/18/2000 Soil		S3-18 5-5.5' 6614-006 10/18/2000 Soil		S3-19 6-6.5' 6614-006 10/18/2000 Soil	
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q
Total Targeted Compounds			-	-	-	-	-	411.4	J	-	-	-	-	-	-	-
2-Methylnaphthalene		36400	-	-	-	-	-	82.4	J	109	-	-	-	-	-	-
Acenaphthene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Acenaphthylene		41000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Anthracene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Benzo[a]anthracene		224	-	-	-	-	-	ND		109	-	-	-	-	-	-
Benzo[a]pyrene		61	-	-	-	-	-	ND		109	-	-	-	-	-	-
Benzo[b]fluoranthene		1100	-	-	-	-	-	ND		109	-	-	-	-	-	-
Benzo[g,h,i]perylene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Benzo[k]fluoranthene		1100	-	-	-	-	-	ND		109	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Carbazole		-	-	-	-	-	-	ND		109	-	-	-	-	-	-
Chrysene		400	-	-	-	-	-	ND		109	-	-	-	-	-	-
Dibenz[a,h]anthracene		14	-	-	-	-	-	ND		109	-	-	-	-	-	-
Dibenzofuran		6200	-	-	-	-	-	ND		109	-	-	-	-	-	-
Diethylphthalate		7100	-	-	-	-	-	ND		109	-	-	-	-	-	-
Di-n-butylphthalate		8100	-	-	-	-	-	ND		109	-	-	-	-	-	-
Di-n-octylphthalate		8100	-	-	-	-	-	ND		109	-	-	-	-	-	-
Fluoranthene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Fluorene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene		3200	-	-	-	-	-	ND		109	-	-	-	-	-	-
Naphthalene		13000	-	-	-	-	-	329		109	-	-	-	-	-	-
Phenanthrene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Pyrene		50000	-	-	-	-	-	ND		109	-	-	-	-	-	-
Total Non-Targeted Peaks:			-	-	-	-	-	-		-	-	-	-	-	-	-

Tab A
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-20 5.5-6' 6614-007 10/18/2000 Soil		S3-21 5.5-6' 6614-008 10/18/2000 Soil		S3-23 6-6.5' 6614-011 10/19/2000 Soil		S3-24 6-6.5' 6614-012 10/19/2000 Soil		S3-25 5.5-6' 6614-013 10/19/2000 Soil		S3-26 7-8' 6614-018 10/19/2000 Soil		S3-28 0-0.5' 6614-019 10/19/2000 Soil		
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
VOCs (ppb)																
Total Targeted Compounds		ND		ND		ND		ND		1.33	J		ND		ND	
1,2,4-Trichlorobenzene	3400	-		-		-		-		-			-		-	
1,3,5-Trimethylbenzene	100	-		-		-		-		-			-		-	
2-Butanone(MEK)	300	-		-		-		-		-			-		-	
4-Isopropyltoluene	100	-		-		-		-		-			-		-	
4-Methyl-2-pentanone (MIBK)	1000	-		-		-		-		-			-		-	
Acetone	200	-		-		-		-		-			-		-	
Benzene	60	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Chlorobenzene	1700	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Chloroform	300	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
cis-1,2-Dichloroethane	-	-		-		-		-		-			-		-	
Ethylbenzene	5500	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Isopropylbenzene	100	-		-		-		-		-			-		-	
Methylene Chloride	100	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Methyl-t-Butyl Ether (MTBE)	-	-		-		-		-		-			-		-	
Naphthalene	200	-		-		-		-		-			-		-	
n-Butylbenzene	100	-		-		-		-		-			-		-	
n-propylbenzene	100	-		-		-		-		-			-		-	
sec-butylbenzene	100	-		-		-		-		-			-		-	
tert-Butylbenzene	100	-		-		-		-		-			-		-	
Tetrachloroethane	1400	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Total Xylenes	1200	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Toluene	1500	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Trichloroethene	-	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Vinyl Chloride	200	ND	5.5	ND	5.4	5.8	5.35	ND	5.35	ND	5.25	5.55	ND	5.55	6.7	6.7
Total Non-Targeted Peaks		-		-		-		-		-		-	-		-	

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

SVOCs (ppb)	Cifent ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-20		S3-21		S3-23		S3-24		S3-25		S3-26		S3-28	
			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Total Targeted Compounds			--		--		--		--		--		--		--	
2-Methylnaphthalene		36400	--		--		--		--		--		--		--	
Acenaphthene		50000	--		--		--		--		--		--		--	
Acenaphthylene		41000	--		--		--		--		--		--		--	
Anthracene		50000	--		--		--		--		--		--		--	
Benzo(a)anthracene		224	--		--		--		--		--		--		--	
Benzo(a)pyrene		61	--		--		--		--		--		--		--	
Benzo(b)fluoranthene		1100	--		--		--		--		--		--		--	
Benzo(g,h,i)perylene		50000	--		--		--		--		--		--		--	
Benzo(k)fluoranthene		1100	--		--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate		50000	--		--		--		--		--		--		--	
Carbazole		~	--		--		--		--		--		--		--	
Chrysene		400	--		--		--		--		--		--		--	
Dibenz(a,h)anthracene		14	--		--		--		--		--		--		--	
Dibenzofuran		6200	--		--		--		--		--		--		--	
Diethylphthalate		7100	--		--		--		--		--		--		--	
Di-n-butylphthalate		8100	--		--		--		--		--		--		--	
Di-n-octylphthalate		8100	--		--		--		--		--		--		--	
Fluoranthene		50000	--		--		--		--		--		--		--	
Fluorene		50000	--		--		--		--		--		--		--	
Indeno[1,2,3-cd]pyrene		3200	--		--		--		--		--		--		--	
Naphthalene		13000	--		--		--		--		--		--		--	
Phenanthrene		50000	--		--		--		--		--		--		--	
Pyrene		50000	--		--		--		--		--		--		--	
Total Non-Targeted Peaks:			--		--		--		--		--		--		--	

Table
Summary of Soil Sampling Results
Area 34 - Septic 3
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-30 6-6.5' 6769-001 10/23/2000 Soil		S3-29 0-0.5' 6614-020 10/19/2000 Soil		S3-31 5.5-6' 6769-004 10/24/2000 Soil		FMW-31 4-6' 7178-001 11/7/2000 Soil		FMW-31 6-8' 7178-002 11/7/2000 Soil		FMW-31 8-10' 7178-003 11/7/2000 Soil		Field Blank 4841-011 8/10/2000 Aqueous		
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
VOCs (ppb)																
Total Targeted Compounds		5.99	C	ND		5.58	C	ND		ND		4.67	J	ND		ND
1,2,4-Trichlorobenzene	3400	--		--		--		--		--		--		--		--
1,3,5-Trimethylbenzene	100	--		--		--		--		--		--		--		--
2-Butanone(MEK)	300	--		--		--		--		--		--		--		--
4-Isopropyltoluene	100	--		--		--		--		--		--		--		--
4-Methyl-2-pentanone (MIBK)	1000	--		--		--		--		--		--		--		--
Acetone	200	--		--		--		--		--		--		--		--
Benzene	60	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Chlorobenzene	1700	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Chloroform	300	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
cis-1,2-Dichloroethene	--	--		--		--		--		--		--		--		--
Ethylbenzene	5500	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Isopropylbenzene	100	--		--		--		--		--		--		--		--
Methylene Chloride	100	5.99	C	5.55	7.65	ND	5.35	5.58	C	5.35	5.35	5.58	C	5.35	5.35	5.35
Methyl-t-Butyl Ether (MTBE)	--	--		--		--		--		--		--		--		--
Naphthalene	200	--		--		--		--		--		--		--		--
n-Butylbenzene	100	--		--		--		--		--		--		--		--
n-propylbenzene	100	--		--		--		--		--		--		--		--
sec-butylbenzene	100	--		--		--		--		--		--		--		--
tert-Butylbenzene	100	--		--		--		--		--		--		--		--
Tetrachloroethene	1400	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Total Xylenes	1200	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Toluene	1500	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Trichloroethene	--	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Vinyl Chloride	200	ND	5.55	ND	7.65	ND	5.35	ND	2690	ND	1100	ND	5.75	ND	5	5
Total Non-Targeted Peaks		--		--		--		--		--		--		--		--

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S3-30 6-6.5' 6769-001 10/23/2000 Soil	S3-29 0-0.5' 6614-020 10/19/2000 Soil	S3-31 5.5-6' 6769-004 10/24/2000 Soil	FMW-31 4-6' 7178-001 11/7/2000 Soil	FMW-31 6-8' 7178-002 11/7/2000 Soil	FMW-31 8-10' 7178-003 11/7/2000 Soil	Field Blank 4841-011 8/10/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
SVOCs (ppb)								
Total Targeted Compounds		--	--	--	--	--	--	--
2-Methylnaphthalene	36400	--	--	--	--	--	--	--
Acenaphthene	50000	--	--	--	--	--	--	--
Acenaphthylene	41000	--	--	--	--	--	--	--
Anthracene	50000	--	--	--	--	--	--	--
Benzo[a]anthracene	224	--	--	--	--	--	--	--
Benzo[a]pyrene	61	--	--	--	--	--	--	--
Benzo[b]fluoranthene	1100	--	--	--	--	--	--	--
Benzo[g,h,i]perylene	50000	--	--	--	--	--	--	--
Benzo[k]fluoranthene	1100	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--	--
Chrysene	400	--	--	--	--	--	--	--
Dibenz[a,h]anthracene	14	--	--	--	--	--	--	--
Dibenzofuran	6200	--	--	--	--	--	--	--
Diethylphthalate	7100	--	--	--	--	--	--	--
Di-n-butylphthalate	8100	--	--	--	--	--	--	--
Di-n-octylphthalate	8100	--	--	--	--	--	--	--
Fluoranthene	50000	--	--	--	--	--	--	--
Fluorene	50000	--	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	3200	--	--	--	--	--	--	--
Naphthalene	13000	--	--	--	--	--	--	--
Phenanthrene	50000	--	--	--	--	--	--	--
Pyrene	50000	--	--	--	--	--	--	--
Total Non-Targeted Peaks:		--	--	--	--	--	--	--

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	Trip Blank		Field Blank		Trip Blank		Field Blank		Trip Blank		Field Blank	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)													
Total Targeted Compounds		ND		ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	3400	-		-		-		-		-		-	
1,3,5-Trimethylbenzene	100	-		-		-		-		-		-	
2-Butanone(MEK)	300	-		-		-		-		-		-	
4-Isopropyltoluene	100	-		-		-		-		-		-	
4-Methyl-2-pentanone (MIBK)	1000	-		-		-		-		-		-	
Acetone	200	-		-		-		-		-		-	
Benzene	60	ND	5	ND	0.430	5	ND	0.430	5	ND	5	ND	0.28
Chlorobenzene	1700	ND	5	ND	0.400	5	ND	0.400	5	ND	5	ND	0.37
Chloroform	300	ND	5	ND	0.260	5	ND	0.260	5	ND	5	ND	0.37
cis-1,2-Dichloroethene	-	-		-		-		-		-		-	
Ethylbenzene	5500	ND	5	ND	0.470	5	ND	0.470	5	ND	5	ND	0.2
Isopropylbenzene	100	-		-		-		-		-		-	
Methylene Chloride	100	ND	5	ND	0.950	5	ND	0.950	5	ND	5	ND	1.93
Methyl-t-Butyl Ether (MTBE)	-	-		-		-		-		-		-	
Naphthalene	200	-		-		-		-		-		-	
n-Butylbenzene	100	-		-		-		-		-		-	
n-propylbenzene	100	-		-		-		-		-		-	
sec-butylbenzene	100	-		-		-		-		-		-	
tert-Butylbenzene	100	-		-		-		-		-		-	
Tetrachloroethene	1400	ND	5	ND	0.980	5	ND	0.980	5	ND	5	ND	0.31
Total Xylenes	1200	ND	5	ND	1.43	5	ND	1.43	5	ND	5	ND	0.79
Toluene	1500	ND	5	ND	0.450	5	ND	0.450	5	ND	5	ND	0.34
Trichloroethene	-	ND	5	ND	0.470	5	ND	0.470	5	ND	5	ND	0.59
Vinyl Chloride	200	ND	5	ND	0.540	5	ND	0.540	5	ND	5	ND	1.11
Total Non-Targeted Peaks		ND		ND		ND		ND		ND		ND	

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	Trip Blank	Field Blank	Trip Blank	Field Blank	Trip Blank	Field Blank	Trip Blank	Field Blank
		4841-012 8/10/2000 Aqueous Conc Q MDL	6069-001 9/29/2000 Aqueous Conc Q MDL	6069-003 9/29/2000 Aqueous Conc Q MDL	6614-009 10/18/2000 Aqueous Conc Q MDL	6842-011 10/30/2000 Aqueous Conc Q MDL	6842-012 10/30/2000 Aqueous Conc Q MDL	6769-011 10/25/2000 Aqueous Conc Q MDL	
SVOCs (ppb)									
Total Targeted Compounds		-	-	-	-	-	-	-	-
2-Methylnaphthalene	36400	-	-	-	-	-	-	-	-
Acenaphthene	50000	-	-	-	-	-	-	-	-
Acenaphthylene	41000	-	-	-	-	-	-	-	-
Anthracene	50000	-	-	-	-	-	-	-	-
Benzo[a]anthracene	224	-	-	-	-	-	-	-	-
Benzo[a]pyrene	61	-	-	-	-	-	-	-	-
Benzo[b]fluoranthene	1100	-	-	-	-	-	-	-	-
Benzo[g,h,i]perylene	50000	-	-	-	-	-	-	-	-
Benzo[k]fluoranthene	1100	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	50000	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-
Chrysene	400	-	-	-	-	-	-	-	-
Dibenz[a,h]anthracene	14	-	-	-	-	-	-	-	-
Dibenzofuran	6200	-	-	-	-	-	-	-	-
Diethylphthalate	7100	-	-	-	-	-	-	-	-
Di-n-butylphthalate	8100	-	-	-	-	-	-	-	-
Di-n-octylphthalate	8100	-	-	-	-	-	-	-	-
Fluoranthene	50000	-	-	-	-	-	-	-	-
Fluorene	50000	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	3200	-	-	-	-	-	-	-	-
Naphthalene	13000	-	-	-	-	-	-	-	-
Phenanthrene	50000	-	-	-	-	-	-	-	-
Pyrene	50000	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks:		-	-	-	-	-	-	-	-

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	Trip Blank		Field Blank		Trip Blank	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)							
Total Targeted Compounds		ND		ND		ND	
1,2,4-Trichlorobenzene	3400	--	--	--	--	--	--
1,3,5-Trimethylbenzene	100	--	--	--	--	--	--
2-Butanone(MEK)	300	--	--	--	--	--	--
4-Isopropyltoluene	100	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	1000	--	--	--	--	--	--
Acetone	200	--	--	--	--	--	--
Benzene	60	ND	0.28	ND	0.430	ND	0.43
Chlorobenzene	1700	ND	0.37	ND	0.400	ND	0.4
Chloroform	300	ND	0.37	ND	0.260	ND	0.26
cis-1,2-Dichloroethene	--	--	--	--	--	--	--
Ethylbenzene	5500	ND	0.2	ND	0.470	ND	0.47
Isopropylbenzene	100	--	--	--	--	--	--
Methylene Chloride	100	ND	1.93	ND	0.950	ND	0.95
Methyl-t-Butyl Ether (MTBE)	--	--	--	--	--	--	--
Naphthalene	200	--	--	--	--	--	--
n-Butylbenzene	100	--	--	--	--	--	--
n-propylbenzene	100	--	--	--	--	--	--
sec-butylbenzene	100	--	--	--	--	--	--
tert-Butylbenzene	100	--	--	--	--	--	--
Tetrachloroethene	1400	ND	0.31	ND	0.980	ND	0.98
Total Xylenes	1200	ND	0.79	ND	1.43	ND	1.43
Toluene	1500	ND	0.34	ND	0.450	ND	0.45
Trichloroethene	--	ND	0.59	ND	0.470	ND	0.47
Vinyl Chloride	200	ND	1.11	ND	0.540	ND	0.54
Total Non-Targeted Peaks		--	--	--	--	--	--

Table
 Summary of Soil Sampling Results
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	Trip Blank		Field Blank		Trip Blank	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)							
Total Targeted Compounds		-	-	-	-	-	-
2-Methylnaphthalene	36400	-	-	-	-	-	-
Acenaphthene	50000	-	-	-	-	-	-
Acenaphthylene	41000	-	-	-	-	-	-
Anthracene	50000	-	-	-	-	-	-
Benzo[a]anthracene	224	-	-	-	-	-	-
Benzo[a]pyrene	61	-	-	-	-	-	-
Benzo[b]fluoranthene	1100	-	-	-	-	-	-
Benzo[g,h,i]perylene	50000	-	-	-	-	-	-
Benzo[k]fluoranthene	1100	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	50000	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-
Chrysene	400	-	-	-	-	-	-
Dibenz[a,h]anthracene	14	-	-	-	-	-	-
Dibenzofuran	6200	-	-	-	-	-	-
Diethylphthalate	7100	-	-	-	-	-	-
Di-n-butylphthalate	8100	-	-	-	-	-	-
Di-n-octylphthalate	8100	-	-	-	-	-	-
Fluoranthene	50000	-	-	-	-	-	-
Fluorene	50000	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	3200	-	-	-	-	-	-
Naphthalene	13000	-	-	-	-	-	-
Phenanthrene	50000	-	-	-	-	-	-
Pyrene	50000	-	-	-	-	-	-
Total Non-Targeted Peaks:		-	-	-	-	-	-

Table
 Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S3-4W 4841-017 8/10/2000 Aqueous	S3-6W 5410-004 9/1/2000 Aqueous	S3-7W 6069-007 9/29/2000 Aqueous	S3-8W 6069-004 9/29/2000 Aqueous	S3-9W 6069-005 9/29/2000 Aqueous	S3-10W 6069-006 9/27/2000 Aqueous	S3-11W 6069-008 9/28/2000 Aqueous
	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
VOCs (ppb)								
Total Targeted Compounds		17	55.74	ND	1.17	92.7	ND	21.85
1,2,4-Trichlorobenzene	5	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	5	-	-	-	-	-	-	-
2-Butanone(MEK)	50	-	-	-	-	-	-	-
4-Isopropyltoluene	5	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	50	-	-	-	-	-	-	-
Acetone	1	ND	ND	ND	ND	ND	ND	ND
Benzene	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	7	ND	ND	ND	ND	ND	ND	ND
Chloroform	5	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	-	-	-	-	-	-	-
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	10	-	-	-	-	-	-	-
Naphthalene	10	-	-	-	-	-	-	-
n-Butylbenzene	5	-	-	-	-	-	-	-
n-propylbenzene	5	-	-	-	-	-	-	-
sec-butylbenzene	5	-	-	-	-	-	-	-
tert-Butylbenzene	5	-	-	-	-	-	-	-
Tetrachloroethene	5	14.2	49.1	ND	1.17	77.5	ND	19.6
Total Xylenes	5	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	2.8	6.64	ND	ND	15.2	ND	2.25
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks		11.4	ND	ND	ND	14	ND	ND

Table
 Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S3-4W 4841-017 8/10/2000 Aqueous	S3-5W 5410-004 9/1/2000 Aqueous	S3-7W 6069-007 9/29/2000 Aqueous	S3-8W 6069-004 9/29/2000 Aqueous	S3-9W 6069-005 9/29/2000 Aqueous	S3-10W 6069-006 9/27/2000 Aqueous	S3-11W 6069-008 9/28/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
SVOCs (ppb)								
Total Targeted Compounds		1.68						
2-Methylnaphthalene	~	ND	0.36					
Acenaphthene	20	ND	0.22					
Acenaphthylene	~	ND	0.36					
Anthracene	50	ND	0.36					
Benzo[a]anthracene	0.002	ND	0.5					
Benzo[a]pyrene	ND	ND	0.68					
Benzo[b]fluoranthene	0.002	ND	1.1					
Benzo[g,h,i]perylene	~	ND	1.1					
Benzo[k]fluoranthene	0.002	ND	1.38					
bis(2-Ethylhexyl)phthalate	5	ND	1.46					
Carbazole	~	ND	0.58					
Chrysene	0.002	ND	0.8					
Dibenz[a,h]anthracene	~	ND	0.84					
Dibenzofuran	~	ND	0.34					
Diethylphthalate	50	1.68	0.6					
Di-n-butylphthalate	50	ND	0.96					
Di-n-octylphthalate	50	ND	1.26					
Fluoranthene	50	ND	0.82					
Fluorene	50	ND	0.74					
Indeno[1,2,3-cd]pyrene	0.002	ND	1.24					
Naphthalene	10	ND	0.26					
Phenanthrene	50	ND	0.3					
Pyrene	50	ND	0.52					
Total Non-Targeted Peaks:		8.4						

Table
 Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S3-12W Conc Q MDL Aqueous	S3-13W Conc Q MDL Aqueous	S3-14W Conc Q MDL Aqueous	S3-15W Conc Q MDL Aqueous	S3-16W Conc Q MDL Aqueous	S3-17W Conc Q MDL Aqueous	S3-21W Conc Q MDL Aqueous
VOCs (ppb)								
Total Targeted Compounds		5.17 J	1.77 J	ND	ND	44.7	24.62	ND
1,2,4-Trichlorobenzene	5	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	5	-	-	-	-	-	-	-
2-Butanone(MEK)	50	-	-	-	-	-	-	-
4-Isopropyltoluene	5	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	-	-	-	-	-	-	-	-
Acetone	50	-	-	-	-	-	-	-
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	-	-	-	-	-	-	-
Ethylbenzene	5	ND	ND	ND	ND	6.20	ND	ND
Isopropylbenzene	5	-	-	-	-	-	-	-
Methylene Chloride	5	-	-	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	-	-	-	-	-	-	-
n-Butylbenzene	10	-	-	-	-	-	-	-
n-propylbenzene	5	-	-	-	-	-	-	-
sec-butylbenzene	5	-	-	-	-	-	-	-
tert-Butylbenzene	5	-	-	-	-	-	-	-
Tetrachloroethene	5	3.73 J	1.77 J	ND	ND	ND	22.5	0.980
Total Xylenes	5	ND	ND	ND	ND	32.8	ND	ND
Toluene	5	ND	ND	ND	ND	0.968	ND	ND
Trichloroethene	5	1.44 J	ND	ND	ND	4.74	2.12	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks		ND	ND	ND	ND	-	-	-

Table
**Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York**

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S3-12W	S3-13W	S3-14W	S3-15W	S3-16W	S3-17W	S3-21W
		6069-009 9/28/2000 Aqueous Conc Q MDL	6069-010 9/28/2000 Aqueous Conc Q MDL	6069-011 9/28/2000 Aqueous Conc Q MDL	6069-012 9/28/2000 Aqueous Conc Q MDL	6614-003 10/18/2000 Aqueous Conc Q MDL	6614-005 10/18/2000 Aqueous Conc Q MDL	6769-003 10/24/2000 Aqueous Conc Q MDL
SVOCs (ppb)								
Total Targeted Compounds								
2-Methylnaphthalene	-							
Acenaphthene	20							
Acenaphthylene	-							
Anthracene	50							
Benzo[a]anthracene	0.002							
Benzo[a]pyrene	ND							
Benzo[b]fluoranthene	0.002							
Benzo[g,h,i]perylene	-							
Benzo[k]fluoranthene	0.002							
bis(2-Ethylhexyl)phthalate	5							
Carbazole	-							
Chrysene	0.002							
Dibenz[a,h]anthracene	-							
Dibenzofuran	-							
Diethylphthalate	50							
Di-n-butylphthalate	50							
Di-n-octylphthalate	50							
Fluoranthene	50							
Fluorene	50							
Indeno[1,2,3-cd]pyrene	0.002							
Naphthalene	10							
Phenanthrene	50							
Pyrene	50							
Total Non-Targeted Peaks:								

Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S3-22W		S3-27W		S3-30W		S3-31W		Field Blank		Trip Blank		Field Blank		
			Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc
Total Targeted Compounds			79.15	J	ND	0.522	0.522	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone(MEK)		50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)		50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone		1	ND	0.430	ND	0.430	0.28	0.28	ND	0.28	ND	ND	ND	ND	ND	ND	5
Benzene		5	ND	0.400	ND	0.400	0.37	0.37	ND	0.37	ND	ND	ND	ND	ND	ND	5
Chlorobenzene		7	ND	0.260	ND	0.260	0.37	0.37	ND	0.37	ND	ND	ND	ND	ND	ND	5
Chloroform		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene		5	ND	0.470	ND	0.470	0.2	0.2	ND	0.2	ND	ND	ND	ND	ND	ND	5
Ethylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride		5	ND	0.950	ND	0.950	1.93	1.93	ND	1.93	ND	ND	ND	ND	ND	ND	5
Methyl-t-Butyl Ether (MTBE)		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene		5	74.4	0.960	ND	0.960	0.31	0.31	ND	0.31	ND	ND	ND	ND	ND	ND	5
Total Xylenes		5	ND	1.43	ND	1.43	0.79	0.79	ND	0.79	ND	ND	ND	ND	ND	ND	5
Toluene		5	ND	0.450	ND	0.450	0.34	0.34	ND	0.34	ND	ND	ND	ND	ND	ND	5
Trichloroethene		5	4.75	0.470	ND	0.470	0.59	0.59	ND	0.59	ND	ND	ND	ND	ND	ND	5
Vinyl Chloride		2	ND	0.540	ND	0.540	1.11	1.11	ND	1.11	ND	ND	ND	ND	ND	ND	5
Total Non-Targeted Peaks			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table
 Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S3-22W 6614-017 10/19/2000 Aqueous Conc Q MDL	S3-27W 6614-016 10/19/2000 Aqueous Conc Q MDL	S3-30W 6769-002 10/23/2000 Aqueous Conc Q MDL	S3-31W 6769-007 10/25/2000 Aqueous Conc Q MDL	Field Blank 4841-011 8/10/2000 Aqueous Conc Q MDL	Trip Blank 4841-012 8/10/2000 Aqueous Conc Q MDL	Field Blank 6069-001 9/29/2000 Aqueous Conc Q MDL
SVOCs (ppb)								
Total Targeted Compounds								
2-Methylnaphthalene	~							
Acenaphthene	20							
Acenaphthylene	~							
Anthracene	50							
Benzo[a]anthracene	0.002							
Benzo[a]pyrene	ND							
Benzo[b]fluoranthene	0.002							
Benzo[g,h,i]perylene	~							
Benzo[k]fluoranthene	0.002							
bis(2-Ethylhexyl)phthalate	5							
Carbazole	~							
Chrysene	0.002							
Dibenz[a,h]anthracene	~							
Dibenzofuran	~							
Diethylphthalate	50							
Di-n-butylphthalate	50							
Di-n-octylphthalate	50							
Fluoranthene	50							
Fluorene	50							
Indeno[1,2,3-cd]pyrene	0.002							
Naphthalene	10							
Phenanthrene	50							
Pyrene	50							
Total Non-Targeted Peaks:								

Table 1
Summary of Groundwater Sampling Results Temporary Well Points
Area 34 - Septic 3
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	Trip Blank		Field Blank		Trip Blank		Field Blank		Trip Blank		Field Blank	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)													
Total Targeted Compounds		ND		ND		ND		ND		ND		0.651	
1,2,4-Trichlorobenzene	5	-		-		-		-		-		-	
1,3,5-Trimethylbenzene	5	-		-		-		-		-		-	
2-Butanone(MEK)	50	-		-		-		-		-		-	
4-Isopropyltoluene	5	-		-		-		-		-		-	
4-Methyl-2-pentanone (MIBK)	~	-		-		-		-		-		-	
Acetone	50	-		-		-		-		-		-	
Benzene	1	ND	5	ND	5	ND	5	ND	0.430	ND	0.430	ND	0.28
Chlorobenzene	5	ND	5	ND	5	ND	5	ND	0.400	ND	0.400	ND	0.37
Chloroform	7	ND	5	ND	5	ND	5	ND	0.260	ND	0.260	ND	0.37
cis-1,2-Dichloroethene	5	-		-		-		-		-		-	
Ethylbenzene	5	ND	5	ND	5	ND	5	ND	0.470	ND	0.470	ND	0.2
Isopropylbenzene	5	-		-		-		-		-		-	
Methylene Chloride	5	ND	5	ND	5	ND	5	ND	0.950	ND	0.950	ND	1.93
Methyl-t-Butyl Ether (MTBE)	10	-		-		-		-		-		-	
Naphthalene	10	-		-		-		-		-		-	
n-Butylbenzene	5	-		-		-		-		-		-	
n-propylbenzene	5	-		-		-		-		-		-	
sec-butylbenzene	5	-		-		-		-		-		-	
tert-Butylbenzene	5	-		-		-		-		-		-	
Tetrachloroethene	5	ND	5	ND	5	ND	5	ND	0.980	ND	0.980	ND	0.31
Total Xylenes	5	ND	5	ND	5	ND	5	ND	1.43	ND	1.43	ND	0.79
Toluene	5	ND	5	ND	5	ND	5	ND	0.450	ND	0.450	0.651	0.34
Trichloroethene	5	ND	5	ND	5	ND	5	ND	0.470	ND	0.470	ND	0.59
Vinyl Chloride	2	ND	5	ND	5	ND	5	ND	0.540	ND	0.540	ND	1.11
Total Non-Targeted Peaks		ND		ND		ND		ND		ND		-	

Table
 Summary of Groundwater Sampling Results Temporary Well Points
 Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	Trip Blank 6069-003 9/29/2000 Aqueous Conc Q MDL	Field Blank 6069-001 9/27/2000 Aqueous Conc Q MDL	Trip Blank 6069-003 9/27/2000 Aqueous Conc Q MDL	Field Blank 6614-009 10/18/2000 Aqueous Conc Q MDL	Field Blank 6769-011 10/25/2000 Aqueous Conc Q MDL	Trip Blank 6769-016 10/25/2000 Aqueous Conc Q MDL
SVOCs (ppb)							
Total Targeted Compounds		-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-
Acenaphthene	20	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-
Anthracene	50	-	-	-	-	-	-
Benzo[a]anthracene	0.002	-	-	-	-	-	-
Benzo[a]pyrene	ND	-	-	-	-	-	-
Benzo[b]fluoranthene	0.002	-	-	-	-	-	-
Benzo[g,h,i]perylene	-	-	-	-	-	-	-
Benzo[k]fluoranthene	0.002	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	5	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-
Chrysene	0.002	-	-	-	-	-	-
Dibenz[a,h]anthracene	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-
Diethylphthalate	50	-	-	-	-	-	-
Di-n-butylphthalate	50	-	-	-	-	-	-
Di-n-octylphthalate	50	-	-	-	-	-	-
Fluoranthene	50	-	-	-	-	-	-
Fluorene	50	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	0.002	-	-	-	-	-	-
Naphthalene	10	-	-	-	-	-	-
Phenanthrene	50	-	-	-	-	-	-
Pyrene	50	-	-	-	-	-	-
Total Non-Targeted Peaks:		-	-	-	-	-	-

Table
Summary of Groundwater Sampling Results Permanent Monitoring Wells Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-12W		FMW-12		FMW-31		FMW-32		FMW-33	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		57.15	J	106.31		6.11		13.67		ND	
Total Targeted Compounds											
1,2,4-Trichlorobenzene	5			ND	0.23						
1,3,5-Trimethylbenzene	5										
2-Butanone(MEK)	50			ND	0.41						
4-Isopropyltoluene	5										
4-Methyl-2-pentanone (MIBK)				ND	0.25						
Acetone	50			ND	0.7						
Benzene	1	ND	5.00	ND	0.25	ND	0.43	ND	0.43	ND	0.43
Chlorobenzene	5	ND	5.00	ND	0.28	ND	0.4	ND	0.4	ND	0.4
Chloroform	7	ND	5.00	ND	0.28	ND	0.26	ND	0.26	ND	0.26
cis-1,2-Dichloroethene	5			2.07	0.3			ND		ND	
Ethylbenzene	5	ND	5.00	ND	0.3	ND	0.47	ND	0.47	ND	0.47
Isopropylbenzene	5			ND	0.3						
Methylene Chloride	5	ND	5.00	ND	1.91	ND	0.95	ND	0.95	ND	0.95
Methyl-t-Butyl Ether (MTBE)	10			0.95	0.63						
Naphthalene	10										
n-Butylbenzene	5										
n-propylbenzene	5										
sec-butylbenzene	5										
tert-Butylbenzene	5										
Tetrachloroethene	5	53.9	5.00	99.4	0.39	4.38	0.98	11.7	0.98	ND	0.98
Total Xylenes	5	ND	5.00	ND	0.88	ND	1.43	ND	1.43	ND	1.43
Toulene	5	ND	5.00	ND	0.3	ND	0.45	ND	0.45	ND	0.45
Trichloroethene	5	3.25	J	3.89	0.36	1.73	0.47	1.97	0.47	ND	0.47
Vinyl Chloride	2	ND	5.00	ND	0.39	ND	0.54	ND	0.54	ND	0.54
Total Non-Targeted Peaks		16.9		27.8							

Summary of Groundwater Sampling Results Permanent Monitoring Wells Area 34 - Septic 3
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-12W		FMW-12		FMW-31		FMW-32		FMW-33	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)		--	--	ND	ND	0.597	4.28	ND	4.28	ND	ND
Total Targeted Compounds		--	--	ND	ND	0.597	4.28	ND	4.28	ND	ND
2-Methylnaphthalene	~	--	--	ND	0.18	ND	0.18	ND	0.18	ND	0.18
Acenaphthene	20	--	--	ND	0.11	ND	0.11	ND	0.11	ND	0.11
Acenaphthylene	--	--	--	ND	0.18	ND	0.18	ND	0.18	ND	0.18
Anthracene	50	--	--	ND	0.18	ND	0.18	ND	0.18	ND	0.18
Benzo[a]anthracene	0.002	--	--	ND	0.25	ND	0.25	ND	0.25	ND	0.25
Benzo[a]pyrene	ND	--	--	ND	0.34	ND	0.34	ND	0.34	ND	0.34
Benzo[b]fluoranthene	0.002	--	--	ND	0.55	ND	0.55	ND	0.55	ND	0.55
Benzo[g,h,i]perylene	~	--	--	ND	0.55	ND	0.55	ND	0.55	ND	0.55
Benzo[k]fluoranthene	0.002	--	--	ND	0.69	ND	0.69	ND	0.69	ND	0.69
bis(2-Ethylhexyl)phthalate	5	--	--	ND	0.73	ND	0.73	4.28	0.73	ND	0.73
Carbazole	--	--	--	ND	0.29	ND	0.29	ND	0.29	ND	0.29
Chrysene	0.002	--	--	ND	0.4	ND	0.4	ND	0.4	ND	0.4
Dibenz[a,h]anthracene	--	--	--	ND	0.42	ND	0.42	ND	0.42	ND	0.42
Dibenzofuran	--	--	--	ND	0.17	ND	0.17	ND	0.17	ND	0.17
Diethylphthalate	50	--	--	ND	0.3	0.597	0.3	ND	0.3	ND	0.3
Di-n-butylphthalate	50	--	--	ND	0.48	ND	0.48	ND	0.48	ND	0.48
Di-n-octylphthalate	50	--	--	ND	0.63	ND	0.63	ND	0.63	ND	0.63
Fluoranthene	50	--	--	ND	0.41	ND	0.41	ND	0.41	ND	0.41
Fluorene	50	--	--	ND	0.37	ND	0.37	ND	0.37	ND	0.37
Indeno[1,2,3-cd]pyrene	0.002	--	--	ND	0.62	ND	0.62	ND	0.62	ND	0.62
Naphthalene	10	--	--	ND	0.13	ND	0.13	ND	0.13	ND	0.13
Phenanthrene	50	--	--	ND	0.15	ND	0.15	ND	0.15	ND	0.15
Pyrene	50	--	--	ND	0.26	ND	0.26	ND	0.26	ND	0.26
Total Non-Targeted Peaks:		--	--	20.6	--	--	--	--	--	--	--

Tab. 3
 Summary of Groundwater Sampling Results Permanent Monitoring Wells Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-34 7646-007 11/30/00 Aqueous	FMW-35 7646-006 11/30/00 Aqueous	FMW-36 7646-005 11/30/00 Aqueous	FMW-37 7646-011 12/1/00 Aqueous
VOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		1.11	10.221	20.24	4.498
1,2,4-Trichlorobenzene	5	--	--	--	--
1,3,5-Trimethylbenzene	5	--	--	--	--
2-Butanone(MEK)	50	--	--	--	--
4-Isopropyltoluene	5	--	--	--	--
4-Methyl-2-pentanone (MIBK)	--	--	--	--	--
Acetone	50	--	--	--	--
Benzene	1	ND 0.43	ND 0.43	ND 0.43	ND 0.43
Chlorobenzene	5	ND 0.4	ND 0.4	ND 0.4	ND 0.4
Chloroform	7	ND 0.26	ND 0.26	ND 0.26	ND 0.26
cis-1,2-Dichloroethene	5	ND --	ND --	ND --	ND --
Ethylbenzene	5	ND 0.47	ND 0.47	ND 0.47	ND 0.47
Isopropylbenzene	5	--	--	--	--
Methylene Chloride	5	ND 0.95	ND 0.95	ND 0.95	ND 0.95
Methyl-t-Butyl Ether (MTBE)	10	--	--	--	--
Naphthalene	10	--	--	--	--
n-Butylbenzene	5	--	--	--	--
n-propylbenzene	5	--	--	--	--
sec-butylbenzene	5	--	--	--	--
tert-Butylbenzene	5	--	--	--	--
Tetrachloroethene	5	1.11	9.4	18.3	3.69
Total Xylenes	5	ND 1.43	ND 1.43	ND 1.43	ND 1.43
Toluene	5	ND 0.45	ND 0.45	ND 0.45	ND 0.45
Trichloroethene	5	ND 0.47	0.821	1.94	0.808
Vinyl Chloride	2	ND 0.54	ND 0.54	ND 0.54	ND 0.54
Total Non-Targeted Peaks		--	--	--	--

Table 3
 Summary of Groundwater Sampling Results Permanent Monitoring Wells Area 34 - Septic 3
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-34		FMW-35		FMW-36		FMW-37	
		7646-007 11/30/00 Aqueous	Conc Q MDL	7646-006 11/30/00 Aqueous	Conc Q MDL	7646-005 11/30/00 Aqueous	Conc Q MDL	7646-011 12/1/00 Aqueous	Conc Q MDL
SVOCs (ppb)									
Total Targeted Compounds		ND	5.95	5.95	1.05	1.05	ND	ND	--
2-Methylnaphthalene	~	ND	ND	ND	ND	ND	ND	ND	0.18
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	0.11
Acenaphthylene	-	ND	ND	ND	ND	ND	ND	ND	0.18
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	0.18
Benzo[a]anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	0.25
Benzo[a]pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.34
Benzo[b]fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	0.55
Benzo[g,h,i]perylene	-	ND	ND	ND	ND	ND	ND	ND	0.55
Benzo[k]fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	0.69
bis(2-Ethylhexyl)phthalate	5	ND	5.95	5.95	1.05	1.05	ND	ND	0.73
Carbazole	-	ND	ND	ND	ND	ND	ND	ND	0.29
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	0.4
Dibenz[a,h]anthracene	-	ND	ND	ND	ND	ND	ND	ND	0.72
Dibenzofuran	-	ND	ND	ND	ND	ND	ND	ND	0.17
Diethylphthalate	50	ND	ND	ND	ND	ND	ND	ND	0.3
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND	ND	0.48
Di-n-octylphthalate	50	ND	ND	ND	ND	ND	ND	ND	0.63
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	0.41
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	0.37
Indeno[1,2,3-cd]pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	0.62
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	0.13
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	0.15
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	0.26
Total Non-Targeted Peaks:		--	--	--	--	--	--	--	--

Tab. A
Summary of Soil Sampling Results
Area 35 - Septic 4
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S4-1 7.0 - 7.5' 4965-001 8/15/2000 Soil		S4-2 7.0 - 7.5' 4965-002 8/15/2000 Soil		S4-3 6.5 - 7.0' 4965-003 8/15/2000 Soil		S4-4 7.0 - 7.5' 4965-004 8/15/2000 Soil		S4-5 7.0 - 7.5' 4965-005 8/15/2000 Soil		S4-6 7.0 - 7.5' 4965-006 8/15/2000 Soil		Field Blank		
		Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q
VOCs (ppb)		ND		6.75	B	5.24	BJ	ND		4.92	BJ	3.17	BJ	ND		4965-009 8/15/2000 Aqueous
Total Targeted Compounds																
1,2,4-Trichlorobenzene	3400	--		--		--		--		--		--		--		
1,3,5-Trimethylbenzene	100	--		--		--		--		--		--		--		
2-Butanone(MEK)	300	--		--		--		--		--		--		--		
4-Isopropyltoluene	100	--		--		--		--		--		--		--		
4-Methyl-2-pentanone (MIBK)	1000	--		--		--		--		--		--		--		
Acetone	200	--		--		--		--		--		--		--		
Benzene	60	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Chlorobenzene	1700	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Chloroform	300	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
cis-1,2-Dichloroethene	--	--		--		--		--		--		--		--		
Ethylbenzene	5500	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Isopropylbenzene	100	--		--		--		--		--		--		--		
Methylene Chloride	100	ND	5.95	6.75	B	5.24	BJ	5.75	6.35	4.92	BJ	3.17	BJ	5.75	5	
Methyl-t-Butyl Ether (MTBE)	--	--		--		--		--		--		--		--		
Naphthalene	200	--		--		--		--		--		--		--		
n-Butylbenzene	100	--		--		--		--		--		--		--		
n-propylbenzene	100	--		--		--		--		--		--		--		
sec-butylbenzene	100	--		--		--		--		--		--		--		
tert-Butylbenzene	100	--		--		--		--		--		--		--		
Tetrachloroethene	1400	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Total Xylenes	1200	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Toluene	1500	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Trichloroethene	--	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Vinyl Chloride	200	ND	5.95	ND	5.85	ND	5.75	ND	6.35	ND	5.95	ND	5.75	ND	5	
Total Non-Targeted Peaks		ND		8.31	B	12.3	B	ND		ND		ND		ND		

Table 1
 Summary of Soil Sampling Results
 Area 35 - Septic 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S4-1 7.0 - 7.5' 4965-001 8/15/2000 Soil	S4-2 7.0 - 7.5' 4965-002 8/15/2000 Soil	S4-3 6.5 - 7.0' 4965-003 8/15/2000 Soil	S4-4 7.0 - 7.5' 4965-004 8/15/2000 Soil	S4-5 7.0 - 7.5' 4965-005 8/15/2000 Soil	S4-6 7.0 - 7.5' 4965-006 8/15/2000 Soil	Field Blank 4965-009 8/15/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
SVOCs (ppb)		1070 B	1080 B	1190 B	1250 B	ND	ND	-
Total Targeted Compounds								
2-Methylnaphthalene	36400	ND	77.9	ND	ND	ND	73.4	-
Acenaphthene	50000	ND	77.9	ND	ND	ND	73.4	-
Acenaphthylene	41000	ND	77.9	ND	ND	ND	73.4	-
Anthracene	50000	ND	77.9	ND	ND	ND	73.4	-
Benzo[a]anthracene	224	ND	77.9	ND	ND	ND	73.4	-
Benzo[a]pyrene	61	ND	77.9	ND	ND	ND	73.4	-
Benzo[b]fluoranthene	1100	ND	77.9	ND	ND	ND	73.4	-
Benzo[g,h,i]perylene	50000	ND	77.9	ND	ND	ND	73.4	-
Benzo[k]fluoranthene	1100	ND	77.9	ND	ND	ND	73.4	-
bis(2-Ethylhexyl)phthalate	50000	ND	77.9	ND	ND	ND	73.4	-
Carbazole	-	ND	77.9	ND	ND	ND	73.4	-
Chrysene	400	ND	77.9	ND	ND	ND	73.4	-
Dibenz[a,h]anthracene	14	ND	77.9	ND	ND	ND	73.4	-
Dibenzofuran	6200	ND	77.9	ND	ND	ND	73.4	-
Diethylphthalate	7100	ND	77.9	ND	ND	ND	73.4	-
Di-n-butylphthalate	8100	ND	77.9	ND	ND	ND	73.4	-
Di-n-octylphthalate	8100	ND	77.9	ND	ND	ND	73.4	-
Fluoranthene	50000	ND	77.9	ND	ND	ND	73.4	-
Fluorene	50000	ND	77.9	ND	ND	ND	73.4	-
Indeno[1,2,3-cd]pyrene	3200	ND	77.9	ND	ND	ND	73.4	-
Naphthalene	13000	ND	77.9	ND	ND	ND	73.4	-
Phenanthrene	50000	ND	77.9	ND	ND	ND	73.4	-
Pyrene	50000	ND	77.9	ND	ND	ND	73.4	-
Total Non-Targeted Peaks:		1070 B	1080 B	1190 B	1250 B	ND	ND	-

Table 3
 Summary of Groundwater Sampling Results
 Area 35 - Septic 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S4-1W		S4-5W		Field Blank		Trip Blank	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)									
Total Targeted Compounds		1.42	J	ND		ND		ND	
1,2,4-Trichlorobenzene	5	--		--		--		--	
1,3,5-Trimethylbenzene	5	--		--		--		--	
2-Butanone(MEK)	50	--		--		--		--	
4-Isopropyltoluene	5	--		--		--		--	
4-Methyl-2-pentanone (MIBK)	~	--		--		--		--	
Acetone	50	--		--		--		--	
Benzene	1	ND	5	ND	5	ND	5	ND	5
Chlorobenzene	5	ND	5	ND	5	ND	5	ND	5
Chloroform	7	ND	5	ND	5	ND	5	ND	5
cis-1,2-Dichloroethene	5	--		--		--		--	
Ethylbenzene	5	ND	5	ND	5	ND	5	ND	5
Isopropylbenzene	5	--		--		--		--	
Methylene Chloride	5	ND	5	ND	5	ND	5	ND	5
Methyl-t-Butyl Ether (MTBE)	10	--		--		--		--	
Naphthalene	10	--		--		--		--	
n-Butylbenzene	5	--		--		--		--	
n-propylbenzene	5	--		--		--		--	
sec-butylbenzene	5	--		--		--		--	
tert-Butylbenzene	5	--		--		--		--	
Tetrachloroethene	5	ND	5	ND	5	ND	5	ND	5
Total Xylenes	5	ND	5	ND	5	ND	5	ND	5
Toluene	5	1.42	J	ND	5	ND	5	ND	5
Trichloroethene	5	ND	5	ND	5	ND	5	ND	5
Vinyl Chloride	2	ND	5	ND	5	ND	5	ND	5
Total Non-Targeted Peaks		5		8.4		ND		ND	

Table 3
 Summary of Groundwater Sampling Results
 Area 35 - Septic 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	S4-1W 4965-007 8/15/2000 Aqueous Conc Q MDL	S4-5W 4965-008 8/15/2000 Aqueous Conc Q MDL	Field Blank 4965-009 8/15/2000 Aqueous Conc Q MDL	Trip Blank 4965-010 8/15/2000 Aqueous Conc Q MDL
SVOCs (ppb)					
Total Targeted Compounds		ND	-	-	-
2-Methylnaphthalene	-	ND 0.72	-	-	-
Acenaphthene	20	ND 0.44	-	-	-
Acenaphthylene	-	ND 0.72	-	-	-
Anthracene	50	ND 0.72	-	-	-
Benzo[a]anthracene	0.002	ND 1	-	-	-
Benzo[e]pyrene	ND	ND 1.36	-	-	-
Benzo[b]fluoranthene	0.002	ND 2.2	-	-	-
Benzo[g,h,i]perylene	-	ND 2.2	-	-	-
Benzo[k]fluoranthene	0.002	ND 2.76	-	-	-
bis(2-Ethylhexyl)phthalate	5	ND 2.92	-	-	-
Carbazole	-	ND 1.16	-	-	-
Chrysene	0.002	ND 1.6	-	-	-
Dibenz[a,h]anthracene	-	ND 1.68	-	-	-
Dibenzofuran	-	ND 0.68	-	-	-
Diethylphthalate	50	ND 1.2	-	-	-
Di-n-butylphthalate	50	ND 1.92	-	-	-
Di-n-octylphthalate	50	ND 2.52	-	-	-
Fluoranthene	50	ND 1.64	-	-	-
Fluorene	50	ND 1.48	-	-	-
Indeno[1,2,3-cd]pyrene	0.002	ND 2.48	-	-	-
Naphthalene	10	ND 0.52	-	-	-
Phenanthrene	50	ND 0.6	-	-	-
Pyrene	50	ND 1.04	-	-	-
Total Non-Targeted Peaks:		24 B	-	-	-

Table A
Summary of Soil Sampling Results
Area 36 - Building 10
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Data Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-1 2480-001 4/28/2000 Soil	S-2 2480-002 4/28/2000 Soil	S-3 2480-003 4/28/2000 Soil	S-4 2480-004 4/28/2000 Soil	S-5 2480-005 4/28/2000 Soil
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)		ND	2.46	ND	ND	ND
Total Targeted Compounds						
1,2,4-Trichlorobenzene	3400	-	-	-	-	-
1,3,5-Trichlorobenzene	100	-	-	-	-	-
2-Butanone(MEK)	300	-	-	-	-	-
4-Isopropyltoluene	100	5.85	5.95	5.6	5.9	5.75
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-
Acetone	200	-	-	-	-	-
Benzene	60	5.85	2.46 J	5.6	5.9	5.75
Chlorobenzene	1700	-	-	-	-	-
Chloroform	300	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-
Ethylbenzene	5500	5.85	5.95	5.6	5.9	5.75
Isopropylbenzene	100	5.85	5.95	5.6	5.9	5.75
Methylene Chloride	100	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)	-	-	-	-	-	-
Naphthalene	200	5.85	5.95	5.6	5.9	5.75
n-Butylbenzene	100	5.85	5.95	5.6	5.9	5.75
n-propylbenzene	100	5.85	5.95	5.6	5.9	5.75
sec-butylbenzene	100	5.85	5.95	5.6	5.9	5.75
tert-Butylbenzene	100	5.85	5.95	5.6	5.9	5.75
Tetrachloroethene	1400	-	-	-	-	-
Total Xylenes	1200	5.85	5.95	5.6	5.9	5.75
Toluene	1500	5.85	5.95	5.6	5.9	5.75
Trichloroethene	-	-	-	-	-	-
Vinyl Chloride	200	-	-	-	-	-
Total Non-Targeted Peaks		ND	ND	ND	ND	ND

Table
 Summary of Soil Sampling Results
 Area 36 - Building 10
 Westchester County Airport
 Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-1		S-2		S-3		S-4		S-5	
			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
Total Targeted Compounds			ND		ND		ND		ND		ND	
2-Methylnaphthalene		36400	-		-		-		-		-	
Acenaphthene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Acenaphthylene		41000	-		-		-		-		-	
Anthracene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Benzo[a]anthracene		224	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Benzo[a]pyrene		61	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Benzo[b]fluoranthene		1100	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Benzo[g,h,i]perylene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Benzo[k]fluoranthene		1100	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
bis(2-Ethylhexyl)phthalate		50000	-		-		-		-		-	
Carbazole		-	-		-		-		-		-	
Chrysene		400	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Dibenz[a,h]anthracene		14	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Dibenzofuran		6200	-		-		-		-		-	
Diethylphthalate		7100	-		-		-		-		-	
Di-n-butylphthalate		8100	-		-		-		-		-	
Di-n-octylphthalate		8100	-		-		-		-		-	
Fluoranthene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Fluorene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Indeno[1,2,3-cd]pyrene		3200	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Naphthalene		13000	-		-		-		-		-	
Phenanthrene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Pyrene		50000	ND	75.1	ND	77.6	ND	70.9	ND	73.9	ND	75.4
Total Non-Targeted Peaks:			ND		ND		ND		ND		ND	

Summary of Soil Sampling Results
 Area 36 - Building 10
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-6 2480-006 4/28/2000 Soil	S-7 2480-007 4/28/2000 Soil	S-8 2970-001 5/15/2000 Soil	S-9 2970-002 5/15/2000 Soil	FMW-17 5.5'-6" 3626-002 6/16/2000 Soil
VOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		56.35 J	ND	10.6 B	4.69 JB	3.39 J
1,2,4-Trichlorobenzene	3400	-	-	ND	ND	-
1,3,5-Trichlorobenzene	100	-	-	-	-	-
2-Butanone(MEK)	300	-	-	-	-	-
4-Isopropyltoluene	100	ND	5.85	-	-	ND
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-
Acetone	200	-	-	-	-	-
Benzene	60	1.63 J	5.85	ND	5.4	ND
Chlorobenzene	1700	-	-	ND	5.4	-
Chloroform	300	-	-	ND	5.4	-
cis-1,2-Dichloroethene	-	-	-	-	-	-
Ethylbenzene	5500	23.2	5.85	ND	5.4	3.39 J
Isopropylbenzene	100	2.89 J	5.85	ND	-	ND
Methylene Chloride	100	-	-	10.6 B	4.69 JB	-
Methyl-t-Butyl Ether (MTBE)	-	-	-	-	-	-
Naphthalene	200	11.1	5.85	ND	-	ND
n-Butylbenzene	100	ND	5.85	ND	-	ND
n-propylbenzene	100	6.85	5.85	ND	-	ND
sec-butylbenzene	100	ND	5.85	ND	-	ND
tert-Butylbenzene	100	ND	5.85	ND	-	ND
Tetrachloroethene	1400	-	-	-	-	-
Total Xylenes	1200	2.61 J	5.85	ND	5.4	ND
Toluene	1500	ND	5.85	ND	5.4	ND
Trichloroethene	-	-	-	ND	5.4	-
Vinyl Chloride	200	-	-	ND	5.4	-
Total Non-Targeted Peaks		ND	ND	-	-	ND

Tabl
 Summary of Soil Sampling Results
 Area 36 - Building 10
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	S-6 2480-008 4/28/2000 Soil	S-7 2480-007 4/28/2000 Soil	S-8 3' 2970-001 5/15/2000 Soil	S-9 3' 2970-002 5/15/2000 Soil	FMW-17 5.5'-6' 3626-002 8/16/2000 Soil
SVOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		ND	635.7 J	72.5 J	157	ND
2-Methylnaphthalene	36400	-	-	ND	ND	-
Acenaphthene	50000	ND	ND	ND	ND	ND
Acenaphthylene	41000	-	-	ND	ND	-
Anthracene	50000	ND	ND	ND	ND	ND
Benzo[a]anthracene	224	ND	83.6	ND	ND	ND
Benzo[a]pyrene	61	ND	53 J	ND	ND	ND
Benzo[b]fluoranthene	1100	ND	66.6 J	ND	ND	ND
Benzo[g,h,i]perylene	50000	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	1100	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50000	-	-	72.5 J	157 J	-
Carbazole	-	-	-	ND	ND	-
Chrysene	400	ND	62.5 J	ND	ND	ND
Dibenz[a,h]anthracene	14	ND	ND	ND	ND	ND
Dibenzofuran	6200	-	-	ND	ND	-
Diethylphthalate	7100	-	-	ND	ND	-
Di-n-butylphthalate	8100	-	-	ND	ND	-
Di-n-octylphthalate	8100	-	-	ND	ND	-
Fluoranthene	50000	ND	142	ND	ND	ND
Fluorene	50000	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	3290	ND	ND	ND	ND	ND
Naphthalene	13000	-	-	ND	ND	-
Phenanthrene	50000	ND	77 J	ND	ND	ND
Pyrene	50000	ND	151	ND	ND	ND
Total Non-Targeted Peaks:		ND	ND	ND	ND	ND

Summary of Groundwater Sampling Results
 Area 36 - Building 10
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GW-1 2480-008 4/28/00 Aqueous	FMW-17 3826-001 6/14/00 Aqueous	FMW-18 3626-003 6/14/00 Aqueous	TB-1 Trip Blank 3626-004 6/14/00 Aqueous	FB-1 Field Blank 3526-005 6/14/00 Aqueous	FB-2 Field Blank 3626-006 6/14/00 Aqueous	FMW-17 4692-001 8/3/00 Aqueous	FMW-17 6741-004 10/25/00 Aqueous	FMW-18 6741-005 10/25/00 Aqueous
	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL	Conc Q	MDL
VOCs (ppb)										
Total Targeted Compounds		ND	78.6	1.656	ND	ND	ND	87.467	42.61	4.62
1,2,4-Trichlorobenzene	5	ND	1.38	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone(MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	10.8	0.228	ND	ND	ND	8.53	8.64	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	42.7	ND	ND	ND	40	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	5.7	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	10	ND	4.18	ND	ND	ND	11.1	1.36	16.7	0.63
Naphthalene	10	ND	10.7	ND	ND	ND	14.1	0.53	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-propylbenzene	5	ND	6.5	ND	ND	ND	7.53	0.25	ND	ND
sec-butylbenzene	5	ND	ND	ND	ND	ND	0.507	0.25	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	ND	2.34	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	1.43	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks		ND	ND	ND	ND	ND	ND	ND	51.6	44.6

Table B
Summary of Groundwater Sampling Results
Area 36 - Building 10
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GW-1		FMW-17		FMW-18		TB-1		FB-1		FB-2		FMW-17		FMW-17		FMW-18			
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)																					
Total Targeted Compounds		ND		ND		ND		ND		ND											
2-Methylnaphthalene	-	-		-		-		-		-		-		-		-		-		-	
Acenaphthene	20	ND	0.8	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.18
Acenaphthylene	-	-		-		-		-		-		-		-		-		-		-	
Anthracene	50	ND	0.74	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.37	ND	0.18
Benzo[a]anthracene	0.002	ND	0.7	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.35	ND	0.25
Benzo[a]pyrene	ND	ND	0.66	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.33	ND	0.34
Benzo[b]fluoranthene	0.002	ND	0.64	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.55
Benzo[k]fluoranthene	-	ND	1.16	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.69
Benzo[k]fluoranthene	0.002	ND	1.1	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.55	ND	0.73
bia[2-Ethylhexyl]phthalate	5	-		-		-		-		-		-		-		-		-		-	
Carbazole	-	-		-		-		-		-		-		-		-		-		-	
Chrysene	0.002	ND	1.12	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.56	ND	0.4
Dibenz[a,h]anthracene	-	ND	0.9	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.42
Dibenzofuran	-	-		-		-		-		-		-		-		-		-		-	
Diethylphthalate	50	-		-		-		-		-		-		-		-		-		-	
Di-n-butylphthalate	50	-		-		-		-		-		-		-		-		-		-	
Di-n-octylphthalate	50	-		-		-		-		-		-		-		-		-		-	
Fluoranthene	50	ND	0.82	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.37
Fluorene	50	ND	0.8	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.62
Indeno[1,2,3-cd]pyrene	0.002	ND	0.9	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	0.45	ND	1.4
Naphthalene	10	-		-		-		-		-		-		-		-		-		-	
Phenanthrene	50	ND	0.96	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.15
Pyrene	50	ND	1.16	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.58	ND	0.28
Total Non-Targeted Peaks:		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	10.3

Table B
Summary of Groundwater Sampling Results
Area 36 - Building 10
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GW-1		FMW-17		FMW-18		TB-1		FB-1		FB-2		FMW-17		FMW-17		FMW-18		
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc
PCB's	0.09*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Targeted Compounds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Targeted Compounds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alcohols	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene glycol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CYANIDE	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide, Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METALS (ppb)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminum	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	300*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	35000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	300*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	20000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tat
Summary of Groundwater Sampling Results
Area 36 - Building 10
Westchester County Airport
Westchester, New York

VOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	TB-1 Trip Blank 4692-002 8/3/00 Aqueous		FB-1 Field Blank 4692-003 8/3/00 Aqueous		Trip Blank 6741-001 10/25/00 Aqueous		Field Blank 6741-002 10/25/00 Aqueous		FMW-27 7646-009 12/1/00 Aqueous		TB-2 Trip Blank 7646-015 12/1/00 Aqueous		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc
Total Targeted Compounds			ND		ND		ND		ND		32.272		ND		
1,2,4-Trichlorobenzene		5	ND	.28	ND	0.28			ND	0.34	ND	0.34			
1,3,5-Trimethylbenzene		5	ND	0.3	ND	0.3					ND	0.47			
2-Butanone(MEK)		50						ND	0.41						
4-Isopropyltoluene		5	ND	0.25	ND	0.25					ND	0.53			
4-Methyl-2-pentanone (MIBK)								ND	0.25						
Acetone		50						ND	0.7						
Benzene		1	ND	0.22	ND	0.22		ND	0.25		4	0.43		ND	0.43
Chlorobenzene		5						ND	0.28					ND	0.4
Chloroform		7						ND	0.28					ND	0.26
dis-1,2-Dichloroethene		5						ND	0.3						
Ethylbenzene		5	ND	0.3	ND	0.3		ND	0.3			0.797		ND	0.47
Isopropylbenzene		5	ND	0.3	ND	0.3		ND	0.3						
Methylene Chloride		5	ND	0.3	ND	0.3		ND	0.3						
Methyl-t-Butyl Ether (MTBE)		5						ND	1.91					ND	0.95
Naphthalene		10	ND	1.36	ND	1.36		ND	0.63			26.8			
n-Butylbenzene		5	ND	0.53	ND	0.53						0.675			
n-propylbenzene		5	ND	0.28	ND	0.28						ND		ND	0.47
sec-butylbenzene		5	ND	0.25	ND	0.25						ND		ND	0.49
tert-Butylbenzene		5	ND	0.25	ND	0.25						ND		ND	0.53
Tetrachloroethene		5	ND	0.28	ND	0.28						ND		ND	0.34
Total Xylenes		5						ND	0.39						
Toluene		5	ND	0.8	ND	0.8		ND	0.88					ND	1.43
Trichloroethene		5	ND	0.22	ND	0.22		ND	0.3					ND	0.45
Vinyl Chloride		5						ND	0.36					ND	0.47
		2						ND	0.39					ND	0.54
Total Non-Targeted Peaks								ND							

Table B
Summary of Groundwater Sampling Results
 Area 36 - Building 10
 Westchester County Airport
 Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	TB-1 Trip Blank 4892-002 8/3/00 Aqueous		FB-1 Field Blank 4892-003 8/3/00 Aqueous		Trip Blank 6741-001 10/25/00 Aqueous		Field Blank 6741-002 10/25/00 Aqueous		FMW-27 7646-009 12/1/00 Aqueous		TB-2 Trip Blank 7646-015 12/1/00 Aqueous			
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q
Total Targeted Compounds			-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[a]anthracene	0.002		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[a]pyrene	ND		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[b]fluoranthene	0.002		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[g,h,i]perylene	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[k]fluoranthene	0.002		-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	5		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.002		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz[a,h]anthracene	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	0.002		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	10		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	50		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks:			-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tab 3
Summary of Groundwater Sampling Results
Area 36 - Building 10
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	TB-1 Trip Blank 4692-002 8/3/00 Aqueous		FB-1 Field Blank 4692-003 8/3/00 Aqueous		Trip Blank 6741-001 10/25/00 Aqueous		Field Blank 6741-002 10/25/00 Aqueous		FMW-27 7646-009 12/1/00 Aqueous		TB-2 Trip Blank 7646-015 12/1/00 Aqueous	
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's													
Total Targeted Compounds	0.09*	-	-	-	-	-	-	-	ND	-	-	-	-
Pesticides													
Total Targeted Compounds	0.01	-	-	-	-	-	-	-	ND	-	-	-	-
Alcohols													
Ethylene glycol	50	-	-	-	-	-	-	-	-	-	-	-	-
Propylene glycol	-	-	-	-	-	-	-	-	-	-	-	-	-
CYANIDE													
Cyanide, Total	200	-	-	-	-	-	-	-	ND	20	-	-	-
METALS (ppb)													
Aluminum	-	-	-	-	-	-	-	-	ND	100	-	-	-
Antimony	3	-	-	-	-	-	-	-	ND	8.00	-	-	-
Arsenic	25	-	-	-	-	-	-	-	ND	4.00	-	-	-
Barium	1000	-	-	-	-	-	-	-	ND	20.0	-	-	-
Beryllium	3	-	-	-	-	-	-	-	ND	4.00	-	-	-
Cadmium	5	-	-	-	-	-	-	-	ND	0.600	-	-	-
Calcium	-	-	-	-	-	-	-	-	ND	800	-	-	-
Chromium	50	-	-	-	-	-	-	-	ND	20.0	-	-	-
Cobalt	-	-	-	-	-	-	-	-	ND	40.0	-	-	-
Copper	200	-	-	-	-	-	-	-	ND	40.0	-	-	-
Iron	300*	-	-	-	-	-	-	-	ND	100	-	-	-
Lead	25	-	-	-	-	-	-	-	ND	4.00	-	-	-
Magnesium	35000	-	-	-	-	-	-	-	ND	200	-	-	-
Manganese	300*	-	-	-	-	-	-	-	ND	10.0	-	-	-
Mercury	0.7	-	-	-	-	-	-	-	ND	0.500	-	-	-
Nickel	100	-	-	-	-	-	-	-	ND	20.0	-	-	-
Potassium	-	-	-	-	-	-	-	-	ND	200	-	-	-
Selenium	10	-	-	-	-	-	-	-	ND	8.00	-	-	-
Silver	50	-	-	-	-	-	-	-	ND	0.400	-	-	-
Sodium	20000	-	-	-	-	-	-	-	ND	200	-	-	-
Vanadium	-	-	-	-	-	-	-	-	ND	30.0	-	-	-
Zinc	2000	-	-	-	-	-	-	-	ND	20.0	-	-	-

Table 22A
 Summary of Soil Sampling Results
 Area 37 - Building 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-3 6.5-7' 5409-014 9/1/2000 Soil			FB AQ. 5409-011 8/31/2000 Aqueous		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND			ND		
1,2,4-Trichlorobenzene	3400	--	--	--	--	--	--
1,3,5-Trimethylbenzene	100	ND		5.7	ND		0.33
2-Butanone(MEK)	300	--	--	--	--	--	--
4-Isopropyltoluene	100	ND		5.7	ND		0.33
4-Methyl-2-pentanone (MIBK)	1000	--	--	--	--	--	--
Acetone	200	--	--	--	--	--	--
Benzene	60	ND		5.7	ND		0.63
Chlorobenzene	1700	--	--	--	--	--	--
Chloroform	300	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	--	--
Ethylbenzene	5500	ND		5.7	960		0.3
Isopropylbenzene	100	ND		5.7	ND		0.88
Methylene Chloride	100	--	--	--	--	--	--
Methyl-t-Butyl Ether (MTBE)	--	--	--	--	--	--	--
Naphthalene	200	ND		5.7	ND		0.3
n-Butylbenzene	100	ND		5.7	ND		0.3
n-propylbenzene	100	ND		5.7	ND		0.3
sec-butylbenzene	100	ND		5.7	ND		0.28
tert-Butylbenzene	100	ND		5.7	ND		0.28
Tetrachloroethene	1400	--	--	--	--	--	--
Total Xylenes	1200	ND		5.7	1040		0.3
Toluene	1500	ND		5.7	ND		0.25
Trichloroethene	--	--	--	--	--	--	--
Vinyl Chloride	200	--	--	--	--	--	--
Total Non-Targeted Peaks		--	--	--	--	--	--

Table 22A
 Summary of Soil Sampling Results
 Area 37 - Building 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-3 6.5-7' 5409-014 9/1/2000 Soil			FB AQ. 5409-011 8/31/2000 Aqueous		
SVOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		365	J		ND		
2-Methylnaphthalene	36400	--		--	--		--
Acenaphthene	50000	ND		198	ND		0.11
Acenaphthylene	41000	--		--	--		--
Anthracene	50000	ND		198	ND		0.18
Benzo[a]anthracene	224	ND		198	ND		0.25
Benzo[a]pyrene	61	ND		198	ND		0.34
Benzo[b]fluoranthene	1100	ND		198	ND		0.55
Benzo[g,h,i]perylene	50000	ND		198	ND		0.55
Benzo[k]fluoranthene	1100	ND		198	ND		0.69
bis(2-Ethylhexyl)phthalate	50000	--		--	--		--
Carbazole	--	--		--	--		--
Chrysene	400	ND		198	ND		0.4
Dibenz[a,h]anthracene	14	ND		198	ND		0.42
Dibenzofuran	6200	--		--	--		--
Diethylphthalate	7100	--		--	--		--
Di-n-butylphthalate	8100	--		--	--		--
Di-n-octylphthalate	8100	--		--	--		--
Fluoranthene	50000	189	J	198	ND		0.41
Fluorene	50000	ND		198	ND		0.37
Indeno[1,2,3-cd]pyrene	3200	ND		198	ND		0.62
Naphthalene	13000	--		--	--		--
Phenanthrene	50000	ND		198	ND		0.15
Pyrene	50000	176	J	198	ND		0.26
Total Non-Targeted Peaks:		--		--	--		--

Table 22B
 Summary of Groundwater Sampling Results
 Area 37 - Building 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	T-3W			BLDS-4-Vault			FB AQ.			TB AQ.		
		5409-015 9/1/2000 Aqueous			6769-005 10/24/2000 Aqueous			6769-011 10/24/2000 Aqueous			6769-016 10/24/2000 Aqueous		
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND			ND			0.651			ND		
1,2,4-Trichlorobenzene	5	--	--		ND	0.68		ND	0.68		--	--	
1,3,5-Trimethylbenzene	5	ND	0.28		--	--		--	--		--	--	
2-Butanone(MEK)	50												
4-Isopropyltoluene	5	ND	0.3		--	--		--	--		--	--	
4-Methyl-2-pentanone (MIBK)	~												
Acetone	50												
Benzene	1	ND	0.25		ND	0.28		ND	0.28		ND	0.28	
Chlorobenzene	5	--	--		ND	0.37		ND	0.37		ND	0.37	
Chloroform	7	--	--		ND	0.37		ND	0.37		ND	0.37	
cis-1,2-Dichloroethene	5												
Ethylbenzene	5	ND	0.3		ND	0.2		ND	0.2		ND	0.2	
Isopropylbenzene	5	ND	0.3		--	--		--	--		--	--	
Methylene Chloride	5	--	--		ND	1.93		ND	1.93		ND	1.93	
Methyl-t-Butyl Ether (MTBE)	10	ND	0.63		--	--		--	--		--	--	
Naphthalene	10	ND	0.63		--	--		--	--		--	--	
n-Butylbenzene	5	ND	0.3		--	--		--	--		--	--	
n-propylbenzene	5	ND	0.33		--	--		--	--		--	--	
sec-butylbenzene	5	ND	0.33		--	--		--	--		--	--	
tert-Butylbenzene	5	ND	0.3		--	--		--	--		--	--	
Tetrachloroethene	5	--	--		ND	0.31		ND	0.31		ND	0.31	
Total Xylenes	5	ND	0.88		ND	0.79		ND	0.79		ND	0.79	
Toulene	5	ND	0.3		ND	0.34		0.651	0.34		ND	0.34	
Trichloroethene	5	--	--		ND	0.59		ND	0.59		ND	0.59	
Vinyl Chloride	2	--	--		ND	1.11		ND	1.11		ND	1.11	
Total Non-Targeted Peaks		--	--		--	--		--	--		--	--	

Table 22B
 Summary of Groundwater Sampling Results
 Area 37 - Building 4
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	T-3W			BLDS-4-Vault			FB AQ.			TB AQ.		
		5409-015 9/1/2000 Aqueous			6769-005 10/24/2000 Aqueous			6769-011 10/24/2000 Aqueous			6769-016 10/24/2000 Aqueous		
SVOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND			ND			ND			--		--
2-Methylnaphthalene		~	--	--	ND	0.36		ND	0.36		--		--
Acenaphthene		20	ND	0.11	ND	0.22		ND	0.22		--		--
Acenaphthylene		~	--	--	ND	0.36		ND	0.36		--		--
Anthracene		50	ND	0.18	ND	0.36		ND	0.18		--		--
Benzo[a]anthracene		0.002	ND	0.25	ND	0.5		ND	0.25		--		--
Benzo[a]pyrene		ND	ND	0.34	ND	0.68		ND	0.34		--		--
Benzo[b]fluoranthene		0.002	ND	0.55	ND	1.1		ND	0.55		--		--
Benzo[g,h,i]perylene		~	ND	0.55	ND	1.1		ND	0.55		--		--
Benzo[k]fluoranthene		0.002	ND	0.69	ND	1.38		ND	0.69		--		--
bis(2-Ethylhexyl)phthalate		5	--	--	ND	1.46		--	--		--		--
Carbazole		~	--	--	ND	0.58		--	--		--		--
Chrysene		0.002	ND	0.4	ND	0.8		ND	0.4		--		--
Dibenz[a,h]anthracene		~	ND	0.42	ND	0.84		ND	0.42		--		--
Dibenzofuran		~	--	--	ND	0.34		ND	0.34		--		--
Diethylphthalate		50	--	--	ND	0.6		ND	0.6		--		--
Di-n-butylphthalate		50	--	--	ND	0.96		--	--		--		--
Di-n-octylphthalate		50	--	--	ND	1.26		--	--		--		--
Fluoranthene		50	ND	0.41	ND	0.82		ND	0.41		--		--
Fluorene		50	ND	0.37	ND	0.74		ND	0.74		--		--
Indeno[1,2,3-cd]pyrene		0.002	ND	0.62	ND	1.24		ND	0.62		--		--
Naphthalene		10	--	--	ND	0.26		ND	0.26		--		--
Phenanthrene		50	ND	0.15	ND	0.3		ND	0.15		--		--
Pyrene		50	ND	0.26	ND	0.52		ND	0.26		--		--
Total Non-Targeted Peaks:			--	--	--	--		--	--		--		--

Table
 Summary of Soil Sampling Results
 Area 38 - Weights and Measures Building
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-40 7.5-8' 5173-009 8/23/2000 Soil	GB-43 8-8.5' 6789-009 10/25/2000 Soil	GB-44 4-4.5' 6789-017 10/25/2000 Soil	GB-45 9-9.5' 6789-012 10/25/2000 Soil	GB-46 6-6.5' 6789-013 10/25/2000 Soil	GB-47 9-9.5' 6789-014 10/25/2000 Soil	GB-48 9-9.5' 6789-015 10/25/2000 Soil	FB AQ. Field Blank 5173-012 8/23/2000 Aqueous	Field Blank 6789-011 10/25/2000 Aqueous
		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
VOCs (ppb)		126 J	ND	5.58 C	62.8 J	ND	ND	ND	ND	0.651
Total Targeted Compounds		151710	-	-	-	-	-	-	ND	-
1,2,4-Trichlorobenzene	3400	ND	73.6	ND	ND	ND	73.2	ND	ND	ND
1,3,5-Trimethylbenzene	100	-	-	-	-	-	-	-	-	-
2-Butanone(MEK)	300	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene	100	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-	-	-	-	-
Acetone	200	-	-	-	-	-	-	-	-	-
Benzene	60	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
Chlorobenzene	1700	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
Chloroform	300	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
cis-1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5500	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
Isopropylbenzene	100	-	-	-	-	-	-	-	-	-
Methylene Chloride	100	ND	5.85	5.58 C	53.2	ND	5.55	ND	5.5	ND
Methyl-t-Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-	-
Naphthalene	200	-	-	-	-	-	-	-	-	-
n-Butylbenzene	100	-	-	-	-	-	-	-	-	-
n-propylbenzene	100	-	-	-	-	-	-	-	-	-
sec-butylbenzene	100	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	100	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1400	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
Total Xylenes	1200	126 J	5.85	ND	43.9 J	ND	5.55	ND	5.5	ND
Toluene	1500	ND	5.85	ND	53.2	ND	5.55	ND	5.5	0.651
Trichloroethene	-	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
Vinyl Chloride	200	ND	5.85	ND	53.2	ND	5.55	ND	5.5	ND
Total Non-Targeted Peaks		151710	-	-	-	-	-	-	ND	-

Tab. A
Summary of Soil Sampling Results
Area 38 - Weights and Measures Building
Westchester County Airport
Westchester, New York

SVOCs (ppb)	Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	GB-40 7.5-8' 5173-009 8/23/2000 Soil		GB-43 8-8.5' 6769-009 10/25/2000 Soil		GB-44 4-4.5' 6769-017 10/25/2000 Soil		GB-45 9-9.5' 6769-012 10/25/2000 Soil		GB-46 6-6.5' 6769-013 10/25/2000 Soil		GB-47 9-9.5' 6769-014 10/25/2000 Soil		GB-48 9-9.5' 6769-015 10/25/2000 Soil		FB AQ. Field Blank 5173-012 8/23/2000 Aqueous		Field Blank 6769-011 10/25/2000 Aqueous			
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q
Total Targeted Compounds			3265.1	J	ND	73.6	77.8	ND	203	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
2-Methylnaphthalene		36400	2560		ND	73.6	77.8	ND	203	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Acenaphthene		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Acenaphthylene		41000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Anthracene		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Benzo[a]anthracene		224	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Benzo[b]fluoranthene		61	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Benzo[e]pyrene		1100	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Benzo[k]fluoranthene		1100	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
bis[2-Ethylhexyl]phthalate		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Carbazole		-	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Chrysene		400	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene		14	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Dibenzofuran		6200	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Diethylphthalate		7100	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Di-n-butylphthalate		8100	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Di-n-octylphthalate		8100	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Fluoranthene		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Fluorene		50000	73.1	J	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene		3200	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Naphthalene		13000	612	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Phenanthrene		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Pyrene		50000	ND	107	ND	73.6	77.8	ND	ND	104	73.2	73.2	ND	75.6	75.6	71.7	71.7	ND	ND	ND	ND	ND
Total Non-Targeted Peaks:			35940		-			-					-					-				

Table
 Summary of Groundwater Sampling Results
 Area 38 - Weights and Measures Building
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-40W Conc Q MDL	GB-42W Conc Q MDL	GB-44W Conc Q MDL	FB AQ. Field Blank 5173-012 8/23/2000 Aqueous	TB Aq. Trip Blank 5173-013 8/23/2000 Aqueous	Field Blank 6769-011 10/25/2000 Aqueous	Trip Blank 6769-016 10/25/2000 Aqueous
VOCs (ppb)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
Total Targeted Compounds		481	0.310	ND	ND	ND	0.651	ND
1,2,4-Trichlorobenzene	5	ND	-	ND	ND	-	ND	-
1,3,5-Trimethylbenzene	5	-	-	-	-	-	-	-
2-Butanone(MEK)	50	-	-	-	-	-	-	-
4-Isopropyltoluene	5	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)	-	-	-	-	-	-	-	-
Acetone	50	-	-	-	-	-	-	-
Benzene	1	ND	0.31	ND	ND	5	ND	0.28
Chlorobenzene	5	ND	ND	ND	ND	5	ND	0.37
Chloroform	7	ND	ND	ND	ND	5	ND	0.37
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	5	ND	0.9
Ethylbenzene	5	159	ND	ND	ND	5	ND	0.2
Isopropylbenzene	5	-	-	-	-	-	-	-
Methylene Chloride	5	ND	ND	ND	ND	5	ND	1.93
Methyl-t-Butyl Ether (MTBE)	10	-	-	-	-	-	-	-
Naphthalene	10	-	-	-	-	-	-	-
n-Butylbenzene	5	-	-	-	-	-	-	-
n-propylbenzene	5	-	-	-	-	-	-	-
sec-butylbenzene	5	-	-	-	-	-	-	-
tert-Butylbenzene	5	-	-	-	-	-	-	-
Tetrachloroethene	5	ND	ND	ND	ND	5	ND	0.31
Total Xylenes	5	322	ND	ND	ND	5	ND	0.79
Toluene	5	ND	ND	ND	ND	5	0.651	ND
Trichloroethene	5	ND	ND	ND	ND	5	ND	0.59
Vinyl Chloride	2	ND	ND	ND	ND	5	ND	1.11
Total Non-Targeted Peaks		1584.7	-	-	ND	ND	-	-

Summary of Groundwater Sampling Results
 Area 38 - Weights and Measures Building
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	GB-40W Conc Q MDL	GB-42W Conc Q MDL	GB-44W Conc Q MDL	FB AQ. Field Blank 5173-012 8/23/2000 Aqueous	TB Aq. Trip Blank 5173-013 8/23/2000 Aqueous	Field Blank Conc Q MDL	Trip Blank Conc Q MDL
SVOCs (ppb)								
Total Targeted Compounds		682	-	ND	ND	-	ND	-
2-Methylnaphthalene	-	529	-	ND	ND	-	ND	-
Acenaphthene	20	ND	-	ND	ND	-	ND	-
Acenaphthylene	-	ND	-	ND	ND	-	ND	-
Anthracene	50	ND	-	ND	ND	-	ND	-
Benzo[a]anthracene	0.002	ND	-	ND	ND	-	ND	-
Benzo[a]pyrene	ND	ND	-	ND	ND	-	ND	-
Benzo[b]fluoranthene	0.002	ND	-	ND	ND	-	ND	-
Benzo[g,h,i]perylene	-	ND	-	ND	ND	-	ND	-
Benzo[k]fluoranthene	0.002	ND	-	ND	ND	-	ND	-
bis(2-Ethylhexyl)phthalate	5	ND	-	ND	ND	-	ND	-
Carbazole	-	ND	-	ND	ND	-	ND	-
Chrysene	0.002	ND	-	ND	ND	-	ND	-
Dibenz[a,h]anthracene	-	ND	-	ND	ND	-	ND	-
Dibenzofuran	-	ND	-	ND	ND	-	ND	-
Diethylphthalate	50	ND	-	ND	ND	-	ND	-
Di-n-butylphthalate	50	ND	-	ND	ND	-	ND	-
Di-n-octylphthalate	50	ND	-	ND	ND	-	ND	-
Fluoranthene	50	ND	-	ND	ND	-	ND	-
Fluorene	50	ND	-	ND	ND	-	ND	-
Indeno[1,2,3-cd]pyrene	0.002	ND	-	ND	ND	-	ND	-
Naphthalene	10	153	-	ND	ND	-	ND	-
Phenanthrene	50	ND	-	ND	ND	-	ND	-
Pyrene	50	ND	-	ND	ND	-	ND	-
Total Non-Targeted Peaks:		13140	-	-	ND	-	-	-

Table 24
 Summary of UST Investigation Areas
 Westchester County Airport
 Westchester, New York

MAP ID NUMBER	TANK CONTENTS	STATUS	LOCATION	A/K/A	NYSDEC SPILL STATUS	NYSDEC SPILL NUMBER	GROUNDWATER SAMPLE RESULTS	SOIL SAMPLE RESULTS	ACTION PROPOSED
T1	Diesel	OLD TANK: 550-GAL. (1965-1993) NEW TANK: 1000-GAL. (1993-pres.)	AIRFIELD BLOCKHOUSE	---	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	See discussion in text
T2	Fuel Oil	OLD TANK: 2000-GAL. (1984-1997) NEW TANK: 2000-GAL. (1997-pres.)	BUILDING 2	Cosgrove	NA	NA	VOCs 8260 SVOCs 8270	VOCs 8260 SVOCs 8270	No further investigation warranted
T3	Fuel Oil	OLD TANK: 2000-GAL. (1984-1998) NEW TANK: 2000-GAL. (1998-pres.)	BUILDING 4	GHI	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T4	Fuel Oil	OLD TANK: 3000-GAL. (1973-1994) NEW TANK: 3000-GAL. (1994-pres.)	BUILDING 10	Maintenance Bldg.	NA	NA	VOCs 8260 SVOCs 8270	VOCs 8260 SVOCs 8270	See discussion in text
T5	Diesel	All USTs removed, closure requested	BUILDING 10	---	NA	NA	VOCs 8021 SVOCs 8270	VOCs 8021 SVOCs 8270	See discussion in text for Area 37
T6	Gasoline	All USTs removed, closure requested	BUILDING 10	Maintenance Bldg./ Area #37	NA	NA	VOCs 8021 SVOCs 8270	VOCs 8021 SVOCs 8270	See discussion in text for Area 37
T7	Antifreeze	OLD TANK: 550-GAL. (1956-1998) NEW TANK: 550-GAL. (1998-pres.)	BUILDING 10	Maintenance Bldg.	NA	NA	VOCs 8260 SVOCs 8270	VOCs 8260 SVOCs 8270	No further investigation warranted
T8	Waste Oil	OLD TANK: 275-GAL. (1970-1994) NEW TANK: 550-GAL. (1994-pres.)	BUILDING 10	Maintenance Bldg.	NA	NA	VOCs 8260 SVOCs 8270	VOCs 8260 SVOCs 8270	No further investigation warranted
T9	Fuel Oil	OLD TANK: 2000-GAL. (1978-1994) NEW TANK: 2000-GAL. (1994-pres.)	BUILDING 11	DHL	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T10	Waste Oil	OLD TANK: 550-GAL. (1976-1996) NEW TANK: 1000-GAL. (1996-pres.)	HANGAR 26	US Tobacco	NA	NA	NS	VOCs 8260 SVOCs 8270	No further investigation warranted
T11	Fuel Oil	OLD TANK: 2500-GAL. (1956-1996) NEW TANK: 6000-GAL. (1996-pres.)	HANGAR 6	Seagrams	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T12	Fuel Oil	OLD TANK: 3000-GAL. (1956-1996) NO REPLACEMENT	HANGAR 6	Seagrams	NA	NA	VOCs 8021 SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted

Table 24

Summary of UST Investigation Areas
Westchester County Airport
Westchester, New York

MAP ID NUMBER	TANK CONTENTS	STATUS	LOCATION	A/K/A	NYSDEC SPILL STATUS	NYSDEC SPILL NUMBER	GROUNDWATER SAMPLE RESULTS	SOIL SAMPLE RESULTS	ACTION PROPOSED
T13	Fuel Oil	OLD TANK: 5000-GAL. (1956-1992) NEW TANK: 3000-GAL. (1992-pres.)	HANGAR A	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	See discussion in text
T14							NS	VOCs 8021 SVOCs 8270	See discussion in text
T15	Fuel Oil	OLD TANKS: 3x1000-GAL.(1972-1991) NEW TANK: 3000-GAL. (1991-pres.)	HANGAR C2	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	See discussion in text
T16							NS	VOCs 8021 SVOCs 8270	See discussion in text
T17	Fuel Oil	OLD TANK: 1000-GAL. (1972-1991) NEW TANK: 1000-GAL. (1991-pres.)	HANGAR C2	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T18	Fuel Oil	OLD TANK: 5000-GAL. (1956-1994) NEW TANK: 5000-GAL. (1994-pres.)	HANGAR D	Airport Boiler Room	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T19	Waste Oil	OLD TANK: 550-GAL. (1956-1994) NO REPLACEMENT	HANGAR D SKY PORT	USP	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T20	Fuel Oil	OLD TANK: 2000-GAL. (1984-1998) NEW TANK: 2000-GAL. (1998-pres.)	HANGAR D	Texaco	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	See discussion in text
T21	Fuel Oil	OLD TANK: 5000-GAL. (1963-1991) NEW TANK: 5000-GAL. (1991-pres.)	HANGAR E	Aero Services	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T22	Fuel Oil	OLD TANK: 5000-GAL. (1963-1989) NEW TANK: 10000-GAL. (1989-pres.)	HANGAR E	General Electric	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T23	Fuel Oil	OLD TANK: 5000-GAL. (1963-1988) NEW TANK: 6000-GAL. (1988-pres.)	HANGAR E	Primerica / American Can / Travelers	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T24	Waste Oil	OLD TANK: 250-GAL. (1982-1992) NO REPLACEMENT	HANGAR G	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	See discussion in text

Table 24

Summary of UST Investigation Areas
Westchester County Airport
Westchester, New York

MAP ID NUMBER	TANK CONTENTS	STATUS	LOCATION	A/K/A	NYSDEC SPILL STATUS	NYSDEC SPILL NUMBER	GROUNDWATER SAMPLE RESULTS	SOIL SAMPLE RESULTS	ACTION PROPOSED
T25	Fuel Oil	OLD TANK: 1000-GAL. (1972-1992) NEW TANK: 1000-GAL. (1992-pres.)	HANGAR G	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T26	Fuel Oil	OLD TANK: 1000-GAL. (1972-1992) NEW TANK: 1000-GAL. (1992-pres.)	HANGAR G	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T27	Fuel Oil	OLD TANK: 1000-GAL. (1972-1992) NEW TANK: 1000-GAL. (1992-pres.)	HANGAR G	IAS	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T28	Fuel Oil	OLD TANK: 1000-GAL. (1972-1992) NO REPLACEMENT	HANGAR G	IAS/FRP	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted
T29	Fuel Oil	OLD TANK: 1000-GAL. (1960-1994) NEW TANK: 10000-GAL. (1994-pres.)	TERMINAL BUILDING	—	NA	NA	VOCs 8021 SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T30	Unknown	Unknown	HANGER 6	—	NA	NA	VOCs 8021+MTBE SVOCs 8270	VOCs 8021 SVOCs 8270	No further investigation warranted
T31	Unknown	Unknown	HANGER F	—	NA	NA	NS	VOCs 8021 SVOCs 8270	No further investigation warranted

VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
MTBE - Methyl tertiary butyl ether
NA - Not Available
NS - Not Sampled

Identifies exceedance of regulatory level for VOCs and/or SVOCs at this location
Pending Review - Work has been proposed by others as per airport personnel

Table
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-1 5-5.5 5409-007 9/1/2000 Soil		T-1 7.5-8 5409-006 9/1/2000 Soil		FMW-38 5-8' 7178-004 11/7/2000 Soil		T-2 1-1.5' 5173-007 8/23/2000 Soil		T-3 6.5-7' 5409-014 9/1/2000 Soil		T-4 2-2.5' 5173-003 8/22/2000 Soil		T-7 7-7.5' 5173-001 8/22/2000 Soil		
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
VOCs (ppb)																
Total Targeted Compounds		1,26 J	26993			360 J							14.2 B			
1,2,4-Trichlorobenzene	3400	ND	3460	ND	577	ND	605	ND	110	ND	5.7	ND	112	ND	103	
1,3,5-Trimethylbenzene	100	5.85	577	577	577	577	577	577	577	577	577	577	577	577	577	577
2-Butanone(MEK)	300	ND	1260	1260	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
4-Isopropyltoluene	1000	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
4-Methyl-2-pentanone (MIBK)	200	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Acetone	60	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Benzene	1700	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Chlorobenzene	300	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Chloroform	ND	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
cis-1,2-Dichloroethene	5500	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Ethylbenzene	100	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Isopropylbenzene	100	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Methylene Chloride	100	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Methyl-t-Butyl Ether (MTBE)	ND	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Naphthalene	200	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
n-Butylbenzene	100	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
n-propylbenzene	100	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
sec-butylbenzene	100	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
tert-Butylbenzene	100	1,26 J	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Tetrachloroethene	1400	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Total Xylenes	1200	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Toluene	1500	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Trichloroethene	ND	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Vinyl Chloride	200	ND	5.85	5.85	577	ND	605	ND	5.75	ND	5.7	ND	5.75	ND	5.75	5.75
Total Non-Targeted Peaks		180	180	180	180	180	180	180	180	180	180	180	180	180	180	180

Table 1
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-1 5-5.5' 5409-007 9/1/2000 Soil		T-1 7.5-8' 5409-006 9/1/2000 Soil		FMW-38 5-8' 7178-004 11/7/2000 Soil		T-2 1-1.5' 5173-007 8/23/2000 Soil		T-3 6.5-7' 5408-014 9/1/2000 Soil		T-4 2-2.5' 5173-003 8/22/2000 Soil		T-7 7-7.5' 5173-001 8/22/2000 Soil	
		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q
SVOCs (ppb)															
Total Targeted Compounds		13100	J	8837.9	J	-	-	ND	ND	365	J	ND	ND	ND	ND
2-Methylnaphthalene	36400	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Acenaphthene	50000	383	107	1370	110	-	-	ND	110	ND	198	ND	112	ND	103
Acenaphthylene	41000	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Anthracene	50000	1840	107	912	110	-	-	ND	110	ND	198	ND	112	ND	103
Benzo[a]anthracene	224	227	J	74.9	J	-	-	ND	110	ND	198	ND	112	ND	103
Benzo[a]pyrene	81	104	J	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
Benzo[b]fluoranthene	1100	101	J	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
Benzo[g,h,i]perylene	50000	ND	107	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
Benzo[k]fluoranthene	1100	71.6	J	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
bis(2-Ethylhexyl)phthalate	50000	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Carbazole	-	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Chrysene	400	199	107	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
Dibenz[a,h]anthracene	14	ND	107	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
Dibenzofuran	6200	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Diethylphthalate	7100	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Di-n-butylphthalate	8100	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Di-n-octylphthalate	8100	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Fluoranthene	50000	684	107	143	110	-	-	ND	110	169	J	ND	112	ND	103
Fluorene	50000	2390	107	1900	110	-	-	ND	110	ND	198	ND	112	ND	103
Indeno[1,2,3-cd]pyrene	3200	ND	107	ND	110	-	-	ND	110	ND	198	ND	112	ND	103
Naphthalene	13000	-	-	-	-	-	-	ND	110	-	-	ND	112	ND	103
Phenanthrene	50000	5650	107	3680	110	-	-	ND	110	ND	198	ND	112	ND	103
Pyrene	50000	1470	107	758	110	-	-	ND	110	176	J	ND	112	ND	103
Total Non-Targeted Peaks:		-	-	-	-	-	-	ND	ND	-	-	ND	ND	ND	ND

Summary of Soil Sampling Results for UST Locations
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-8 7-7.5' 5173-005 8/22/2000 Soil		T-9 6.5-7' 5409-004 8/31/2000 Soil		T-10 7.5-8' 5173-011 8/23/2000 Soil		T-11 7.5-8' 5409-001 9/1/2000 Soil		T-12 7.5-8' 5409-002 9/1/2000 Soil		T-13 8-8.5' 5472-002 9/5/2000 Soil		T-14 3.5-4' 5472-010 9/6/2000 Soil	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)		8.27	C	ND		ND		105.3	J	ND		ND		ND	
Total Targeted Compounds		ND		-		ND	107	ND	54.6	ND	5.45	ND	6.65	ND	5.4
1,2,4-Trichlorobenzene	3400	-		ND		ND		ND	54.6	ND	5.45	ND	6.65	ND	5.4
1,3,5-Trimethylbenzene	100	-		ND	5.8	-		ND	54.6	ND	5.45	ND	6.65	ND	5.4
2-Butanone(MEK)	300	-		ND		-		-	-	-	-	-	-	-	-
4-Isopropyltoluene	100	-		ND	5.8	-		ND	54.6	ND	5.45	ND	6.65	ND	5.4
4-Methyl-2-pentanone (MIBK)	1000	-		-		-		-	-	-	-	-	-	-	-
Acetone	200	-		-		-		-	-	-	-	-	-	-	-
Benzene	60	ND	5.85	ND	5.8	ND	5.75	ND	54.6	ND	5.45	ND	6.65	ND	5.4
Chlorobenzene	1700	ND	5.85	-		ND	5.75	-	-	-	-	-	-	-	-
Chloroform	300	ND	5.85	-		ND	5.75	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-		-		-		-	-	-	-	-	-	-	-
Ethylbenzene	5500	ND	5.85	ND	5.8	ND	5.75	ND	54.6	ND	5.45	ND	6.65	ND	5.4
Isopropylbenzene	100	-		ND	5.8	ND	5.8	ND	54.6	ND	5.45	ND	6.65	ND	5.4
Methylene Chloride	100	8.27	C	5.85		-		5.75	-	-	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)	-	-		-		-		-	-	-	-	-	-	-	-
Naphthalene	200	-		ND	5.8	ND	5.8	68.4	54.6	ND	5.45	ND	6.65	ND	5.4
n-Butylbenzene	100	-		ND	5.8	ND	5.8	ND	54.6	ND	5.45	ND	6.65	ND	5.4
n-propylbenzene	100	-		ND	5.8	ND	5.8	ND	54.6	ND	5.45	ND	6.65	ND	5.4
sec-butylbenzene	100	-		ND	5.8	ND	5.8	36.9	J	ND	5.45	ND	6.65	ND	5.4
tert-Butylbenzene	100	-		ND	5.8	ND	5.8	ND	54.6	ND	5.45	ND	6.65	ND	5.4
Tetrachloroethene	1400	ND	5.85	-		ND	5.75	-	-	-	-	-	-	-	-
Total Xylenes	1200	ND	5.85	ND	5.8	ND	5.75	ND	54.6	ND	5.45	ND	6.65	ND	5.4
Toluene	1500	ND	5.85	ND	5.8	ND	5.75	ND	54.6	ND	5.45	ND	6.65	ND	5.4
Trichloroethene	-	ND	5.85	-		ND	5.75	-	-	-	-	-	-	-	-
Vinyl Chloride	200	ND	5.85	-		ND	5.75	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks		ND		-		8.97		-	-	-	-	-	-	-	-

Summary of Soil Sampling results for UST Locations
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-8		T-9		T-10		T-11		T-12		T-13		T-14	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
Total Targeted Compounds		ND		ND		83.6	J	342		194.3	J	4245.7	J	15718	
2-Methylnaphthalene	38400	ND	115	ND	107	ND	107	ND	104	ND	104	151	132	151	108
Acenaphthene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	219	132	219	108
Acenaphthylene	41000	ND	115	ND	107	ND	107	ND	104	ND	104	367	132	367	108
Anthracene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	205	132	205	108
Benzo[a]anthracene	224	ND	115	ND	107	ND	107	ND	104	ND	104	342	132	342	108
Benzo[a]pyrene	81	ND	115	ND	107	ND	107	ND	104	ND	104	79.6	J	79.6	108
Benzo[b]fluoranthene	1100	ND	115	ND	107	ND	107	ND	104	ND	104	116	J	116	108
Benzo[k]fluoranthene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	116	J	116	108
bis(2-Ethylhexyl)phthalate	1100	ND	115	ND	107	ND	107	ND	104	ND	104	116	J	116	108
Carbazole	50000	ND	115	ND	107	ND	107	ND	104	ND	104	116	J	116	108
Chrysene	400	ND	115	ND	107	ND	107	ND	104	ND	104	387	132	387	108
Dibenz[a,h]anthracene	14	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Dibenzofuran	6200	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Diethylphthalate	7100	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Di-n-butylphthalate	8100	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Di-n-octylphthalate	8100	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Fluoranthene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Fluorene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	ND	132	ND	108
Indeno[1,2,3-cd]pyrene	3200	ND	115	ND	107	ND	107	ND	104	ND	104	95.1	J	95.1	108
Naphthalene	13000	ND	115	ND	107	ND	107	ND	104	ND	104	1530	132	1530	108
Phenanthrene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	859	132	859	108
Pyrene	50000	ND	115	ND	107	ND	107	ND	104	ND	104	859	132	859	108
Total Non-Targeted Peaks:		ND		ND		ND		ND		ND		ND		ND	

Table
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-15		T-16		T-17		T-18		T-19		T-21		T-22		
		5-5.5' 5788-013 9/15/2000 Soil	5-5.5' 5472-011 9/9/2000 Soil	5-5.6' 5472-012 9/6/2000 Soil	7-7.5' 5409-012 9/1/2000 Soil	9.5-10' 5472-006 9/6/2000 Soil	5.5-8.0' 5766-003 9/14/2000 Soil	7.5-8.0' 5766-001 9/14/2000 Soil								
VOCs (ppb)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Total Targeted Compounds		ND	38.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3400	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
1,3,5-Trimeethylbenzene	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
2-Butanone(MEK)	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Isopropyltoluene	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
4-Methyl-2-pentanone (MIBK)	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	60	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Chlorobenzene	1700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5500	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Isopropylbenzene	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Methylene Chloride	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl-t-Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	200	5.7	17.1	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
n-Butylbenzene	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
n-propylbenzene	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
sec-butylbenzene	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
tert-Butylbenzene	100	5.7	21.3	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Tetrachloroethane	100	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Trichloroethane	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Xylenes	1200	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Toluene	1500	5.7	5.8	6	5.55	5.6	5.55	5.55	5.55	5.6	5.55	5.6	5.55	5.55	5.6	5.55
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Targeted Peaks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tat 1A
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-15		T-16		T-17		T-18		T-19		T-21		T-22	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)		710	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Targeted Compounds															
2-Methylnaphthalene	36400														
Acenaphthene	50000														
Acenaphthylene	41000														
Anthracene	50000														
Benzo[a]anthracene	224	86.3	J												
Benzo[a]pyrene	61														
Benzo[b]fluoranthene	1100	89.7	J												
Benzo[g,h,i]perylene	50000														
Benzo[k]fluoranthene	1100														
bis(2-Ethylhexyl)phthalate	50000														
Carbazole	-														
Chrysene	400														
Dibenz[a,h]anthracene	14														
Dibenzofuran	6200														
Diethylphthalate	7100														
Di-n-butylphthalate	8100														
Di-n-octylphthalate	8100														
Fluoranthene	50000	222													
Fluorene	50000														
Indeno[1,2,3-cd]pyrene	3200														
Naphthalene	13000														
Phenanthrene	50000	189													
Pyrene	50000	123													
Total Non-Targeted Peaks:															

Table
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-23		T-24		T-25		T-26		T-27		T-28		T-29					
		4.5 - 5.0' 5786-005 9/14/2000 Soil	Conc Q	MDL	5-5.5' 5472-001 9/6/2000 Soil	Conc Q	MDL	7-7.5' 5472-003 9/6/2000 Soil	Conc Q	MDL	6-6.5' 5472-004 9/6/2000 Soil	Conc Q	MDL	4.5-5' 5472-009 9/6/2000 Soil	Conc Q	MDL	6.5-7' 5934-003 9/25/2000 Soil	Conc Q	MDL
VOCs (ppb)																			
Total Targeted Compounds																			
1,2,4-Trichlorobenzene	3400	ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
2-Butanone(MEK)	300	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
4-Isopropyltoluene	1000	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
4-Methyl-2-pentanone (MIBK)	200	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Acetone	60	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Benzene	1700	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Chlorobenzene	300	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Chloroform	~	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
cis-1,2-Dichloroethene	5500	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Ethylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Isopropylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Methylene Chloride	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Methyl-t-Butyl Ether (MTBE)	~	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Naphthalene	200	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
n-Butylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
n-propylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
sec-butylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
tert-Butylbenzene	100	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Tetrachloroethene	1400	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Total Xylenes	1200	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Toluene	1500	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Trichloroethene	~	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Vinyl Chloride	200	ND	5.95	ND	5.4	ND	5.75	ND	5.95	ND	5.3	ND	5.25	ND	5.55	ND	5.55	ND	5.55
Total Non-Targeted Peaks		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Table
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-23 4.5 - 5.0' 5786-005 9/14/2000 Soil		T-24 5-5.5' 5472-001 9/6/2000 Soil		T-25 7-7.5' 5472-003 9/6/2000 Soil		T-28 6-6.5' 5472-004 9/6/2000 Soil		T-27 6.5-7' 5472-008 9/8/2000 Soil		T-28 4.5-5' 5472-009 9/6/2000 Soil		T-29 6.5-7' 5934-003 9/25/2000 Soil	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
SVOCs (ppb)															
Total Targeted Compounds		ND	1536.1 J	ND	102	ND	112	ND	112	ND	104	ND	103	ND	-
2-Methylnaphthalene	36400	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	50000	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Acenaphthylene	41000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50000	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Benzo[a]anthracene	224	ND	126	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Benzo[a]pyrene	61	ND	75.1 J	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Benzo[b]fluoranthene	1100	ND	110	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Benzo[g,h,i]perylene	50000	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Benzo[k]fluoranthene	1100	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
bis(2-Ethylhexyl)phthalate	50000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	400	ND	103	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Dibenz[a,h]anthracene	14	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Dibenzofuran	6200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylphthalate	7100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	8100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	8100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50000	ND	393	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Fluorene	50000	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Indeno[1,2,3-cd]pyrene	3200	ND	ND	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Naphthalene	13000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50000	ND	485	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Pyrene	50000	ND	264	ND	102	ND	112	ND	112	ND	104	ND	103	ND	205
Total Non-Targeted Peaks:		-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-30		T-31		FB AQ.		Field Blank		Field Blank		Field Blank		Field Blank																													
		11.0 - 11.5'	5766-015	9/15/2000	Soil	Conc Q	MDL	9.5 - 10.0'	5766-014	9/15/2000	Soil	Conc Q	MDL	5409-011	8/31/2000	Aqueous	Conc Q	MDL	5472-007	9/6/2000	Aqueous	Conc Q	MDL	5766-008	9/14/2000	Aqueous	Conc Q	MDL	5766-007	9/15/2000	Aqueous	Conc Q	MDL	5934-001	9/25/2000	Aqueous	Conc Q	MDL					
VOCs (ppb)																																											
Total Targeted Compounds																																											
1,2,4-Trichlorobenzene	3400	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1,3,5-Trimethylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2-Butanone(MEK)	300	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4-Isopropyltoluene	1000	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	200	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Acetone	60	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Benzene	1700	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chlorobenzene	300	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chloroform	~	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethene	5500	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Ethylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Isopropylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Methylene Chloride	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl-t-Butyl Ether (MTBE)	~	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	200	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Butylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-propylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
sec-butylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
tert-Butylbenzene	100	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	1400	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total Xylenes	1200	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toulene	1500	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	~	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	200	ND	5.35	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Non-Targeted Peaks		ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table
 Summary of Soil Sampling Results for UST Locations
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TAGM RECOMMENDED SOIL CLEANUP CRITERIA	T-30		T-31		FB AQ.		Field Blank		Field Blank		Field Blank		Field Blank	
		11.0 - 11.5' 5768-015 9/15/2000 Soil	Conc Q MDL	9.5 - 10.0' 5768-014 9/15/2000 Soil	Conc Q MDL	5409-011 8/31/2000 Aqueous	Conc Q MDL	5409-011 9/1/2000 Aqueous	Conc Q MDL	5472-007 9/8/2000 Aqueous	Conc Q MDL	5768-008 9/14/2000 Aqueous	Conc Q MDL	5768-007 9/15/2000 Aqueous	Conc Q MDL
SVOCs (ppb)															
Total Targeted Compounds															
2-Methylnaphthalene	36400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41000	102	205	205	205	0.11	0.11	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Anthracene	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	224	102	205	205	205	0.18	0.18	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Benzo[a]pyrene	61	102	205	205	205	0.25	0.25	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Benzo[b]fluoranthene	1100	102	205	205	205	0.34	0.34	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Benzo[g,h,i]perylene	50000	ND	ND	ND	ND	0.55	0.55	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Benzo[k]fluoranthene	1100	102	205	205	205	0.55	0.55	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
bis(2-Ethylhexyl)phthalate	50000	ND	ND	ND	ND	0.69	0.69	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	400	ND	ND	ND	ND	0.4	0.4	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Dibenz[a,h]anthracene	14	ND	ND	ND	ND	0.42	0.42	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Dibenzofuran	6200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzophthalate	7100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	8100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50000	ND	ND	ND	ND	0.41	0.41	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Fluorene	50000	ND	ND	ND	ND	0.37	0.37	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Indeno[1,2,3-cd]pyrene	3200	ND	ND	ND	ND	0.62	0.62	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Naphthalene	13000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50000	ND	ND	ND	ND	0.15	0.15	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Pyrene	50000	ND	ND	ND	ND	0.26	0.26	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Total Non-Targeted Peaks		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Tab
 Summary of Groundwater Sampling Results For General Site Coverage
 Westchester County Airport
 Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-10		FMW-11		FMW-24		FMW-25		FMW-26		TB AQ. Trip Blank 6770-006 10/26/2000 Aqueous	
		Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL	Conc	Q MDL
VOCs (ppb)													
Total Targeted Compounds		1.83		3.58		3.39		1.16		ND		ND	
1,2,4-Trichlorobenzene	5	ND	0.230	ND	0.230	ND	0.230	ND	0.230	ND	0.230	ND	0.230
1,3,5-Trimethylbenzene	5	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone(MEK)	50	ND	0.410	ND	0.410	ND	0.410	ND	0.410	ND	0.410	ND	0.410
4-Isopropyltoluene	5	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)	~	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250
Acetone	50	ND	0.700	3.58	0.700	3.39	0.700	ND	0.700	ND	0.700	ND	0.700
Benzene	1	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250
Carbon Disulfide	~	1.04	0.440	ND	0.440	ND	0.440	ND	0.440	ND	0.440	ND	0.440
Chlorobenzene	5	ND	0.280	ND	0.280	ND	0.280	ND	0.280	ND	0.280	ND	0.280
Chloroform	7	ND	0.280	ND	0.280	ND	0.280	ND	0.280	ND	0.280	ND	0.280
cis-1,2-Dichloroethene	5	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Ethylbenzene	5	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Isopropylbenzene	5	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Methylene Chloride	5	ND	1.91	ND	1.91	ND	1.91	ND	1.91	ND	1.91	ND	1.91
Methyl-t-Butyl Ether (MTBE)	10	0.786	0.630	ND	0.630	ND	0.630	1.16	0.630	ND	0.630	ND	0.630
Naphthalene	10	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	5	--	--	--	--	--	--	--	--	--	--	--	--
n-propylbenzene	5	--	--	--	--	--	--	--	--	--	--	--	--
sec-butylbenzene	5	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	5	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	ND	0.390	ND	0.390	ND	0.390	ND	0.390	ND	0.390	ND	0.390
Total Xylenes	5	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880	ND	0.880
Toluene	5	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Trichloroethene	5	ND	0.360	ND	0.360	ND	0.360	ND	0.360	ND	0.360	ND	0.360
Vinyl Chloride	2	ND	0.390	ND	0.390	ND	0.390	ND	0.390	ND	0.390	ND	0.390
Total Non-Targeted Peaks		ND		ND		ND		ND		30.1		ND	

Summary of Groundwater Sampling Results For General Site Coverage
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-10		FMW-11		FMW-24		FMW-25		FMW-26		TB AQ. Trip Blank 6770-006 10/26/2000 Aqueous	
		Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
SVOCs (ppb)													
Total Targeted Compounds													
2-Methylnaphthalene	~	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.180
Acenaphthene	20	ND	0.110	ND	0.110	ND	0.110	ND	0.110	ND	0.110	ND	0.110
Acenaphthylene	~	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.180
Anthracene	50	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.180	ND	0.180
Benzo[a]anthracene	0.002	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250	ND	0.250
Benzo[a]pyrene	ND	ND	0.340	ND	0.340	ND	0.340	ND	0.340	ND	0.340	ND	0.340
Benzo[b]fluoranthene	0.002	ND	0.550	ND	0.550	ND	0.550	ND	0.550	ND	0.550	ND	0.550
Benzo[g,h,i]perylene	~	ND	0.550	ND	0.550	ND	0.550	ND	0.550	ND	0.550	ND	0.550
Benzo[k]fluoranthene	0.002	ND	0.690	ND	0.690	ND	0.690	ND	0.690	ND	0.690	ND	0.690
bis(2-Ethylhexyl)phthalate	5	ND	0.730	ND	0.730	ND	0.730	ND	0.730	ND	0.730	ND	0.730
Carbazole	~	ND	0.290	ND	0.290	ND	0.290	ND	0.290	ND	0.290	ND	0.290
Chrysene	0.002	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Dibenz[a,h]anthracene	~	ND	0.420	ND	0.420	ND	0.420	ND	0.420	ND	0.420	ND	0.420
Dibenzofuran	~	ND	0.170	ND	0.170	ND	0.170	ND	0.170	ND	0.170	ND	0.170
Diethylphthalate	50	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300	ND	0.300
Di-n-butylphthalate	50	ND	0.480	ND	0.480	ND	0.480	ND	0.480	ND	0.480	ND	0.480
Di-n-octylphthalate	50	ND	0.630	ND	0.630	ND	0.630	ND	0.630	ND	0.630	ND	0.630
Fluoranthene	50	ND	0.410	ND	0.410	ND	0.410	ND	0.410	ND	0.410	ND	0.410
Fluorene	50	ND	0.370	ND	0.370	ND	0.370	ND	0.370	ND	0.370	ND	0.370
Indeno[1,2,3-cd]pyrene	0.002	ND	0.620	ND	0.620	ND	0.620	ND	0.620	ND	0.620	ND	0.620
Naphthalene	10	ND	0.130	ND	0.130	ND	0.130	ND	0.130	ND	0.130	ND	0.130
Phenanthrene	50	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150	ND	0.150
Pyrene	50	ND	0.260	ND	0.260	ND	0.260	ND	0.260	ND	0.260	ND	0.260
Total Non-Targeted Peaks:		ND		ND		ND		ND		5.50	B	ND	

Summary of Groundwater Sampling Results For General Site Coverage
Westchester County Airport
Westchester, New York

Client ID: Sample Depth: Lab ID: Date Sampled: Matrix:	TOGS Groundwater Guidance Values	FMW-10 6770-004 10/26/2000 Aqueous Conc Q MDL	FMW-11 6770-005 10/26/2000 Aqueous Conc Q MDL	FMW-24 6770-003 10/26/2000 Aqueous Conc Q MDL	FMW-25 6770-001 10/26/2000 Aqueous Conc Q MDL	FMW-26 6770-002 10/26/2000 Aqueous Conc Q MDL	TB AQ. Trip Blank 6770-006 10/26/2000 Aqueous Conc Q MDL	
PCB's Total Targeted Compounds	0.09*	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	-	
Pesticides Total Targeted Compounds	0.01	ND 0.01	ND 0.01	ND 0.01	ND 0.01	ND 0.01	-	
Alcohols Ethylene glycol Propylene glycol	50 -	- -	- -	- -	- -	- -	- -	
CYANIDE Cyanide, Total	200	ND 20.0	ND 20.0	ND 20.0	ND 20.0	ND 20.0	-	
METALS (ppb) Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Vanadium Zinc	- 3 25 1000 3 5 ~ 50 ~ 200 300* 25 35000 300* 0.7 100 ~ 10 50 20000 ~ 2000	22500 ND ND 1560 4.82 ND 50000 48.5 281 456 78400 58.9 17500 10800 ND 369 18900 ND 9730 105 287	3990 ND 6.82 94.6 ND ND 35200 ND ND ND 13700 10.2 15300 4000 ND ND 6400 ND 9730 105 287	5990 ND 4.26 192 ND ND 70100 ND ND ND 14300 8.47 26400 897 ND ND 8360 ND 15200 ND 66.4	35400 ND ND 3950 7.29 2.10 165000 43.7 251 387 43600 35.3 70300 12400 ND 131 17600 ND 6570 192 374	14600 ND ND 716 ND ND 47500 42.7 ND ND 14900 10.5 24800 2810 ND 39.8 9030 ND 24800 49.4 87.1	100 8.00 4.00 20.0 4.00 0.600 800 20.0 40.0 40.0 100 4.00 200 10.0 0.500 20.0 200 8.00 0.400 30.0 20.0	- -

**TABLE 27
GROUNDWATER MONITORING LOCATIONS
WESTCHESTER COUNTY AIRPORT
WESTCHESTER, NEW YORK**

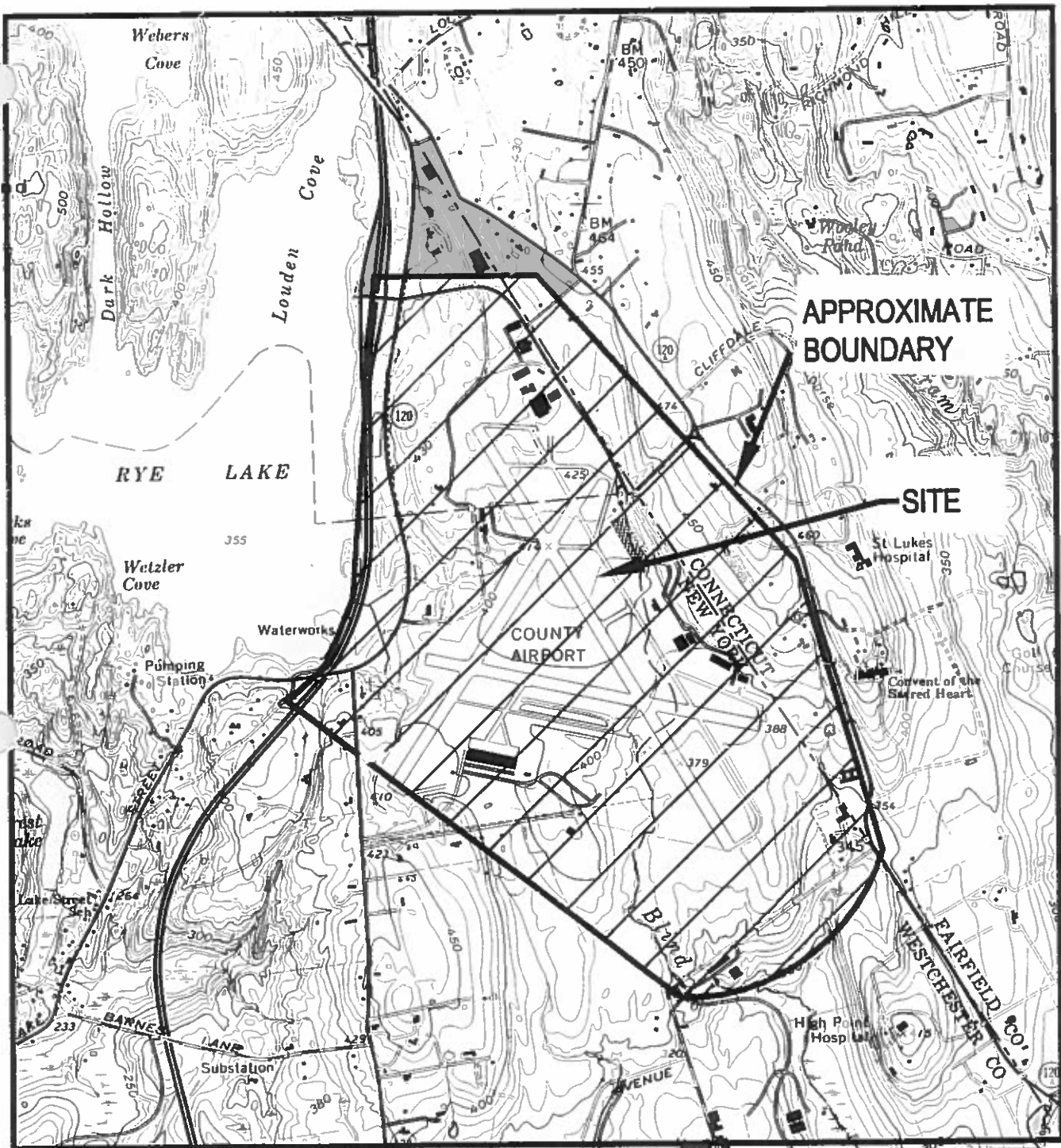
Monitoring Well Location	Aquifer Screened	Monitoring Well Type Sentinel (S) or Regulatory Control (RC)	Rationale (Area Monitored)
DEPMW-1	Overburden	S	Study Area Boundary Sentinel Well
DEPMW-3	Overburden	S	Study Area Boundary Sentinel Well
DPWMW-2	Overburden	RC	Area #19
FMW-1R	Overburden	S, RC	Areas #19 & #20 Study Area Boundary
FMW-2R	Overburden	RC	General Site Coverage
FMW-3	Overburden	S	Study Area Boundary Sentinel Well
FMW-4	Overburden	S	Study Area Boundary Sentinel Well
FMW-6	Overburden	RC	Area #25
FMW-7	Overburden	RC	Area #25
FMW-8	Overburden	RC	Area #25
FMW-10	Overburden	RC	General Site Coverage
FMW-11	Overburden	RC	General Site Coverage
FMW-12	Overburden	RC	Area #34
FMW-13	Overburden	S	Study Area Boundary Sentinel Well
FMW-14	Overburden	S	Study Area Boundary Sentinel Well
FMW-15	Overburden	S	Study Area Boundary Sentinel Well
FMW-16	Overburden	S	Study Area Boundary Sentinel Well
FMW-17	Overburden	RC	Area #36
FMW-19	Overburden	RC	Areas #26 & #27
FMW-23	Bedrock	RC	Area #25
FMW-24	Overburden	RC	General Site Coverage
FMW-25	Overburden	S	Study Area Boundary Sentinel Well
FMW-26	Overburden	S	Study Area Boundary Sentinel Well
FMW-27	Overburden	RC	Area #36
FMW-30	Overburden	RC	Areas #26 & #27
FMW-31	Overburden	RC	Area #34

**TABLE 27
GROUNDWATER MONITORING LOCATIONS
WESTCHESTER COUNTY AIRPORT
WESTCHESTER, NEW YORK**

Monitoring Well Location	Aquifer Screened	Monitoring Well Type Sentinel (S) or Regulatory Control (RC)	Rationale (Area Monitored)
FMW-32	Overburden	S, RC	Area #34, Study Area Boundary Sentinel Well
FMW-33	Overburden	RC	Area #34
FMW-34	Overburden	S, RC	Area #34, Study Area Boundary Sentinel Well
FMW-35	Bedrock	S, RC	Area #34, Study Area Boundary Sentinel Well
FMW-36	Bedrock	RC	Area #34
FMW-37	Overburden	RC	Area #34
FMW-38	Overburden	S, RC	Areas #12 & #16, Study Area Boundary Sentinel Well
FMW-39	Overburden	S	Study Area Boundary Sentinel Well
FMW-40	Overburden	S, RC	Area #34, Study Area Boundary Sentinel Well
GEMW-2	Overburden	S, RC	Area #29, Study Area Boundary Sentinel Well
TEXMW-1	Overburden	RC	Areas #8 & #9
SUPPLY WELL	Bedrock	S	Study Area Boundary Sentinel Well
PMMW-1	Overburden	RC	Areas #8 & #9
WW-1	Bedrock	S	Study Area Boundary Sentinel Well
XDD MW-3	Overburden	RC	Areas #8 & #9
XDD MW-5	Overburden	S, RC	Areas #8 & #9, Study Area Sentinel Well
XDD MW-7R	Bedrock	RC	Areas #8 & #9
XDD MW-10	Bedrock	S, RC	Areas #8 & #9, Study Area Sentinel Well
XDD MW-11	Bedrock	RC	Areas #8 & #9
XDD MW-12	Overburden	RC	Areas #8 & #9
XDD MW-13	Overburden	RC	Areas #8 & #9

Note: Location, designation and construction of XDD wells must be verified
 Study Area Boundary refers to wells at or near the perimeter of the Study Area consisting of the Airport and the area to the west to Rye Lake
 General Coverage refers to wells not associated with a specific Study Area or Study Area Boundary but included to eliminate potential data gaps at the site and are therefore included as regulatory control wells

FIGURES



REFERENCE: GLENVILLE, CONN. - N.Y.
 QUADRANGLES 7.5 MIN SERIES
 1960 PHOTOREVISED 1971


 SCALE: 1" = 2000'

FIGURE 1
 SITE LOCATION MAP
 WESTCHESTER COUNTY
 AIRPORT
 HARRISON, N.Y.

APPENDIX 1

APPENDIX 1: GLOSSARY

ANG	Air National Guard
EMS	Environmental Management System
EPA	United States Environmental Protection Agency
MSL	Mean sea level
MTBE	Methyl tertiary butyl ether
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
PID	Photoionization Detector
PPB	Parts per billion
PPM	Parts per million
SIR	Site Investigation Report
SPDES	State Pollution Discharge Elimination System
STARS	Spill Technology and Remediation Series
SVOCs	Semi-volatile organic compounds
TAGM	Technical and Administrative Guidance Memorandum
TCL	Target Compound List
TIC	Tentatively identified compound
TOGs	Technical and Operational Guidance Series
USGS	United States Geologic Survey
UST	Underground Storage Tank
VOCs	Volatile organic compounds
WCDOT	Westchester County Department of Transportation

List of Documents Reviewed

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
	Figure	WCC Airport – Airport Layout Plan	WCC Airport	None
	Report	Tank Closure Summary Report: WestAir Flight School	Papitto Construction Co., Inc.	NYSDEC
	Report	West Chester County Spill Report (1979-1998) Handwritten	None Listed (WCC Airport)	None
	Table	Underground Storage Tank Inventory	P. Scherrer, WCC Airport	None Listed
	Form	NYSDEC Spill Report Forms (WCC Airport Spill Notifications)	Various	NYSDEC
07/06/1949	map	Air National Guard Facilities, Plot Plan	Corps of Engineers, US Army	
04/05/1950	map	Westchester County Airport, Paving of Apron, Plan of Utilities	Alexander D. Crosett, Dept of Army	
12/31/1951	map	General Utilities Plans, Water & Aviation Gasoline Storage	Mayer & Whittles, Architects-Engineers	
01/01/1955	map	Master Plan For Westchester County Airport		
07/16/1962	map	Plot Plan, General Construction, Addition (dispensary) to Admin. Building, NY Air National Guard Facilities	State of New York, Division of Military and Naval Affairs	
10/27/1966	map	Proposed Auxiliary Power Supply		
06/30/1967	maps	Westechster Co. Airport-ANG	H.D. Nottingham and Associates Inc. Engineers-Architects	
03/13/1975	Manifest	Hazardous Waste Manifest re WCC Airport Disposal of Mercury Waste	WCC Airport	Evergreen Environmental Group, Inc.

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
06/30/1975	maps	Base Master Plan/YSSF, Westchester Co. Airport-ANG, 105th TASW		
06/24/1991	Report	Lab Data Report re Site/Spill #15	Tyree Bros. Environmental Services	P. Scherrer, WCC Airport
02/01/1992	Report	Ground Water and Surface Water Sampling, WCC Airport Site	Lockwood, Kessler & Bartlett, Inc.	WCC Dept. of Public Works
03/08/1993	Letter	Discussion topics re environmental work for the fuel farm renovation project	Peter Scherrer, WCC Airport	William All, Exxon Co. USA
09/01/1993	Report	Site History Harrison Subresidency	Lawler, Matusky & Skelly	NYSDOT
01/31/1994	Report	Environmental Site Investigation (Bldg. #4: Contract No. 93-041)	Tyree Environmental Technologies	WCC-DPW
08/23/1994	Letter	Skyport: Spill # 94-0-6172 (removal of 550-gal. UST)	Ira D. Conklin & Sons (D. Thompson)	Mike Ciafone, WCC Airport
08/23/1994	Letter	NYSDEC Spill No. 94-0-6172	Deborah Thompson, Ira D Conklin	Mike Ciafone/Skyport
12/04/1994	Letter	Cost Breakdown: Incineration of contaminated soil generated from the fuel farm renovation project	Peter Schererer, WCC Airport	T.G. Campbell, Manager, Operations International
01/01/1995	Report	Harrison Subresidency PSA	Lawler, Matusky & Skelly	NYSDOT
02/06/1995	Report	Environmental Review (Conditions at WCC Airport)	P. Scherrer	Internal
02/13/1996	Memo	SEQRA Documentation for IBM HQ Corp. Hangar at the WCC Airport	P. Lynn Oliva, WCC Dept. of Planning	Jamie Hastings, Dir. Of Govt. Relations
02/14/1996	Letter	Environmental Enhancements at the WCC Airport	R. Bracchilla, WCC Airport	James Benson, NYCDEP
04/08/1996	Memo	IBM Corporate Hangar -- Review of Full Plans	C. Maxwell, WCC Dept. of Planning	Joel Russell, Airport Mgr.
05/01/1996	Report	R/F/S Work Plan: Mobil Oil Corporation, WCC Airport	Malcolm Pirnie, Inc.	Mobil Oil Corporation, EH&S Dept.

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
05/01/1996	Report	IBM CHQ Hangar, WCC Airport	David Brickley of The Whiting-Turner Contracting Co.	J. Russell, WCC Airport; Johnson Controls World Services
08/20/1996	Report	Spill Clean-up Westchester County Airport, Behind Airport Maintenance Bldg.	Tyree Environmental Technologies	WCC Airport
08/20/1996	Report	Spill Clean-up WCC Airport	Tyree Environmental Technologies, Inc.	Mr. Nick Rienzi, WCC Airport
02/07/1997	Report	Evaluation of Remediation Alternatives and Drainage Modifications, Harrison Subresidency	Harza Northeast	NYSDOT
03/05/1997	Memo	Proposal for WCC Airport Tank Removal Soils Testing Phase I.	The GEA Group (S. Gamelsky)	John J. Hsu, WCC
03/25/1997	Report	Soil Sampling Investigation for Tank Removal at WCC Airport	GEA Engineering, PC	John J. Hsu, Asst. Commissioner, WCC-DOT
04/14/1997	Figure	WCC Airport -- Airport Layout Plan	WCC Airport	None
04/17/1997	Report	Prevailing Hourly Wage Rate Schedule re Fuel Oil Tank Spill Clean-up & Disposal	Chet Rysedorph; NYS-DOL, Bureau of Public Work	Donna Profit, WCC-DOT, WCC Airport
04/30/1997	Report	Responses to NYSDEC RI report comments	M. van der Heijden, Malcolm Pirnie	Keith Browne, NYSDEC
06/13/1997	Form	Contracts, Manifests, etc. re excavation and disposal of contaminated soil	WCC Airport	Castlton Excavating, Inc.
07/29/1997	Report	Environmental Assessment Report	SECOR, Darren Scillieri	Signature Flight Support Corp.
08/08/1997	Letter	Scope of Services based on results of additional Analytical Testing	Frank Apicella, WCC Construction Coordinator	Castleton Environmental Contractors
08/12/1997	Letters	WCC Airport, Short Form A-8-97, Disposal of Contaminated Soil	F. Cumiskey, Castlton Excavating Inc.	Frank Apicella, WCC Construction Coordinator
10/10/1997	Form	Payment Vouchers/Admin. Data re Analysis of contaminated soil	WCC Airport	Accu-Probe Technologies
10/16/1997	Form	Payment Vouchers/Admin. Data re UST removals	WCC Airport	The GEA Group

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
11/01/1997	Report	Landfill Closure Harrison Subresidency 95% Pre Final	Lawler, Matusky & Skelly	NYSDOT
12/04/1997	Letter	Spill #96-11948 Closure	Michael Buzzelli	Frank Apicella
01/25/1998	Report	UST Closure Report: WCC Airport Building 15	Ira D. Conklin & Sons	WCC Airport
01/25/1998	Report	UST Closure Report: WCC Airport, Hangar F	Ira D. Conklin & Sons, Inc.	WCC Airport
03/06/1998	Report	Report on Subsurface Investigations and Foundation Recommendations, GE Corporate Air Transport Facility	Haley & Aldrich, Inc.	General Electric Company, Inc.
06/01/1998	Report	Preconstruction Monitoring, Harrison Subresidency	Lawler, Matusky & Skelly	NYSDOT
06/24/1998	Letter	Response to Natural Attenuation proposal -- Former Mobil Hangar Site	K. Browne, NYSDEC	Greg Hill, Mobil
07/14/1998	Letter	Response to 6/24/98 NYSDEC letter (#73)	Greg Hill, Mobil	K. Browne, NYSDEC
07/16/1998	Memo	Re: Hangar D-1, Bay 1 Subsurface Contamination	Peter Scherrer, WCC Airport	File
09/08/1998	Form	NYSDEC Spill Report Form (#9806992)	Vince Papitto @ WCC Airport	NYSDEC
09/24/1998	Letter	Stormwater runoff & GW quality	Peter Dermody/FPM	Karen Shultz
11/05/1998	Report	Ground Water Site Summary submitted to WCC Environmental Committee	W. Harrington for Bleakley Platt & Schmidt	G. D'Agrosa, Westchester County Department of Planning
12/10/1998	Report	WCC Environmental Review	P. Scherrer, WCC Airport	None Listed
01/13/1999	Article	Source of Supply Information, Concern about Glycols in Rye Lake Water	Westchester Joint Water Works	None Listed
01/28/1999	Letter	NYSDEC Spill Reporting Closure Request	P. Scherrer, WCC Airport	Ralph Butler, WCC-DPW
02/01/1999	Article	City's Two Top Reservoirs are Under Attack	NRD Council; Federal Conservationists of WCC	Public Press Release

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
02/05/1999	Report	Supplemental Information for the Interim Remedial Measures Contractor Scope of Work	Blasland, Bouck & Lee	
02/08/1999	Report	FAA Control Tower Tank Removal Closure Plan	P. Scherrer, WCC Airport	Michael Circosta, WCC-DPW
03/03/1999	Report	Underground Storage Tank Closure Report: WCC Airport, Buildings #1, #4 & #5	ERD Environmental, Inc.	WCC
03/08/1999	Letter	NYSDEC Spill Closure Report: Old Car Rental Facility	Peter Scherrer, WCC Airport	Mike Circosta, WCCDPW
04/01/1999	Report	Registry of Inactive Hazardous Waste Disposal Sites in NY State	NYDEC	
04/01/1999	Report	1999 Storm Water Management Plan, vol. 1-3	Dvirka and Bartiucci Consulting Engineers	WCC Dept. of Public Works
04/12/1999	Report	WCC Airport Fuel Farm Area Immediate Response Action Investigation Report	Blasland, Bouck & Lee (BB&L)	Westchester County Dept. of Public Works
04/19/1999	Report	Harrison Subresidency: Basis of Design Report; Air Sparging and Soil Vapor Extraction Report	Lawler, Matusky & Skelley Engineers LLP	NYSDOT
04/20/1999	Memo	Update of twenty spill cases/synopsis	Dan Bendell, NYSDEC	C. Manfredi, NYSDEC
04/28/1999	Memo	re BBL's April 1999 Fuel Farm Immediate Response Action	Dan Bendell, NYSDEC	Cesare Manfredi, NYSDEC
04/29/1999	Letter	Schedule for Closure of Spill Cases	C. Manfredi, NYSDEC	A. Landi, WCC-DPW
04/29/1999	Letter	Status of open spills after closure report review	C. Manfredi, NYSDEC	A. Landi, WCC-DPW
04/30/1999	Report	TRANSPORTATION PROJECT REPORT: Design Report / Env. Impact Statement, vol. 1	Evans Associates Environmental Consulting, Inc.	NYSDOT
05/07/1999	Letter	re Schedule for Recommended Remediation @ WestAir Flight School Site	Cesare Manfredi, NYSDEC	Anthony Landi, WCC Dept. of Public Works

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
05/14/1999	Letter	Asbestos Abatement -- Hangar B	Joel Russell, WCC Airport	Anthony Landi, WCC Dept. of Public Works
05/21/1999	Report	WCC Airport WestAir Flight School Investigation Report	Blasland, Bouck & Lee, Inc.	WCC Dept. of Public Works
05/28/1999	Report	Subsurface Investigations/UST Closure Reports	Michael Circosta, WCC Dept. of Public Works	Robert Bracchitta, DOT
05/28/1999	Letter	re Ongoing Remediation Project that address four open spill numbers	Anthony Landi, WCCDPW	Cesare J. Manfredi, NYSDEC
06/09/1999	Report	Improvements to WCC Airport Stormwater Drainage System - Phase IIA	Dvirka and Bartiucci Consulting Engineers	WCC Dept. of Public Works / Division of Engineering
06/14/1999	Letter	Environmental Concerns at WCC Airport	P. Dermody; Fanning, Phillips and Molnar	Karen Shultz; West Harrison Civic Association
06/17/1999	Report	SPDES Permit no. NY-0075132, Sample Results of March 17, 1999	Thomas Rudolph, NYSDEC	Peter Scherrer, WCC Airport
06/23/1999	Letter	Subsurface Investigations and Foundation Recommendations, GE Corporate Air Transport Facility, WCC Airport	Peter Dermody, FPM	Joel Russell, WCC Airport
07/01/1999	Form	Petroleum Bulk Storage Registration Certificate (Multiple USTs)	WCC Dept. of Health, Office of Env. Health Risk Control	Peter Scherrer, WCC Airport
07/01/1999	Report	Kensico Watershed Study Annual Research Report April 1998 - March 1999	NYCDEP	
07/02/1999	Letter	Re Closure of Union Carbide Spill case (Hangar D)	Peter Scherrer, WCC Airport	S. Moore, Union Carbide
07/09/1999	Report	TRANSPORTATION PROJECT REPORT: Design Report / Env. Impact Statement: Vol IV; Wetland Delineation	Evans Associates Environmental Consulting, Inc.	NYS DOT
07/09/1999	Report	TRANSPORTATION PROJECT REPORT: Design Report / Env. Impact Statement, Vol. I (Ries. 120 & 122)	Evans Associates Environmental Consultants, Inc.	NYS DOT

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
07/09/1999	Figures	TRANSPORTATION PROJECT REPORT: Design Report / Env. Impact Statement, Vol. I, Appendix F (11"x17" Figures)	Frederic R. Harris, Inc.	NYSDOT
07/12/1999	Letter	Re: unreported dump and exceedance of petroleum in soil	Karen Shultz	Cesare Manfredi, NYSDEC
07/21/1999	Letter	Re Airport Discharges of Petroleum and the Kensico Reservoir.	Michael Milligan; Sierra Club	Andy Spano; WCC Exec.
07/21/1999	Letter	re Sierra Club resolution for protection of Rye Lake watershed	George Klein	Andy Spano
07/23/1999	Letter	re Groundwater monitoring at WCC Airport	P. Dermody; Fanning, Phillips and Molnar	R. Funicello, WCC Airport
07/27/1999	Letter	Re Spill #9104044 (6 gallons jet fuel)	P. Scherrer, WCC Airport	Mike Circosta, DPW
07/28/1999	Letter	Project summary of work performed at the WCC Airport Service Station and Fuel Farm	Sharon Robinson, BB&L	M. Circosta, WCC-DPW
07/29/1999	Letter	Re Spill numbers that can be closed	Anthony Landi, WCC-DPW	C. Manfredi, NYSDEC
07/29/1999	Article	Oil and Water	The Westchester County Weekly	None
08/01/1999	Letter	re Conern over possible contamination of groundwater under WCC Airport (FIRST DRAFT)	Andy Spano	Mr. Michael Milligan
08/05/1999	Report	Results of Groundwater Monitoring in the Kensico Reservoir Watershed	James D. Benson, NYCDEP	M. Church, DOT Commissioner
08/09/1999	Letter	re Handling of airport waste pile at potential GE site	Albert Klauss, NYSDEC	Marvin Church, WCC-DOT
08/09/1999	Memo	Health Dept. Comments -- Michael Milligan Letter	Robert Vrana	Robert Funicello
08/11/1999	Memo	Airport Groundwater Study	Robert Funicello	Cliff Marrow
08/13/1999	Form	Copies of Soil Recycling Certificate, Cost Breakdown and Claim Form from Ira D. Conklin (Contract #93-447)	M. Circosta, WCC-DPW	R. Bracchitta, DOT

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
08/13/1999	Letter	Open Spill Updates: WCC Airport	Anthony Landi, WCC Dept. of Public Works	Cesare J. Manfredi, NYSDEC
08/20/1999	Report	Subsurface Investigation Results, WestAir Hangar B, Bristol-Myers Hangar D, Building 5	S. Graham, S&W Services, Inc.	Vincent Papitto, Papitto Construction
08/30/1999	Report	Geoprobe Subsurface Investigation Report: Hangar F	Ira D. Conklin & Sons	WCC Airport
09/01/1999	Report	WCC Airport Spill Report (1993-1998)	WCC Airport	File
09/07/1999	Letter	Monthly Progress Report -- Former Mobil Hangar	Greg Hill, Mobil	R. Pergadia, NYSDEC
09/17/1999	Letter	Site Characterization and Remedial Alternative Assessment--Fuel Storage and Distribution Facility	R. Kukenberger, BB&L	R. Butler, WCC-DPW
09/28/1999	Letter	Re pending Investigative Works Plan & Closure of Spills 98-06992, 98-11556, 98-11676	C. Manfredi, NYSDEC	Ralph Butler, WCC-DPW
09/30/1999	Letter	re Elimination of all aircraft operational surface drainage areas	Peter Scherrer, Asst. Airport Mgr.	Thomas Rudolph, NYSDEC
09/30/1999	Memo	Re BBL's Proposal for additional investigation at fuel storage facility	D. Bendell, NYSDEC	C. Manfredi, NYSDEC
09/30/1999	Letter	Work Plan for Additional Investigation of Fuel Storage and Distribution Facility	R. Kukenberger, BB&L	R. Butler, WCC-DPW
09/30/1999	Report	Site Closure Plan: Former Service Station Remediation Project, WCC Airport	S.I.T.E.S. Inc.	Blastand, Bouck & Lee, Inc.
10/11/1999	Data	Stormwater Management Plan/Monitoring Wells	Robert Haynie; Dvirka and Barilucci Engineers	Nick Rienzi; WCC Airport
10/20/1999	Figure	Harrison Subpresidency Site Layout/Contaminant Plume/MW Points	Lawler, Malusky & Skelly Engineers LLP	NYSDOT
10/25/1999	Memo	Re: WCC Airport Spill Case Submissions (10/1/99, 10/8/99)	Daniel Bendell, NYSDEC	C. Manfredi, NYSDEC

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
10/25/1999	Memo	Breakdown of NYSDEC record of open & closed spill cases at WCC Airport	Daniel Bendell, NYSDEC	C. Manfredi, NYSDEC
11/01/1999	Report	Post Construction Stage Monitoring, Harrison Subresidency	Lawler Malusky & Skelly	NYSDOT
11/02/1999	Letter	Re Additional Investigation at the Fuel Storage Facility (9/20/99)	R. Kukenberger, BB&L	D. Bendell, NYSDEC
11/08/1999	Letter	Revised Scope of Work	Cesare Manfredi	Anthony Landi
11/09/1999	Memo	Re revised scope of work for the fuel storage area investigation dated 11/2/99	R. Butler, WCC-DPW	Harry Stanton, DOT
11/15/1999	Letter	Re Fuel Farm Remediation and Spill Reports (Bldg. 3--NYNEX, Hangar D-2--Union Carbide)	P. Scherrer, WCC Airport	Ralph Butler, WCC-DPW
11/23/1999	Fax	Elevations & state plane coordinates for wells	Jim Boswell	Scott G.
12/10/1999	Letter	Update of Open and Closed NYSDEC Spill Case #'s	Pete Scherrer	Cesare Manfredi
12/16/1999	Report	Closure Report: Union Carbide (WCC Airport)	Technology Standards Associates, Inc.	NYSDEC
01/20/2000	Memo	ARFF Training Area--Contaminated Soil Removal (Budget)	Peter Scherrer	John Egner (DPW)
01/26/2000	Report	Summary of Investigative and Remedial Efforts--Fuel Storage and Distribution Facility and Service Station Site	Geologic Services Corp.	Exxon/Mobil Environmental Remediation
01/31/2000	Report	Kensico Watershed Study Semi-annual Progress Report	NYCDEP	
02/29/2000	Letter	Re: Spills	Cesare Manfredi	Lawrence Salley
03/01/2000	Letter	Westchester Airport	Peter Dermody	Karen Shultz

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESS
03/08/2000	Letter/Rep	Let. Rpt. For Recent Site Field Work, Hangar D, Bay 1 WCC Airport	XDD	ExxonMobile
03/14/2000	Letter	Workplan UST Assessment, Hangar D, WC Airport	Richard Brownell	Mohamad Tarifi
03/15/2000	Letter	Response to BTDD 3/10/00 letter	Peter Dermody/FPM	Tod Delaney
03/16/2000	Letter	Spill #93-00724 Closure, Open Spill Status	R. Daniel Bendell	Peter Scherrer
03/16/2000	Memo	WCA Spill Nos. Status	Daniel Bendell	Cesare Manfredi
04/10/2000	Letter	WCA GW Monitoring	Peter Dermody	Lawrence Sallley
04/17/2000	Letter	Re: Draft GW Flow & Sampling Plan	James Benson, NYCDEP	Stanton/Funicello
05/01/2000	Draft Rpt.	Post-Remediation Baseline Monitoring Well Sampling & Analysis Report	Henningson, Durham & Richardson	
05/05/2000	Letter	Bldg. #3 Investigative Workplan Spill #51-00237	R. Daniel Bendell	Peter Scherrer
05/05/2000	Letter	Hangar B Inv. & Remedial Work Plan	R. Daniel Bendell	Peter Scherrer
05/05/2000	Letter	Hangar B Inv. & Remedial Workplan Spill #98-11689	R. Daniel Bendell	Peter Scherrer
05/05/2000	Letter	Hangar D. Inv. Workplan Spill #98-13569	R. Daniel Bendell	Peter Scherrer
05/05/2000	Letter	Remediation Work Plan, Spill #99-1702	R. Daniel Bendell	Peter Scherrer
05/23/2000	Letter	WCA GW Monitoring	James Tierney	Lawrence Salley
06/01/2000	Report	Landfill Closure, Harrison Subresidency Post Closure Operations and Maintenance Manual	Lawler, Malusky & Skelly	NYSDOT
06/06/2000	Letter	Building #3 Investigation Work Plan	R. Daniel Bendell	Peter Scherrer
06/06/2000	Letter	Aircraft Rescuce and Firefighting Trining Pit	R. Daniel Bendell	Peter Scherrer

DATE	DOCTYPE	TITLE	AUTHOR	ADDRESSEE
07/01/2000	Report	Report of Findings of Investigation Activities Hanger D, Bay 1 UST Assessment	Malcolm Pirmie, Inc.	Bristol-Myers Squibb Company
08/17/2000	Report	Supplemental Groundwater Investigation Report WCA Fuel Storage and distribution Facility and Former Citgo Service Station	Geologic Services Corporation	ExxonMobil
09/01/2000	Report	Final Post-Remediation Baseline Monitoring Well Sampling and Analysis Report Former Gasoline Service Station Site	HDR	Westchester County Airport
09/12/2000	Letter	Hanger D Investigation Workplan Approval	R. Daniel Bendell	Peter Scherrer
09/12/2000	Letter	Building #3 Closure Report Approval	R. Daniel Bendell	Peter Scherrer
09/25/2000	Letter	Updater of Two Ongoing Spill Projects	Peter Scherrer	R. Daniel Dendell
12/06/2000	memo	NYSDEC Briefing Open Spills Westchester County Airport	Peter Scherrer	NYSDEC
02/01/2001	report	Draft Post-Remediation First Quarter Monitoring Well Sampling and Analysis Report Former Gasoline Service Station Site	HDR	Westchester County Airport
02/14/2001	Letter	Hanger D, Bay 1 Closure Report Data	Malcolm Pirmie	Peter Scherrer

Appendix 3

Regional Geology in The Vicinity of Westchester County Airport

The following discussion of the regional geology in the vicinity of Westchester County Airport has been prepared based on a review of publicly available publications on the geology of Westchester County.

The overburden present in the area of the site was deposited primarily by glaciers that covered Westchester during the most recent period of glaciation (Wisconsin Stage) that ended in Westchester County roughly 15,000 years ago (McGuire, 1991). Glacial deposits on site consist of till and outwash. Glacial till consists of unstratified material directly deposited by a glacier and consists of a mixture of clay, silt, sand, gravel, cobbles and boulders. Glacial outwash consists of sand and gravel deposited by the melt water streams at the edge of an active glacier.

Based on a review of available literature, the bedrock immediately underlying the site is part of the physiographic feature that is known as the Manhattan Prong (Fisher, 1970). The Manhattan Prong extends from New England to the southern tip of Manhattan (McGuire, 1991). The Manhattan Prong in the area from White Plains, New York to Glenville, Connecticut is generally underlain in descending order by Manhattan Schist, Inwood Marble, Lowerre Quartzite, and the Fordam Gneiss (Hall 1976).

The Manhattan Schist is reported to belong to the middle Ordovician Tappan or Taconic Sequence (Fuller, 1999). The Manhattan Schist is identified as terminating near the west end of the site near Rye Lake (Fisher, 1970). Schist is a hard, metamorphosed and strongly foliated rock with well-developed parallelism and rich in mica.

The Inwood Marble underlies the Manhattan Schist, where present, and directly underlays the area of Rye Lake (Fisher, 1970). The Inwood Marble formation belongs to the Cambro-Ordovician Sauk Sequence (Fuller, 1999). Marble is a metamorphic rock composed primarily of calcite (calcium carbonate). Near the contact between the Manhattan Schist and the Inwood Marble, the schistose rocks are reported to be inter-fingered layers of calcite marble (Fuller 1999).

The Lowerre Quartzite has been identified discontinuously at the contact between the Inwood Marble and the Fordam Gneiss (Hall, 1968). Quartzite is a hard rock formed by the metamorphism of sandstone, and is composed almost entirely of silica.

Underlying the Manhattan Schist and the Inwood Marble are the highly folded and older rocks known as the Fordham Gneiss. Gneiss is a hard foliated rock formed by regional metamorphism. The Fordham Gneiss is Precambrian in age (Hall 1976) and lies unconformably beneath the Inwood Marble. The various layers of the Fordham Gneiss are extensively folded and in places even overturned as a result of large-scale tectonic events including the Acadian and Taconic orogenic events (Hall, 1979).

Cameron's Line, an ancient and inactive thrust fault, marks the eastern boundary of the Manhattan Prong and represents the weld between two crustal plates (McGuire, 1991). Cameron's Line is located approximately one to two miles east of the site. However, because the specific location of Cameron's Line varies slightly in different literature its exact location in relation to the site could not be verified.

Several other faults are reported in the general vicinity of the site including the Saw Mill River Fault approximately five miles northwest of the site, the Croton Fault System approximately 12 miles west of the site and the Ridgefield and Georgetown faults approximately 15 and 16 miles northeast of the site respectively. No faults were identified in the immediate vicinity of the site. However, it is possible that smaller faults may be present on or adjacent to the site.

References Cited

Fisher, D.W, Isachen, Y.W., and Richard, L.V., 1970, Geologic Map of New York State, Lower Hudson Sheet, Chart and Map Series 15.

Hall, L. 1968, Times of origin and deformation of bedrock in the Manhattan Prong; in Studies Appalachian Geology: Northern and Maritime.

Hall, L., 1976, Preliminary correlation of rocks in southwestern Connecticut: Geological Society of America, Memoir 148.

Hall, L., 1979, Basement-cover relations in western Connecticut and Southeastern New York.

Fuller, T., Short, L., and Merguerian, C., 1999 Tracing the St. Nicholas Thrust and Cameron's Line Through the Bronx, NYC, Hofstra University Geology Department, Hempstead, New York.

McGuire, T., 1991, A Guide to the Geology of Westchester County", 1991, Special Publication #10, Rochester Mineralogical Symposium, Rochester, New York.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No. FMW-1
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/27/2000
 Driller: Kendrick Drilling
 Drilling method: Hollow stem auger
 Observer: W. Pendexter
 Comments: See well construction log for well details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Silty clay, dark brown to black; trace gravel. Dry.	CL	Cuttings	NM	NA	NA
5	Clayey silt and silty clay, dark greenish brown. Moist; semi-plastic. Wet at 14' to 15'. Becomes mostly clayey silt at 15'.	ML/CL				
10						
15						
20	End of boring.					
25						
30						

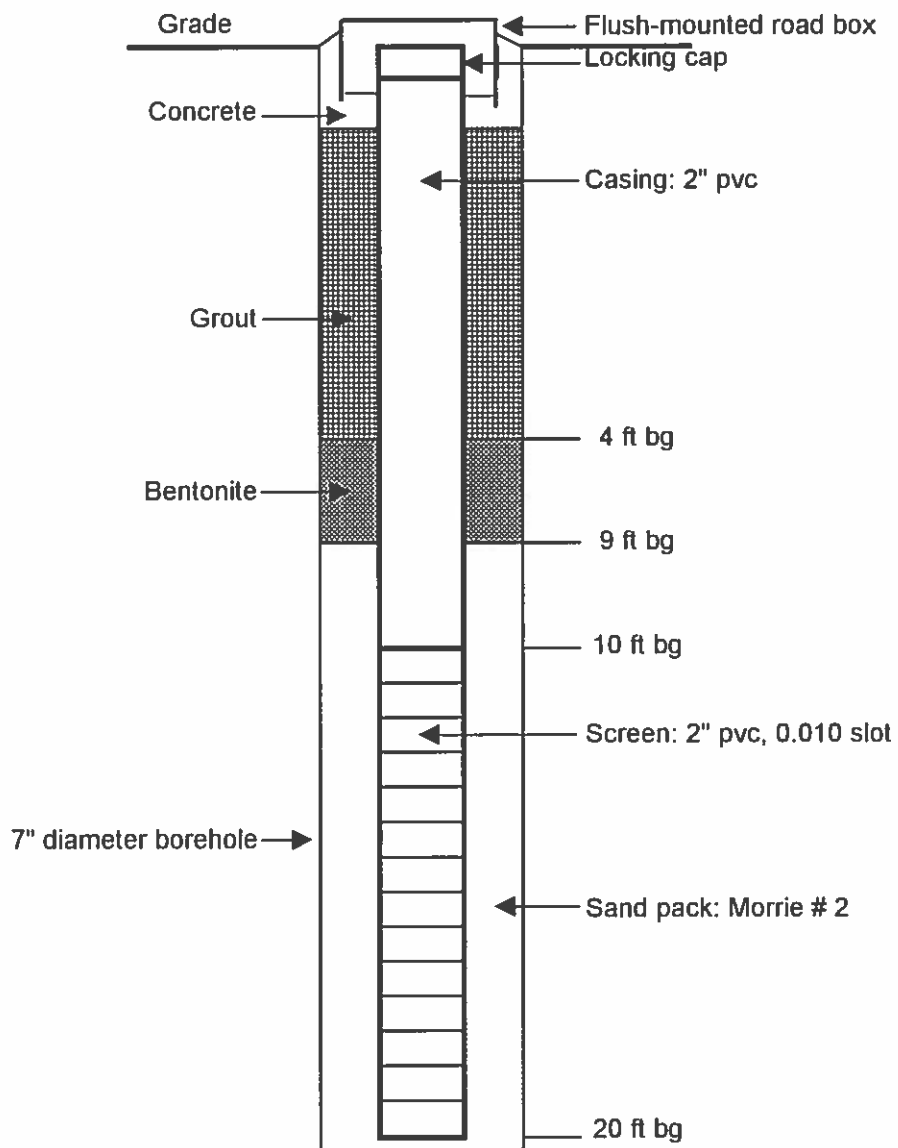
trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-1	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	W. Pendexter
Client:	Westchester County	Top-of-casing elevation:	NA
Site:	Westchester County Airport	Depth-to-water:	10 ft bg
Project:		Hydraulic conductivity:	NA
Date:	10/27/2000	Comments:	Well destroyed due to regrading.
Driller:	Kendrick Drilling		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-1R

Date: 07/28/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Martell

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Topsoil and fill; dark brown.		0-4	0	NA	4
	SAND, fine; some gravel; orange brown.	SP				
2	SAND, fine; little gravel; little clay; orange brown.	SP				
	SAND, fine; trace gravel; abundant mica flakes. Wet at 3'.	SP				
4			4-8	0	NA	4
	SAND, fine; light brown; abundant mica flakes.	SP				
6						
8			8-12	0	NA	4
	SAND, fine; little gravel; light brown.	SP				
10						
	SAND, fine; little gravel; trace clay.	SP				
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

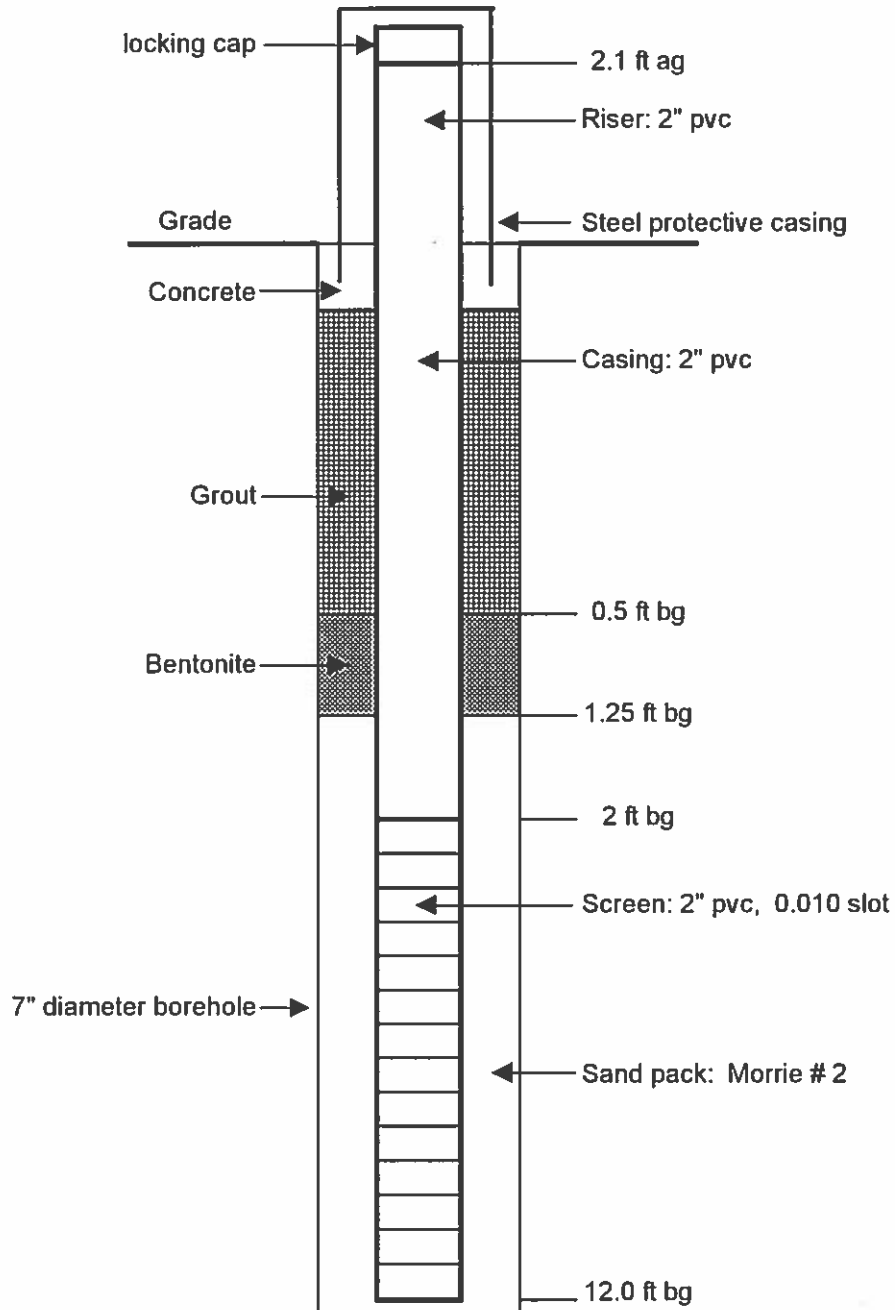
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-1R
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 07/28/2000
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: C. Martell
 Top-of-casing elevation: 440.90 ft AMSL
 Depth-to-water: 10.91 ft BTOC
 Hydraulic conductivity: 0.08 ft/day
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-2R	Date: 11/07/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Hollow-stem auger
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: Replacement well for FMW-2

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Clayey silt to silty clay, light brown to greenish brown, micaceous. Wet at 8'. End of boring.	SC	Cuttings	NM	NA	NA
2						
4						
6						
8						
10						
12						
14						
16						

trace = < 10%
little = 10% - 20%

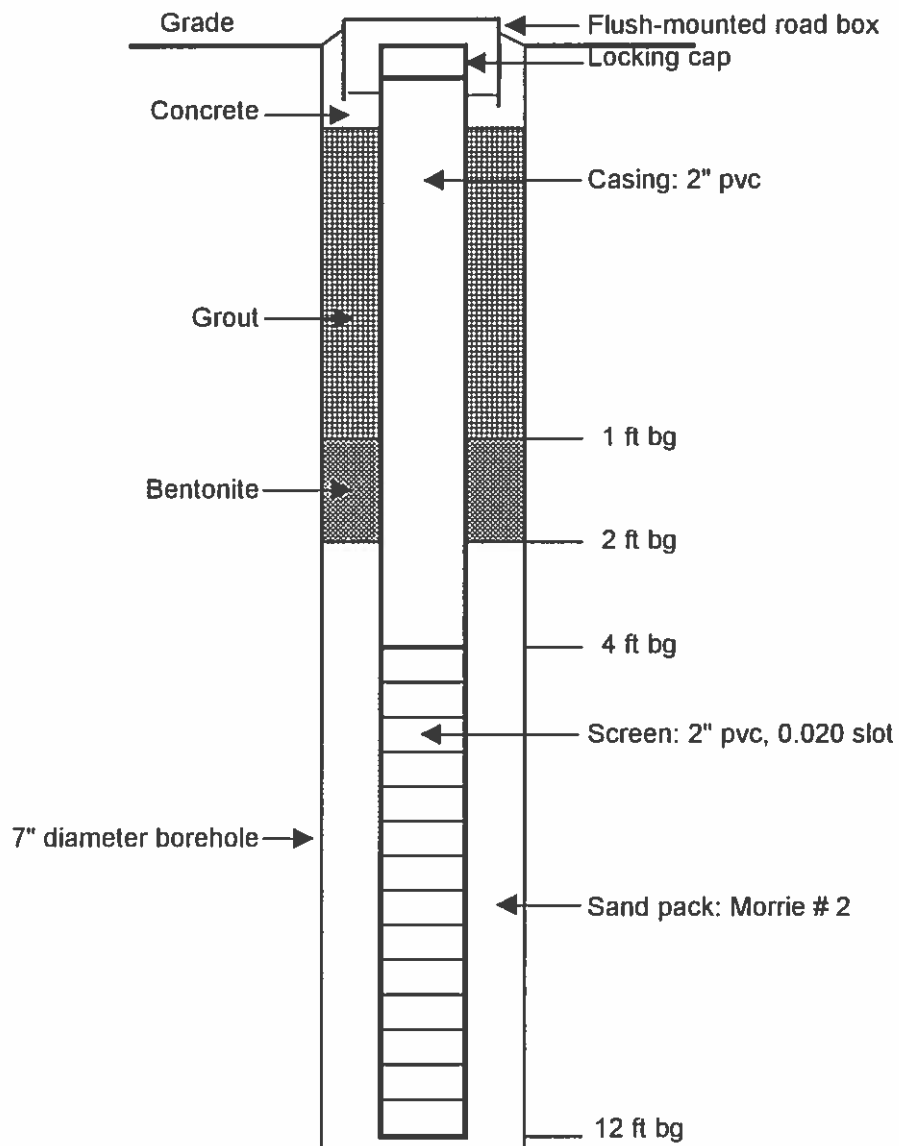
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-2R
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 11/07/2000
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: S. Green
 Top-of-casing elevation: 398.60 ft AMSL
 Depth-to-water: 4.68 ft BTOC
 Hydraulic conductivity: NM
 Comments: Replacement well for FMW-2.



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-3
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/28/00
 Driller: Kendrick Drilling
 Drilling method: Hollow-stem auger
 Observer: S. Green
 Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)	
0		NA	NA	NM	NA	NA	
2	Soil samples not collected by driller.						
4							
6							
8							
10							
12							
14							
14		End of boring.					
16							
18							

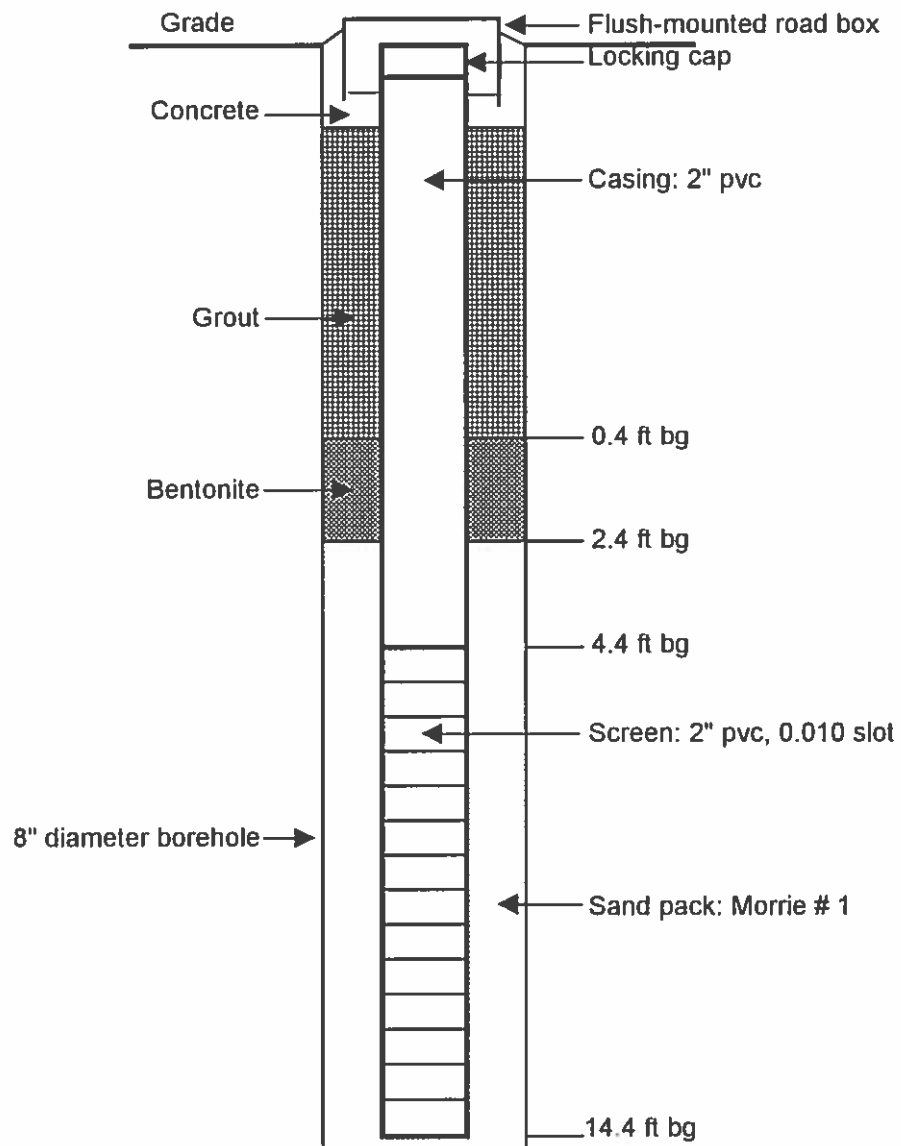
trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-3	Drilling method: Hollow-stem auger
Permit No.:	Observer: S. Green
Client: Westchester County	Top-of-casing elevation: 428.42 ft AMSL
Site: Westchester County Airport	Depth-to-water: 8.77 ft BTOC
Project:	Hydraulic conductivity: 8.34 ft/day
Date: 10/28/2000	Comments:
Driller: Kendrick Drilling	



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-4	Date: 10/28/99
Permit No.:	Driller: Kendrick Drilling
Client: Westchester County	Drilling method: Hollow-stem auger
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)						
0	Soil samples not collected by driller.											
2												
4												
6												
8												
10												
10							SAND, fine to medium; little gravel (schist fragments with mica flakes).	SW	10-12	NM	46 30 42 50	NM
12									13-15	NM	11 24 28 37	NM
14							End of boring.					
16												
18												
18												

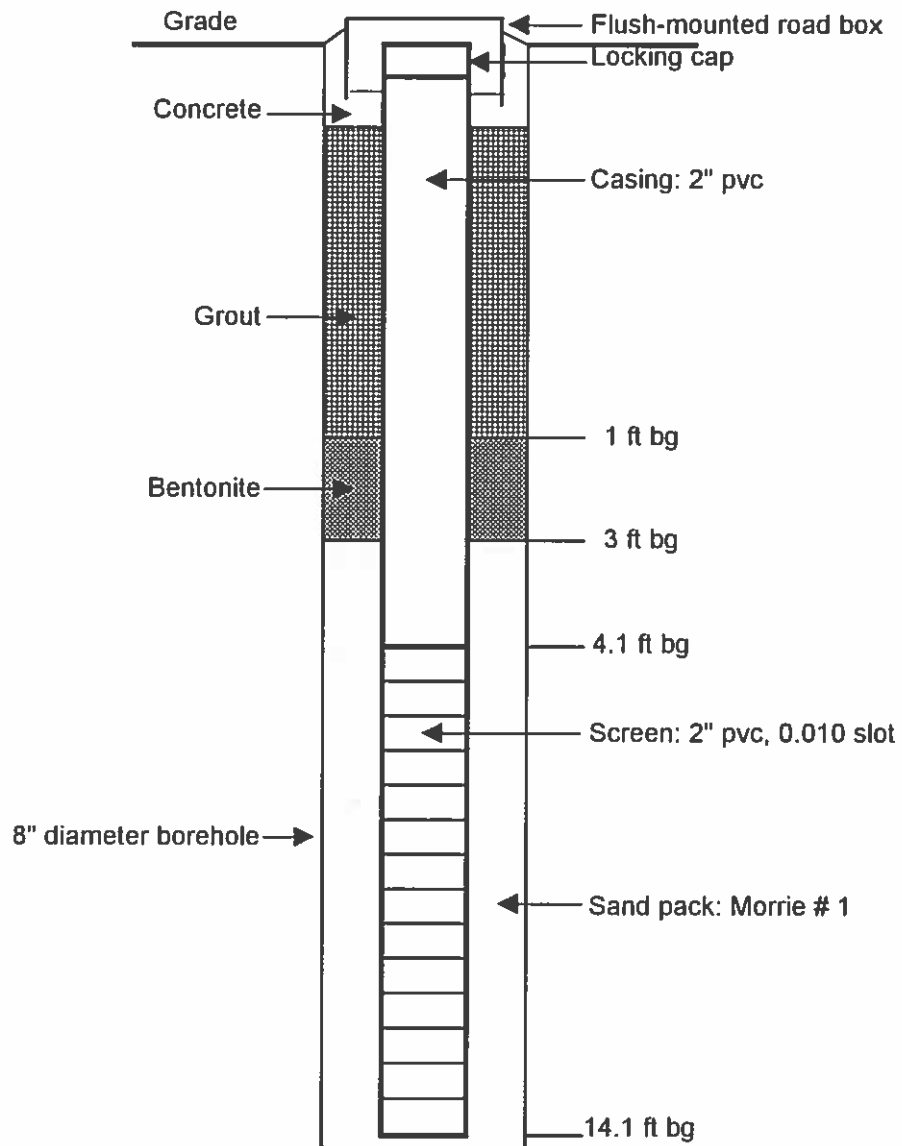
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-4	Drilling method: Hollow-stem auger
Permit No.:	Observer: S. Green
Client: Westchester County	Top-of-casing elevation: 366.62 ft AMSL
Site: Westchester County Airport	Depth-to-water: 3.93 ft bg
Project:	Hydraulic conductivity: 0.17 ft/day
Date: 10/28/1999	Comments:
Driller: Kendrick Drilling	



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-5	Date: 1/28/00
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Hollow-stem auger.
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)						
0	Soil samples not collected by driller (see soil boring B-5).											
2												
4												
6												
8												
10												
12												
12							End of boring.					
14												
16												
18												

trace = < 10%
little = 10% - 20%

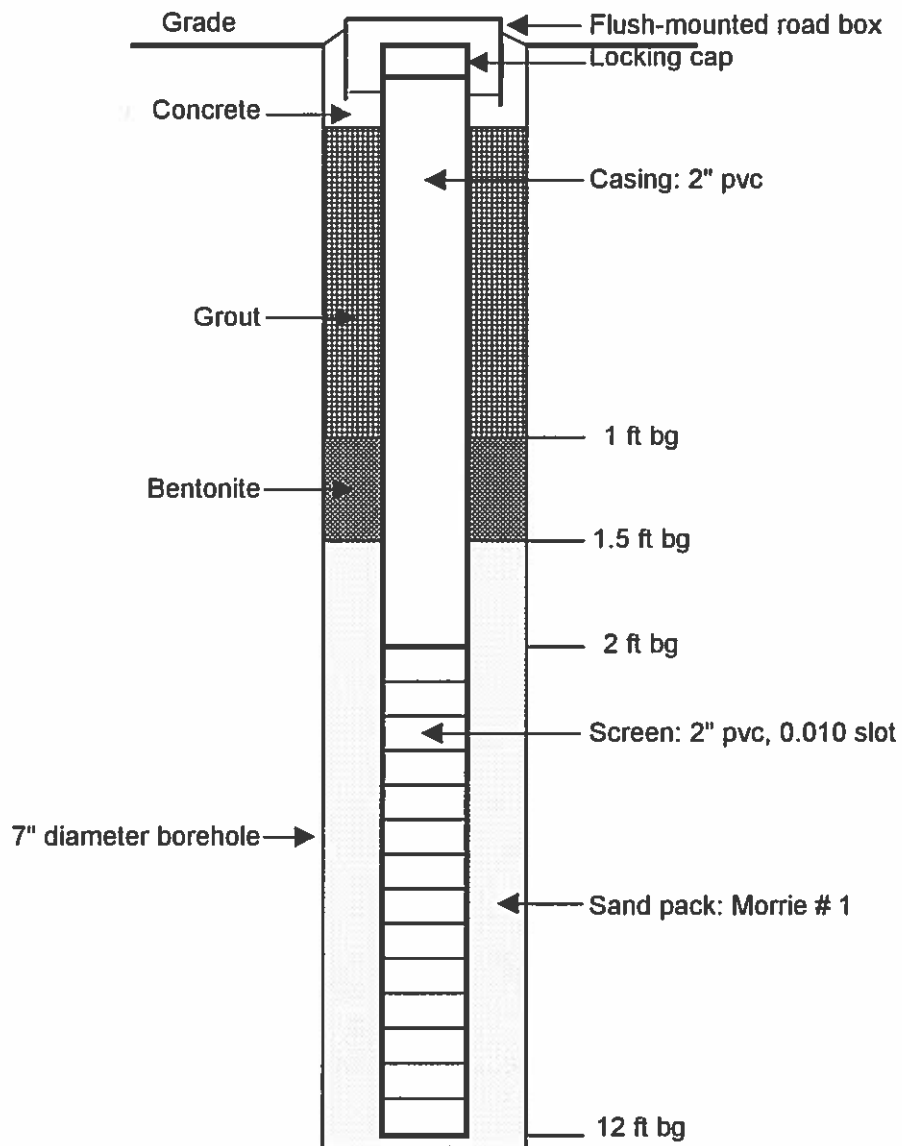
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-5
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 1/28/00
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: S. Green
 Top-of-casing elevation:
 Depth-to-water:
 Hydraulic conductivity:
 Comments: This well was removed during soil excavation.



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-6	Date: 1/28/00
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Hollow-stem auger
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	FILL.	FILL	NM	0	NM	NM
2						
4	Sand and silt; little gravel.	SP-ML	NM	0	NM	NM
6						
8	CLAY.	CL	NM	0	NM	NM
10	SAND, fine to medium; some gravel; trace silt.	SW	NM	0	NM	NM
12						
14	End of boring.					
16						
18						
18						

trace = < 10%
little = 10% - 20%

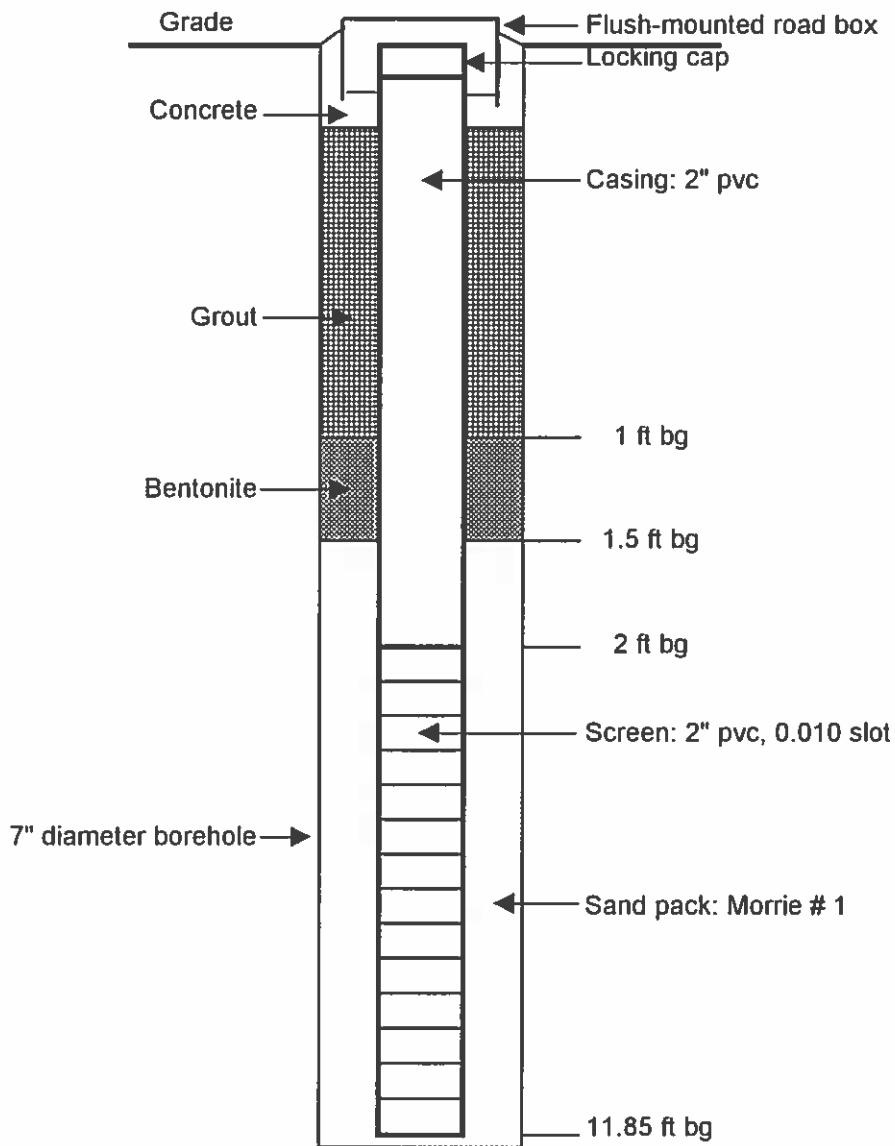
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-6
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 01/28/2000
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: S. Green
 Top-of-casing elevation: 424.75 FT AMSL
 Depth-to-water: 3.0 ft BTOC
 Hydraulic conductivity: NM
 Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-7

Date: 1/28/00

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Hollow-stem auger

Site: Westchester County Airport

Observer: S. Green

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	FILL.	FILL.	NM	0	NM	NM
2						
4	SAND, fine to medium; little silt; little gravel.	SW	NM	0	NM	NM
6	Silt and sand.	SW-ML		0		
8	SAND, fine to medium; some gravel; trace silt.	SW	NM		NM	NM
10						
12	End of boring.					
14						
16						
18						

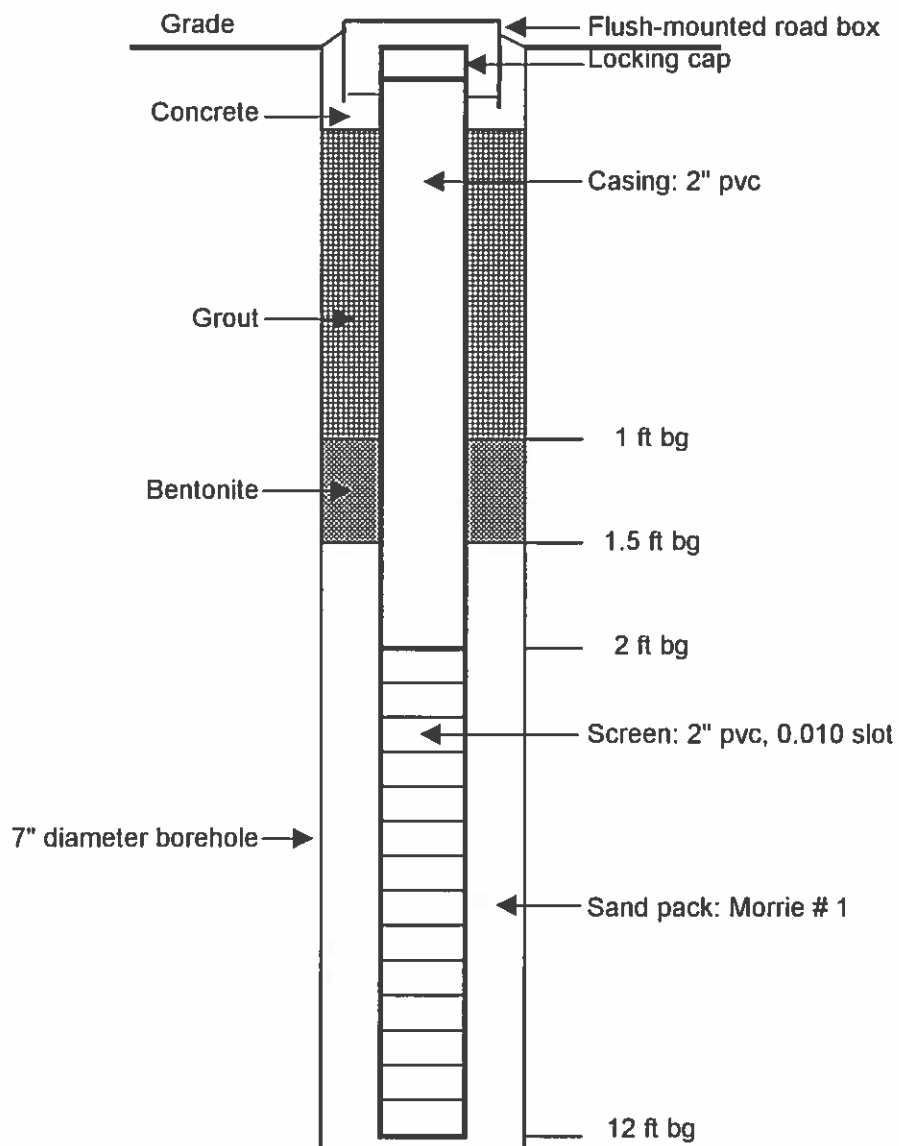
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-7	Drilling method: Hollow-stem auger	
Permit No.:	Observer: S. Green	
Client: Westchester County	Top-of-casing elevation: 423.72 ft AMSL	
Site: Westchester County Airport	Depth-to-water: 3.21 ft bg	
Project:	Hydraulic conductivity: 2.57 ft/day	
Date: 01/28/2000	Comments:	
Driller: Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-8

Date: 06/15/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	25
2	SAND, fine; little silt; no clay to some clay; trace gravel; light brown.	SP		20		
4	Color changes to brown with reddish brown mottles below 4'.		4-8	16	NA	3.5
6						
8	SAND, medium; little silt; brown.	SM	8-12	NA	NA	0
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

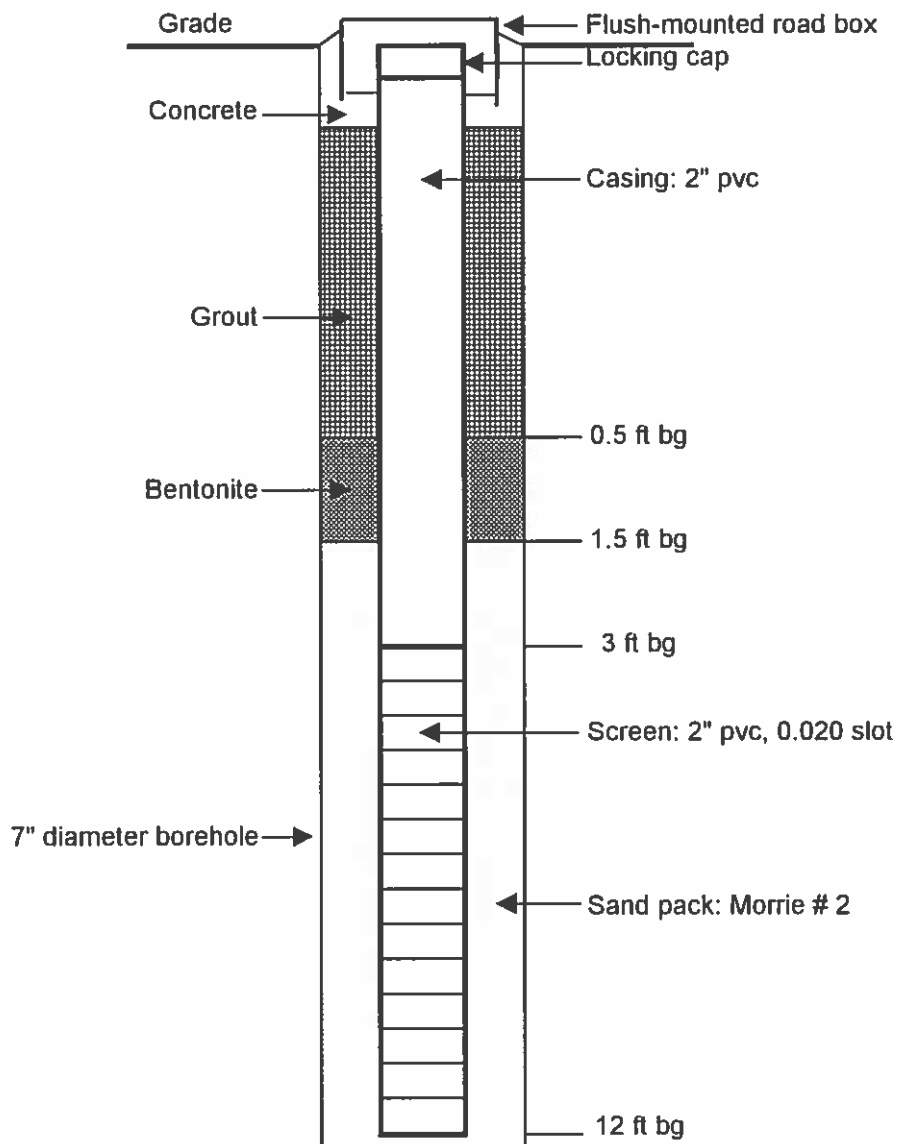
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-8
Permit No.:
Client: Westchester County
Site: Westchester County Airport
Project:
Date: 06/15/2000
Driller: Enviroprobe

Drilling method: Hollow-stem auger
Observer: C. Viani
Top-of-casing elevation: 423.4 ft AMSL
Depth-to-water: 1.85 ft BTOC
Hydraulic conductivity: NM
Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-9

Date: 06/16/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3
2	SAND, medium; light brown.	SP		4		
4			4-8		NA	2
6	SAND, fine; little to some silt; brown. Lense of coarse sand at 5.5'. Wet. Color changes to gray, with petroleum hydrocarbon odor.	SP-SM		3		
8	SAND, fine to medium; trace to little silt; brown.	SW-SM	8-12		NA	2
10				3		
12	End of boring.					
14						
16						
18						

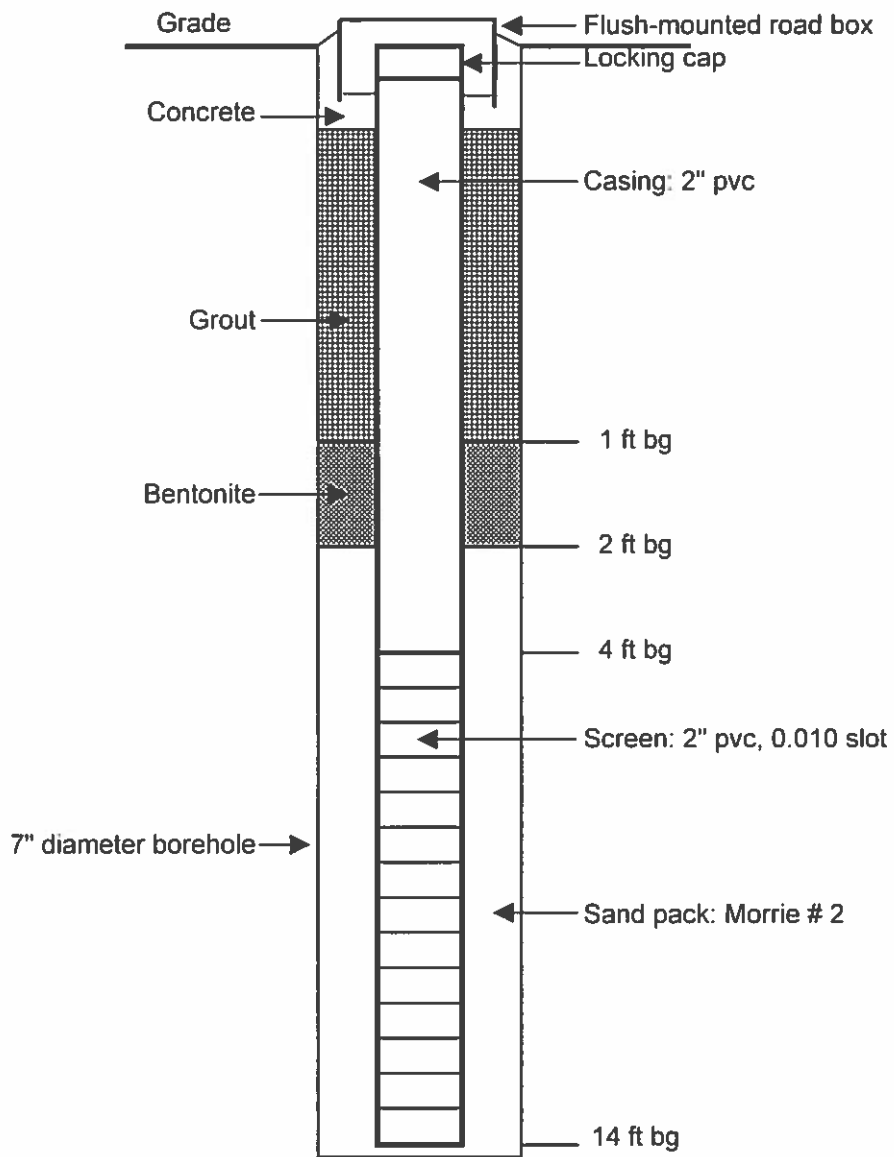
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-9	Drilling method: Hollow-stem auger
Permit No.:	Observer: C. Viani
Client: Westchester County	Top-of-casing elevation: 434.54 ft AMSL
Site: Westchester County Airport	Depth-to-water: 6.10 ft BTOC
Project:	Hydraulic conductivity: 0.40 ft/day
Date: 06/16/2000	Comments:
Driller: Enviroprobe	



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-10	Date: 06/30/2000	
Permit No.:	Driller: Enviroprobe	
Client: Westchester County	Drilling metho: Geoprobe macrocore	
Site: Westchester County Airport	Observer: S. Green	
Project:	Comments: See well construction log for construction details.	

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium, little gravel; trace silt; brown, with abundant mica.	SW	0-4	NM	NM	NM
2						
4			4-8	NM	NM	NM
6	SAND, fine, with some clay. Moist.	SC				
8	SAND, fine to medium; some silt; some cobble gravel. Wet.	SM	8-10.5	NM	NM	NM
10	WEATHERED BEDROCK.					
	End of boring.					
12						
14						
16						

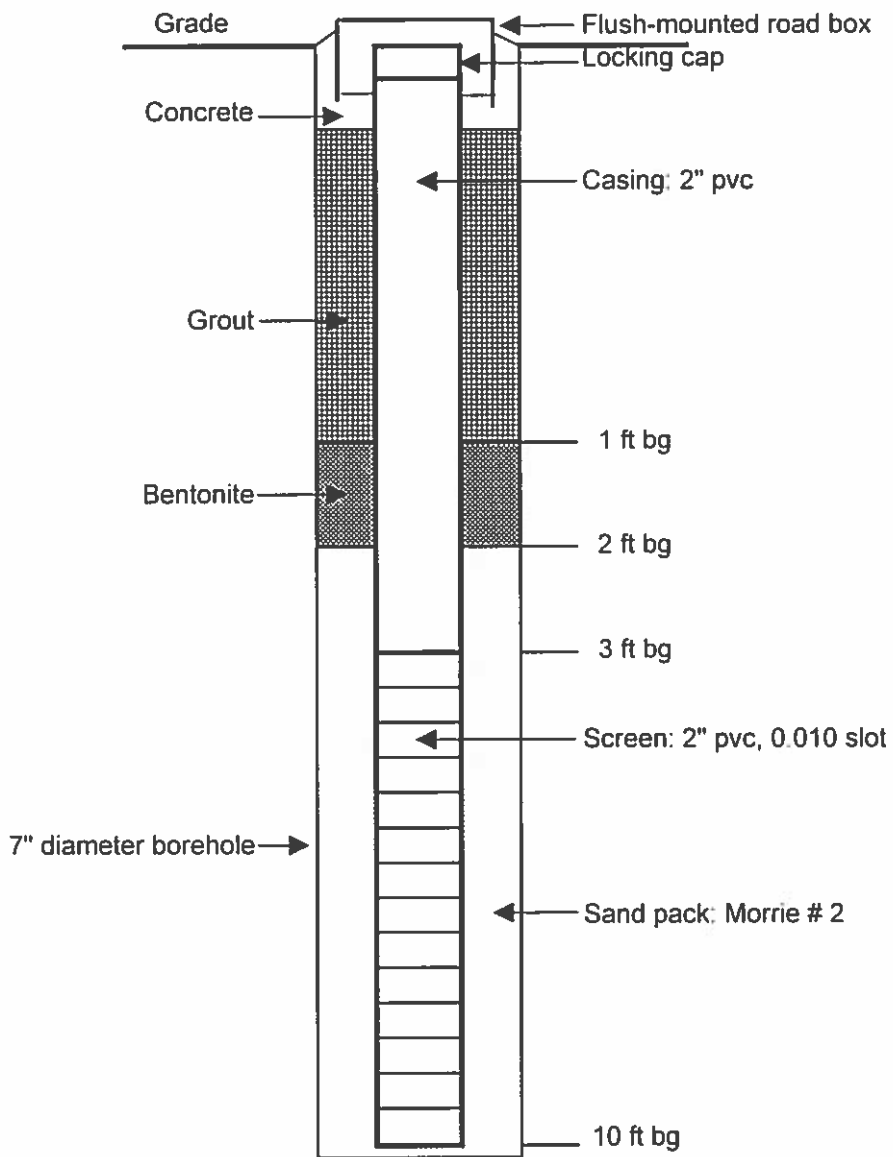
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-10	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	S. Green
Client:	Westchester County	Top-of-casing elevation:	NM
Site:	Westchester County Airport	Depth-to-water:	3.82 ft BTOC
Project:		Hydraulic conductivity:	0.062 ft/day
Date:	06/30/2000	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-11

Date: 07/13/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	NM	NA	NM
2	Fine sand and silt; trace coarse sand; trace gravel (weathered metamorphic rock fragments and mica flakes); rusty brown to brown to gray.	SM				
4			4-8	NM	NA	NM
6						
8						
10	End of boring.					
12						
14						
16						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-11

Permit No.:

Client: Westchester County

Site: Westchester County Airport

Project:

Date: 07/14/2000

Driller: Enviroprobe

Drilling method:

Hollow-stem auger

Observer:

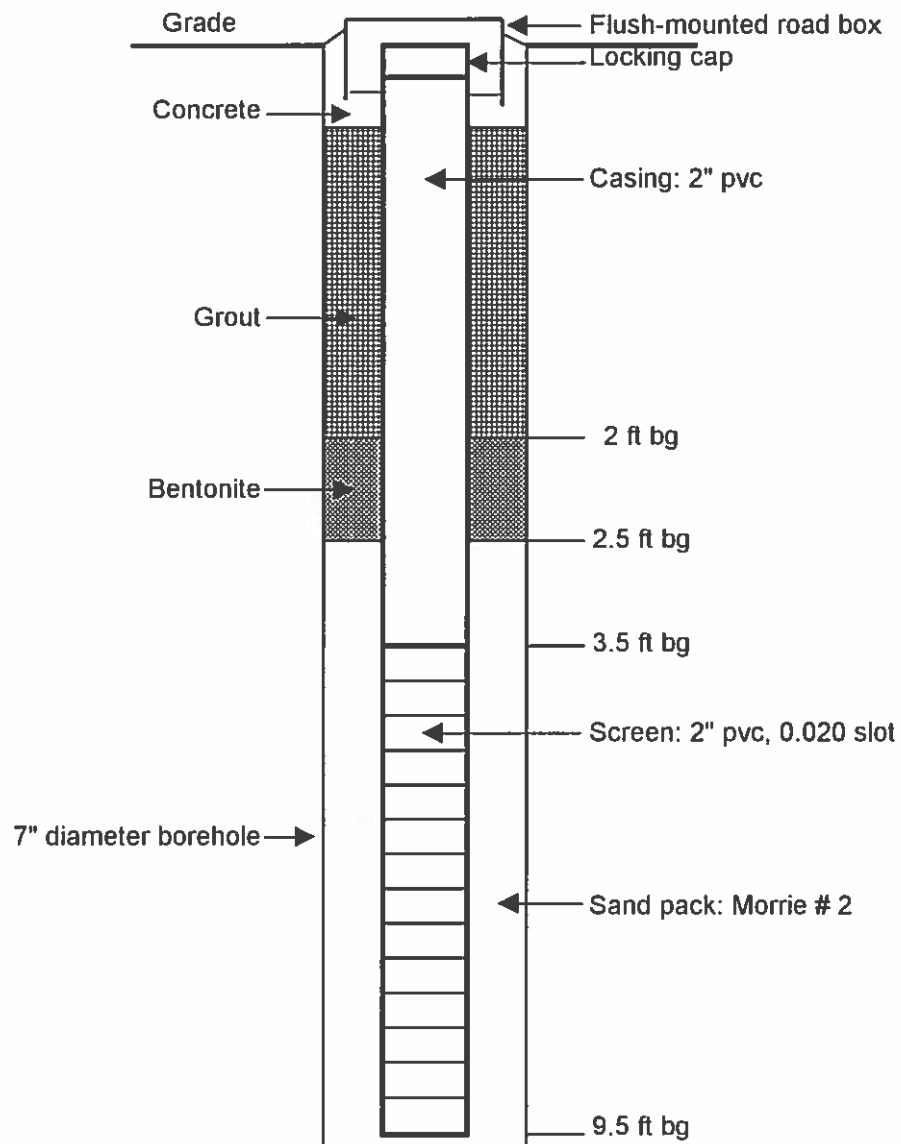
S. Green

Top-of-casing elevation: 424.36 ft AMSL

Depth-to-water: 1.13 ft BTOC

Hydraulic conductivity: 0.06 ft/day

Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-12	Date: 07/13/2000	
Permit No.:	Driller: Enviroprobe	
Client: Westchester County	Drilling method: Geoprobe macrocore	
Site: Westchester County Airport	Observer: C. Viani	
Project:	Comments: See well construction log for construction details.	

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
2	SAND, fine to medium; little silt; trace to little clay; trace fine to medium gravel; orange brown.	SW				
4	Silt and fine sand, to fine sand with some silt; trace coarse sand; trace fine angular gravel; gray. Dense.	SM-ML	4-8	0	NA	3.5
6						
8			8-12	NA	NA	0
10	SILT; some clay; trace coarse sand; gray, with sparse rust-colored mottles	ML				
12			12-16	0	NA	3.5
14	SAND, medium; some to little silt; trace clay; trace gravel; brownish gray to brown. Slightly wet in sandier zones.	SM				
16						
18	End of geoprobe sampling. Auger refusal at 19.5 ft bg during well installation.					

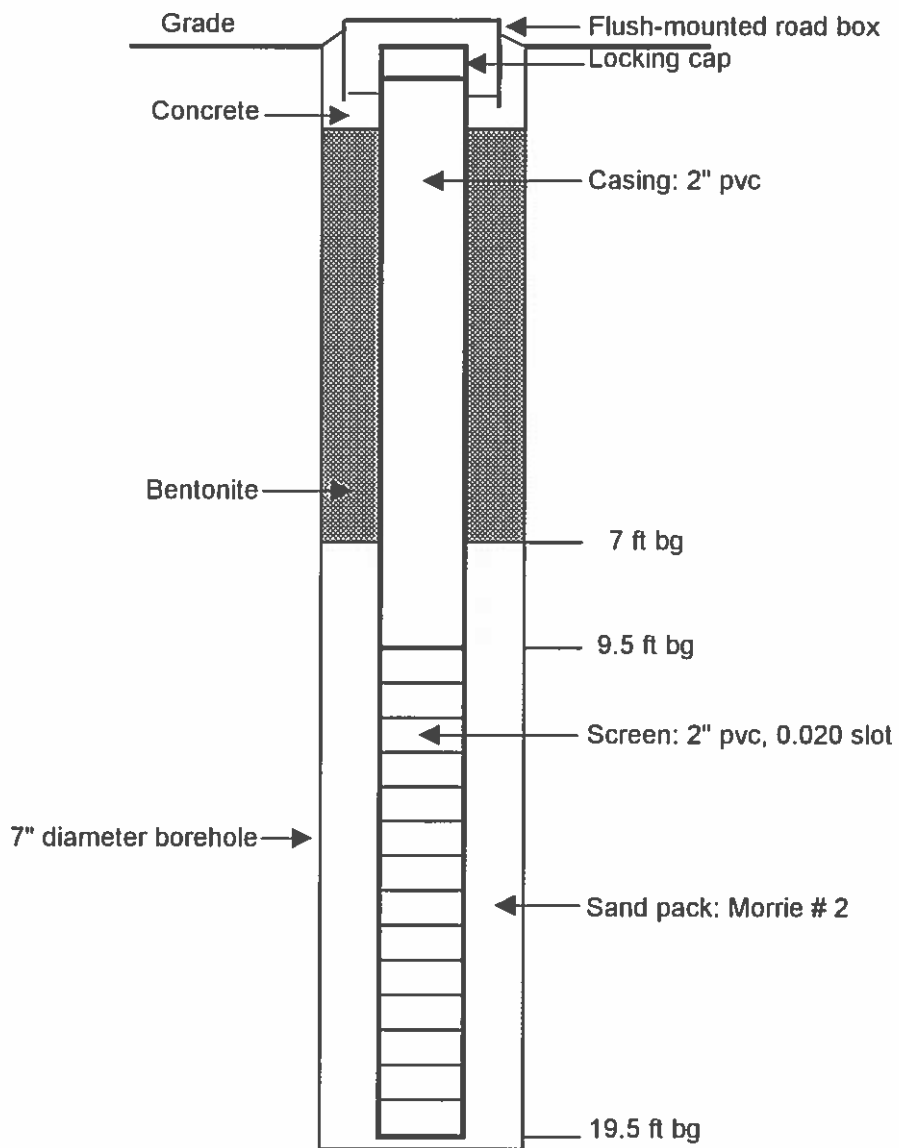
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-12	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	C. Viani
Client:	Westchester County	Top-of-casing elevation:	435.45 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	14.00 ft BTOC
Project:		Hydraulic conductivity:	1.66 ft/day
Date:	07/13/2000	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-13

Date: 07/28/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: S. Green

Project:

Comments: Groundwater present at 3 ft bg in completed well.
See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Soil and organic matter.	SM	0-4	0	NA	4
2	SAND, fine, orange brown; some silt; some clay.	SM				
	SAND, fine, orange brown; little silt.	SM				
4	SAND, fine, orange brown; little clay; trace silt.	SM	4-8	0	NA	4
	SAND, fine, brown, with mica flakes; trace clay.	SP				
6	SAND, fine, light brown; trace silt; trace gravel.	SP				
8			8-12	0	NA	4
10						
12	End of boring.					
14						
16						

trace = < 10%
little = 10% - 20%

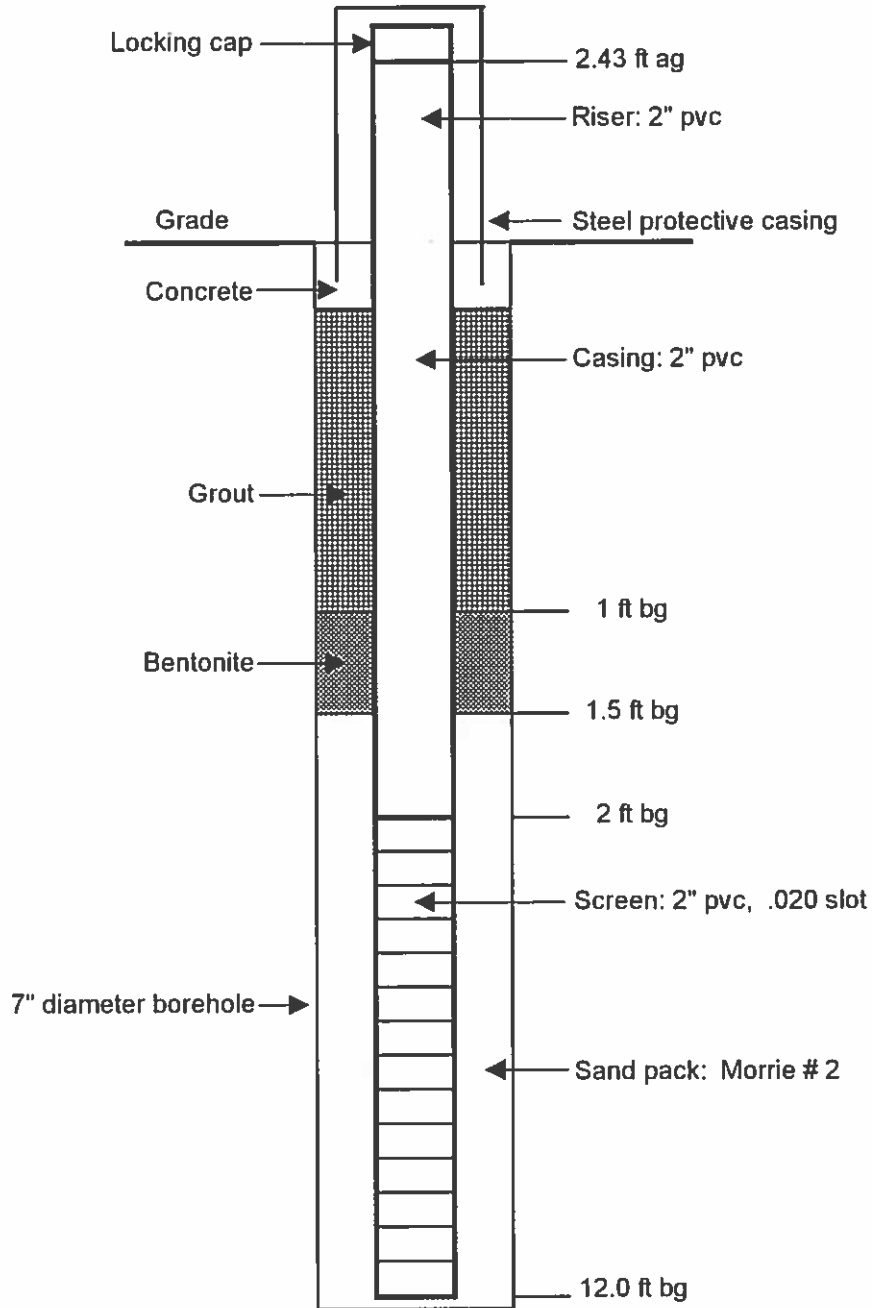
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-13
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 07/28/2000
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: S. Green
 Top-of-casing elevation: 419.73 ft AMSL
 Depth-to-water: 6.71 ft BTOC
 Hydraulic conductivity: 9.33 ft/day
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-14	Date: 08/29/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore/hollow-stem auger
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	3
2	SILT, little to some fine sand; little to some clay; trace rounded to subangular gravel; brown to brownish gray. Gravel comprised of metamorphic and non-metamorphic rock. TILL.	ML				
4	Very moist to wet at 4'.		4-8	0	NA	3
6						
8	Material becomes very dense and cohesive.		8-11.5	0	NA	3
10						
12	SAND, medium to coarse; brown. Wet.	SW	11.5-13.5	0	NA	2
14	SILT; trace to little fine sand; trace to little clay; trace gravel (metamorphic and non-metamorphic rock). TILL.	ML				
14	End of boring at 13.5'.					
16						
18						

trace = < 10%
little = 10% - 20%

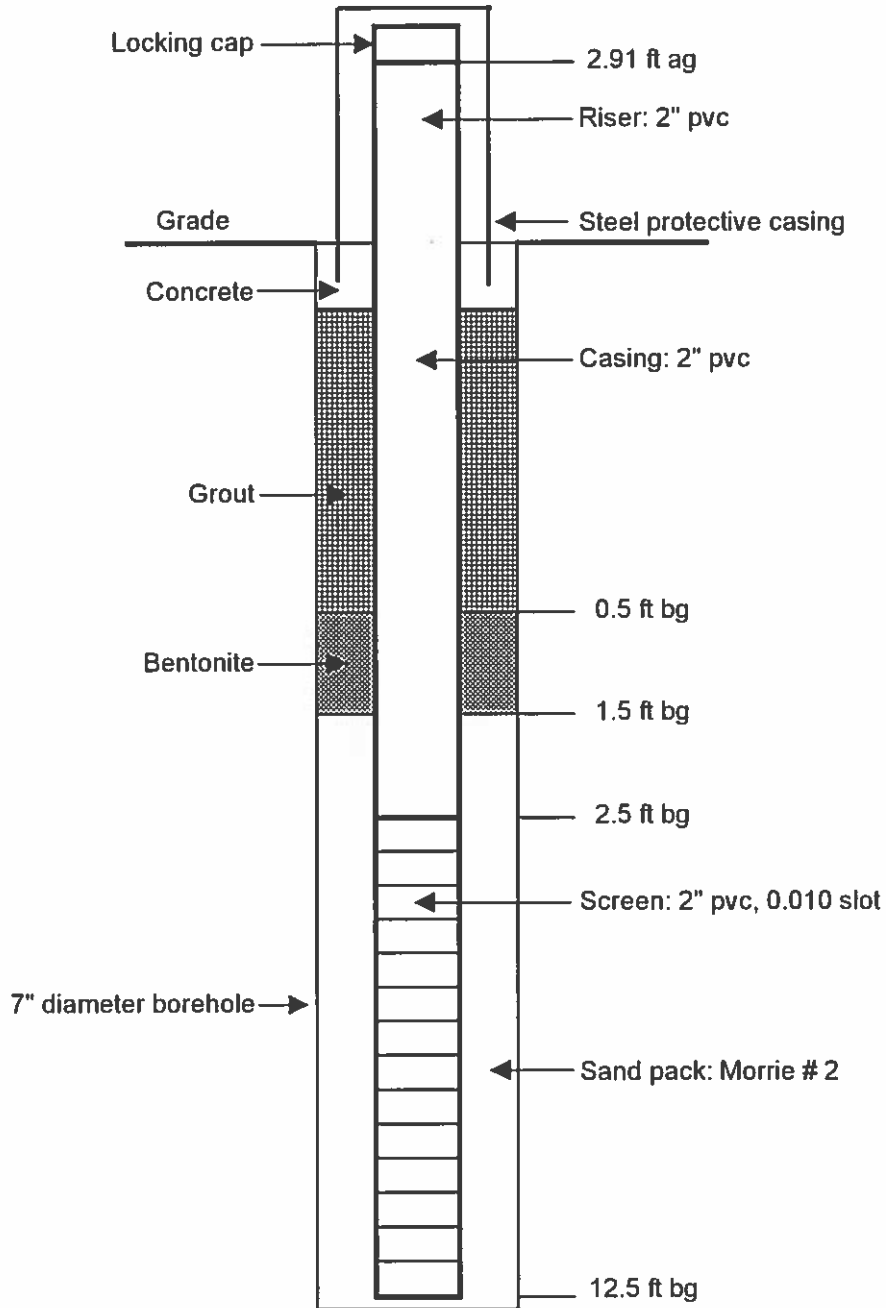
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-14
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 08/29/2000
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: C. Viani
 Top-of-casing elevation: 404.69 ft AMSL
 Depth-to-water: 6.88 ft BTOC
 Hydraulic conductivity: 0.77 ft/day
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-15

Date: 07/27/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Martell

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	4
2	SAND, fine; little silt; little gravel; trace clay; orange brown.	SW-SM				
4	SAND, fine; little silt; trace gravel; brown.	SP-SM	4-8	0	NA	3
6	SAND, medium to fine. Clay and silt.	SW CL-ML				
8	CLAY; some silt; some gravel. Clay and silt; little gravel; brown.	CL CL	8-12	0	NA	4
10	SAND, fine. SAND, fine to medium; some gravel. SAND, fine; little gravel.	SP SW SP				
12	CLAY, dark brown.	CL	12-13	NA	NA	0
14	End of boring. Macrocore refusal (bedrock?).					
16						
18						

trace = < 10%
little = 10% - 20%

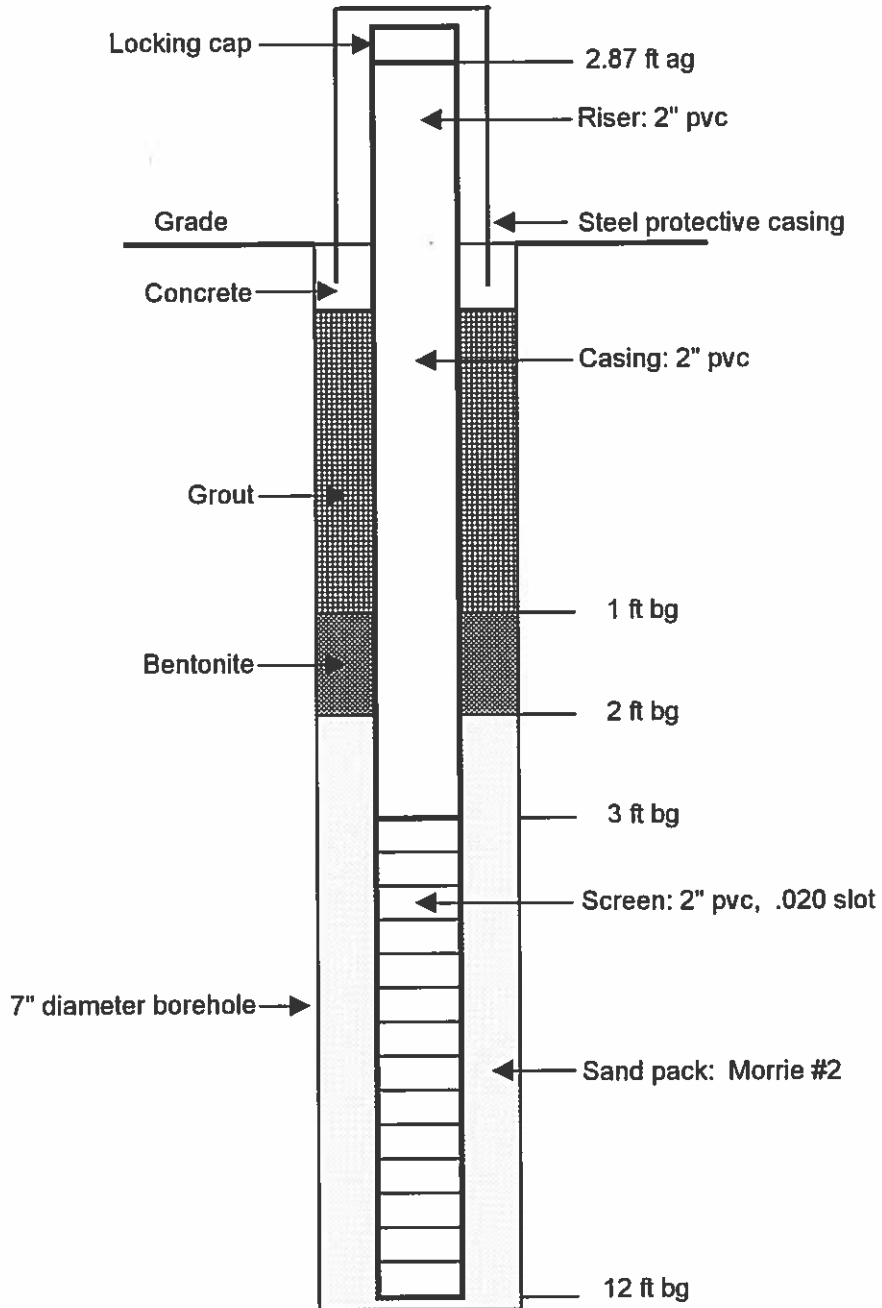
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-15
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 7/27/00
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: C. Martell
 Top-of-casing elevation: 415.29 ft AMSL
 Depth-to-water: 9.36 ft BTOC
 Hydraulic conductivity: 1.60 ft/day
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-16	Date: 07/27/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Martell
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium, some silt (Top soil).	SM	0-4	0	NA	3.5
2	SAND, fine to medium; little gravel; trace silt	SW/SM				
4	Silt and fine sand.	SM/ML	4-8	0	NA	3
6	SAND, fine, gray.	SP				
	SAND, medium, some gravel.	SP				
8	Sand, medium to coarse, and gravel, with abundant mica.	SW	8-12	0	NA	3.5
10	SAND, coarse; some gravel.	SP				
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

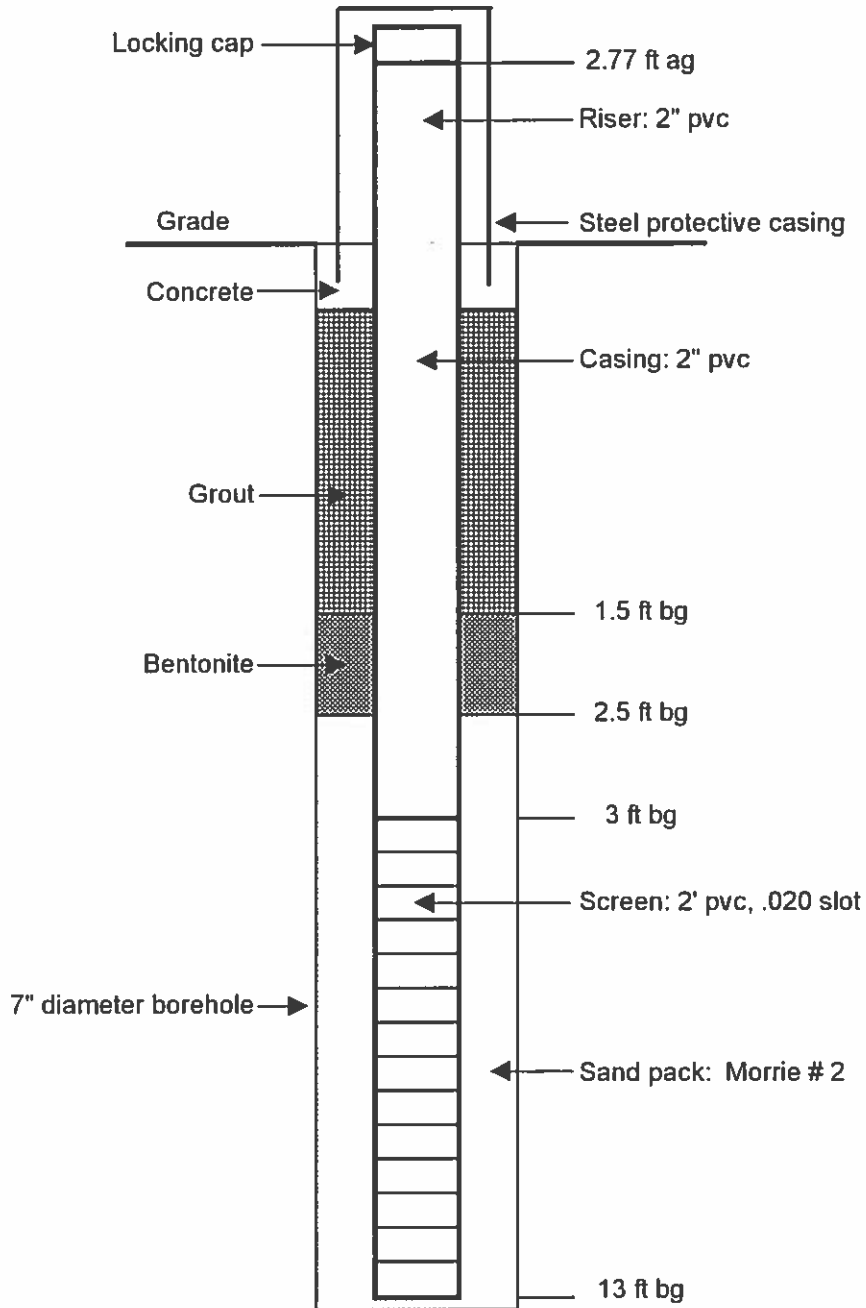
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-16
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 07/27/2000
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: C. Martell
 Top-of-casing elevation: 416.20 ft AMSL
 Depth-to-water: 5.30 ft BTOC
 Hydraulic conductivity: 0.09 ft/day
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-17	Date: 06/16/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and subbase.		0-4		NA	3
2	SAND, medium; grading downward to SAND, medium; little silt; gray.	SP-SM		0		
4	SAND, fine; little silt; grading downward to CLAY; little sand; dark brown.	SP-CL	4-8		NA	2.5
6	SILT; gray; with lense of dark gray medium sand at 6'. Sand lense has hydrocarbon odor. Very moist.	ML		0		
8	Sand, fine to medium, and silt; trace gravel; gray, grading downward to ochre with rusty red mottles. Wet below 8'.	SP-ML	8-12	0	NA	3
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

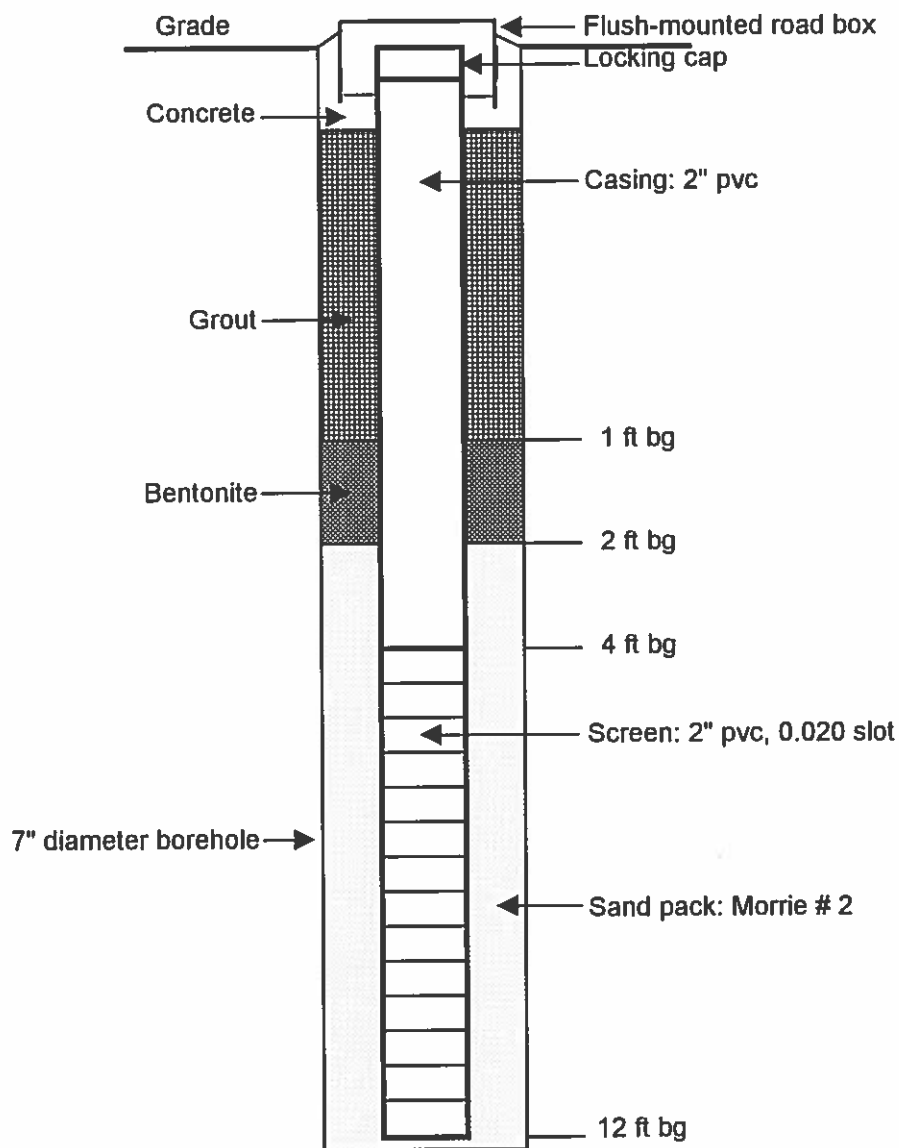
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-17
Permit No.:
Client: Westchester County
Site: Westchester County Airport
Project:
Date: 6/16/00
Driller: Enviroprobe

Drilling method: Hollow-stem auger
Observer: C. Viani
Top-of-casing elevation: 422.63 ft AMSL
Depth-to-water: 2.70 ft BTOC
Hydraulic conductivity: NM
Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Boring/Well No.: FMW-19	Date: 06/30/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Hollow-stem auger
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Top soil.		Cuttings	0	NA	NA
2	Some cobbles.					
4	Gravel and sand.					
6	Weathered bedrock (micaceous schist).					
8	End of boring (auger refusal).					
10						
12						
14						
16						
18						

trace = < 10%	some = 20% - 35%	NM = Not measured.
little = 10% - 20%	and = > 35%	NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-19

Permit No.:

Client: Westchester County

Site: Westchester County Airport

Project:

Date: 6/30/00

Driller: Enviroprobe

Drilling method:

Hollow-stem auger

Observer:

S. Green

Top-of-casing elevation: 423.42 ft AMSL

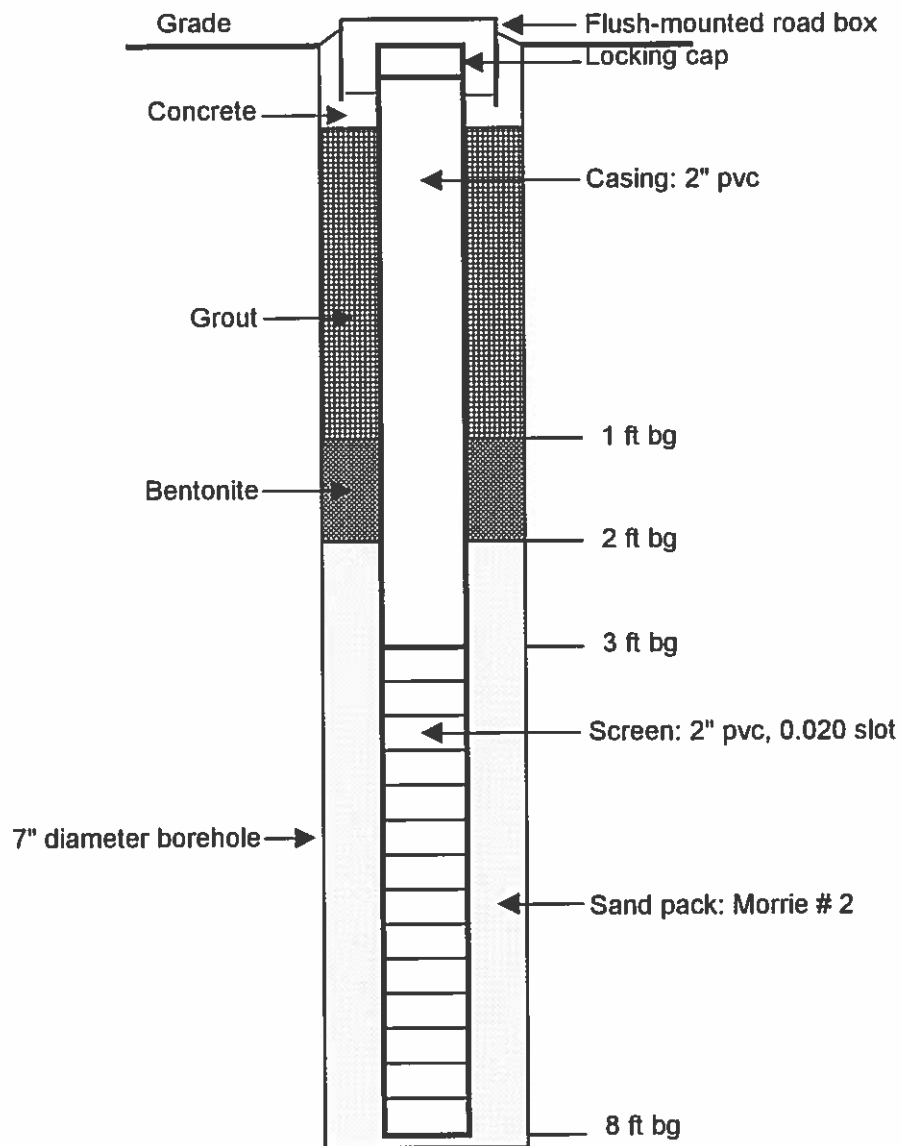
Depth-to-water:

7.56 ft BTOC

Hydraulic conductivity:

NM

Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-20

Date: 6/30/00

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Hollow-stem auger

Site: Westchester County Airport

Observer: S. Green

Project:

Comments: Installed at location of GB-11. Boring for FMW-20 was not logged; the following log is for GB-11.

See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.	-	0-4	5	NA	NM
	SAND, brown; with little silt.	SM				
2	SILT, with some fine sand; brown, grading downward to gray.	ML				
4	SAND, grayish brown; with little silt. Strong hydrocarbon odor.	SM	4-8		NA	NM
6						
	Wet at 7'.			1700		
8	SAND, coarse to fine; with little to some silt; trace gravel; brownish gray at top, grading downward to brown; abundant mica flakes. Wet throughout, with an oily free-product film. WEATHERED BEDROCK.	SM/ML	8-11	1700	NA	NM
10						
	End of boring.					
12						
14						
16						
18						

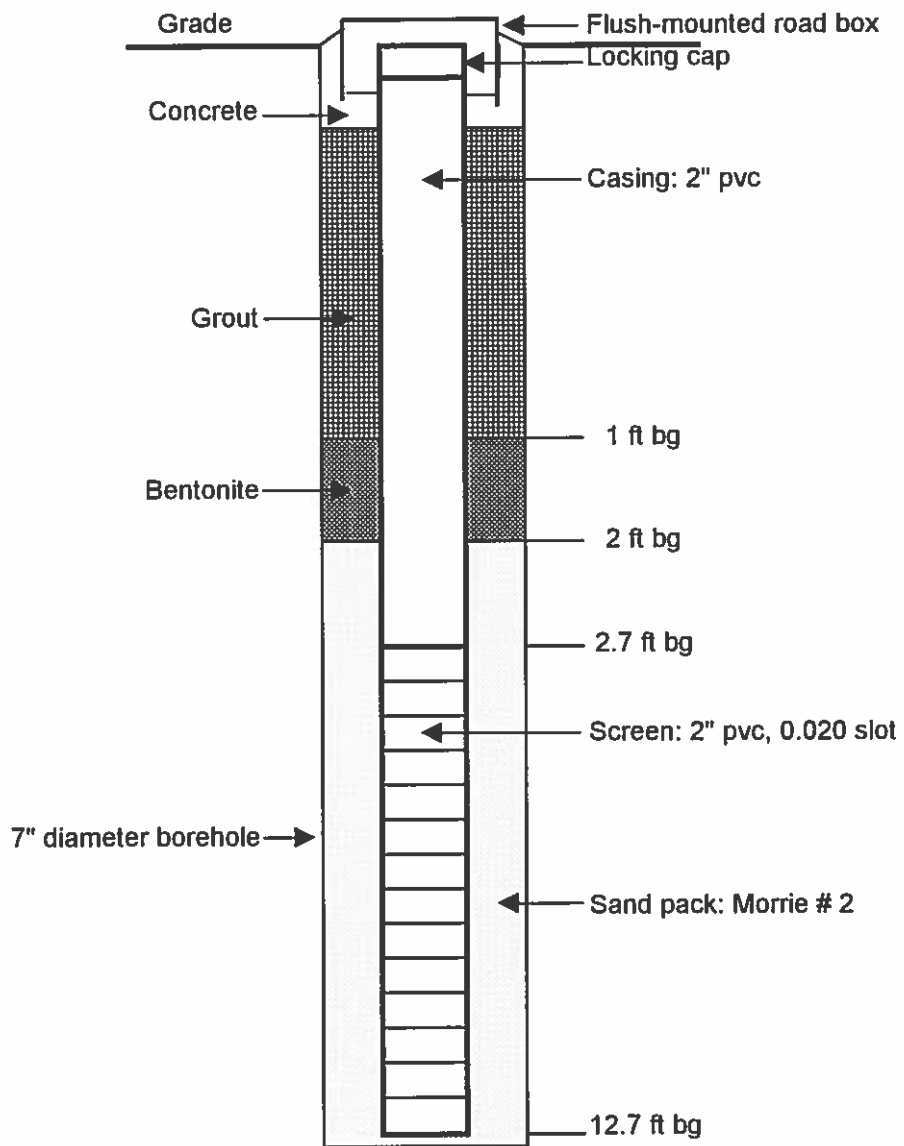
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-20	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	S. Green
Client:	Westchester County	Top-of-casing elevation:	426.87 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	4.28 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	6/30/00	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-21	Date: 06/29/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for well construction.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and sub-base.		0-4	0	NA	NM
2	Sand and silt, brown to gray, little gravel.	SM				
4	SAND, fine; some gravel.	SW	4-8	0	NA	NM
6	Weathered bedrock.					
8	End of boring.					
10						
12						
14						
16						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-21

Permit No.:

Client: Westchester County

Site: Westchester County Airport

Project:

Date: 6/29/00

Driller: Enviroprobe

Drilling method:

Hollow-stem auger

Observer:

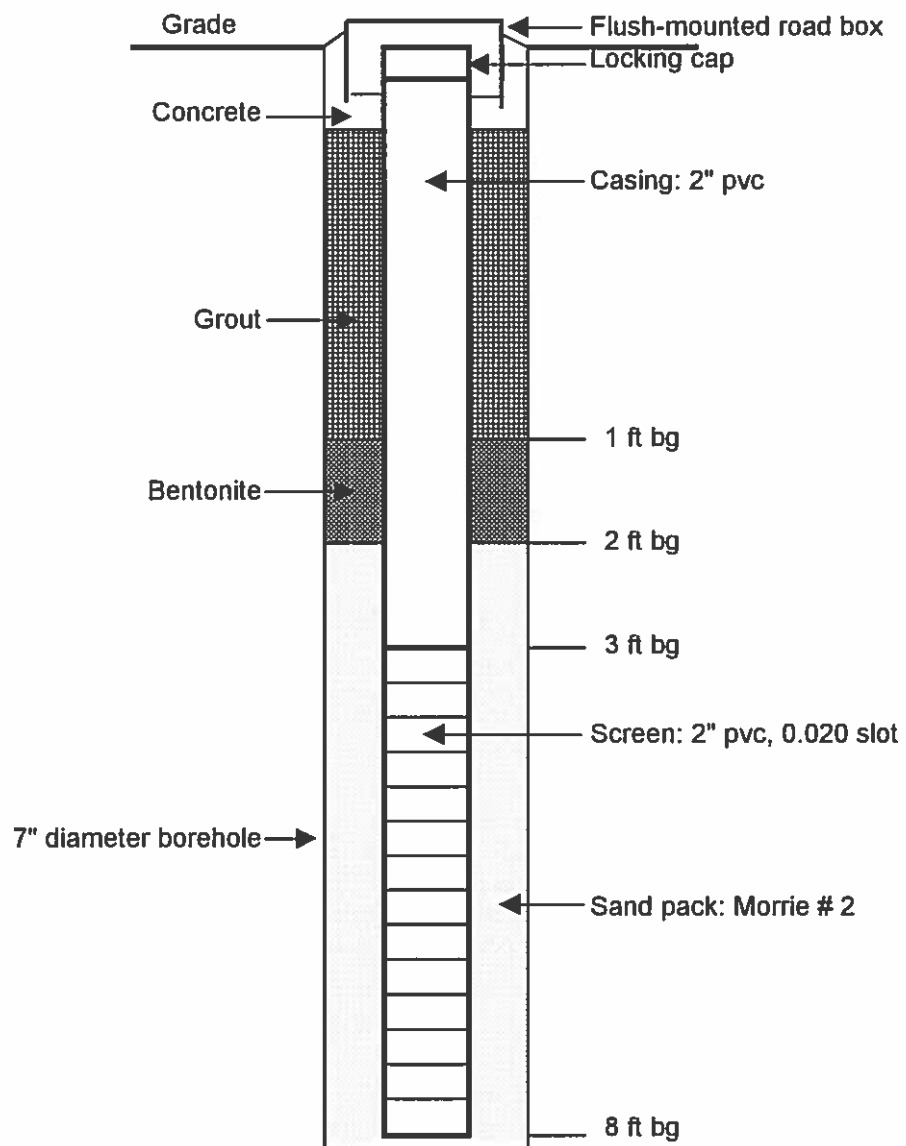
S. Green

Top-of-casing elevation: 426.87 ft AMSL

Depth-to-water: 4.97 ft BTOC

Hydraulic conductivity: NM

Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-22
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 06/29/2000
 Driller: Enviroprobe
 Drilling method: Hollow-stem auger
 Observer: S. Green
 Comments: Completed at location of GB-17, the boring for FMW-22 was not logged. The following log is for GB-17.
 See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0						
0	SAND, fine to medium; with no to little silt; trace gravel; brown.	SW	0-4		NA	3
2	CLAY; little sand; brown.	CL		0		
4	SAND, fine to medium; trace to little silt; trace gravel (wx'd meta rocks and mica); rusty brown.	SW	4-8		NA	3.5
6	Color grades to gray at 6.5', with slight petroleum hydrocarbon odor.			160		
8	Color grades to brown and rusty brown at 7.5'. Wet.		8-12		NA	2.5
10				10		
12	End of boring.					
14						
16						
18						

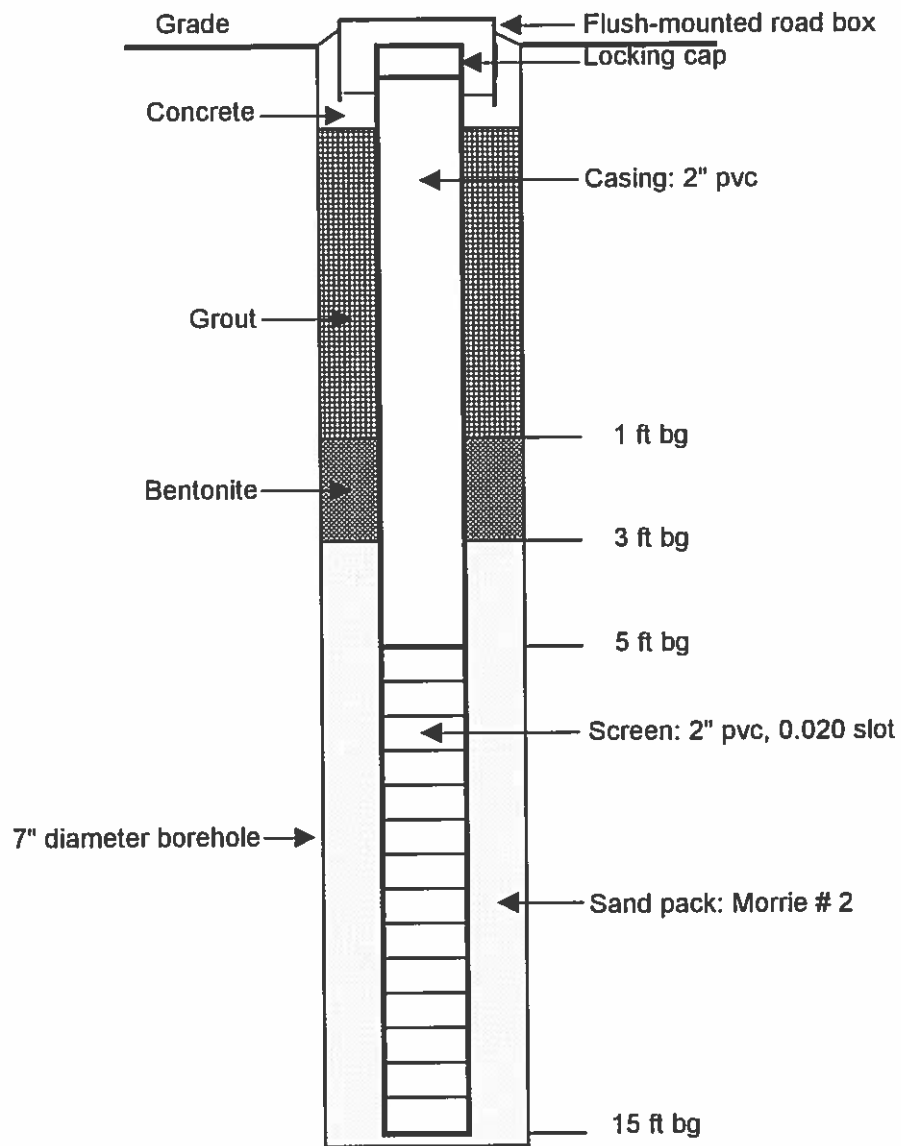
trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-22	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	S. Green
Client:	Westchester County	Top-of-casing elevation:	423.11 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	5.56 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	06/29/2000	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-23

Date: 11/14/00-11/16/00

Permit No.:

Driller: C,T and E

Client: Westchester County

Drilling method: Air rotary

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well-construction log for well construction.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Unconsolidated materials.		NA	NA	NA	NA
10						
20	Bedrock (schist?).					
30						
40	End of boring.					
50						

trace = < 10%
little = 10% - 20%

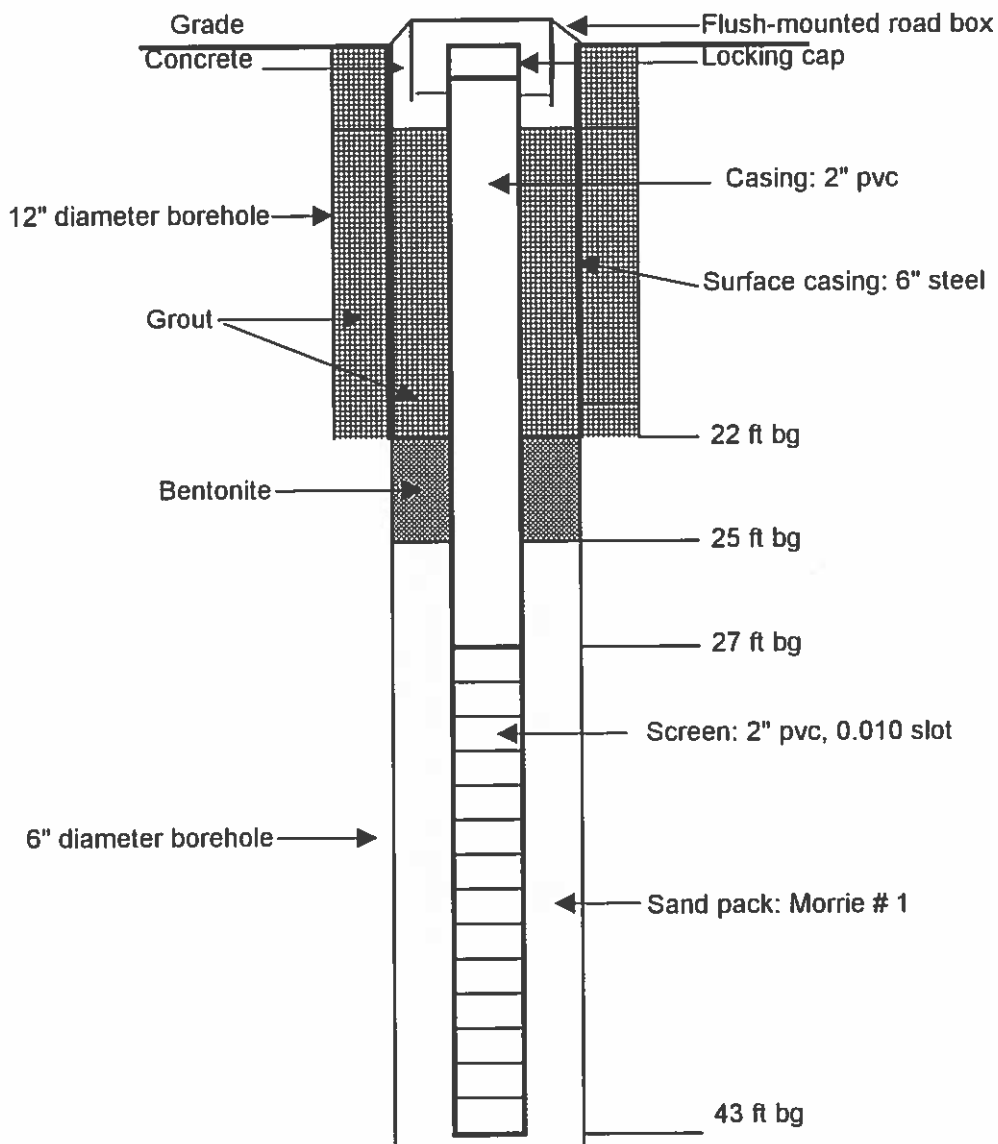
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-23
Permit No.:
Client: Westchester County
Site: Westchester County Airport
Project:
Date: 11/14/00-11/16/00
Driller: C,T and E

Drilling method: Air Rotary
Observer: C. Viani
Top-of-casing elevation: 423.72 ft AMSL
Depth-to-water: 1.01 ft BTOC
Hydraulic conductivity: NM
Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-24

Date: 07/28/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Martell

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Topsoil.	OL/OH	0-4	NM	NA	4
2	SAND, fine; little silt; gray brown; abundant mica flakes.	SM				
2	SAND, medium to coarse; some gravel; light gray.	SW	4-7	NM	NA	3
4	SAND, coarse; some gravel; light gray. Wet throughout.	SP				
6	CLAY; some fine sand; dark gray; very dense. Wet.	CL	7-11	NM	NA	4
8						
10	End of boring.					
12						
14						
16						
18						

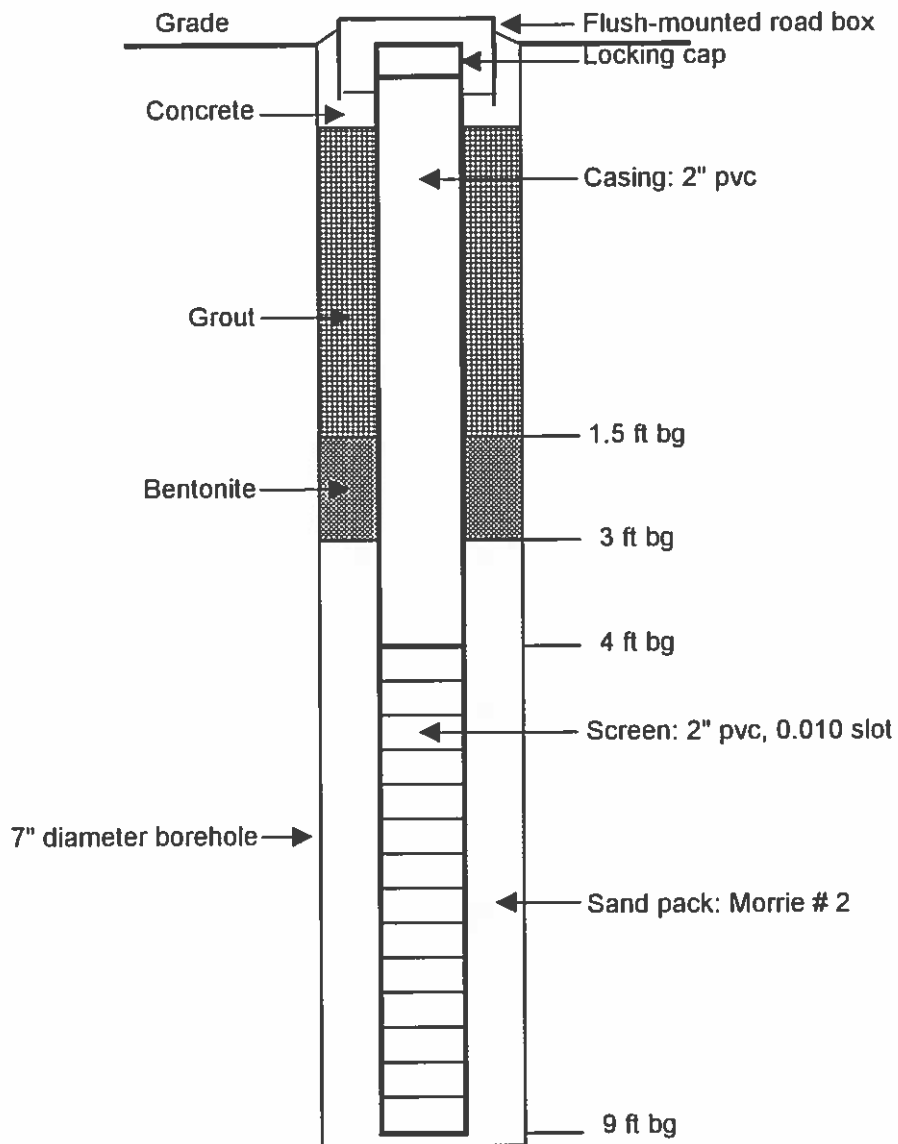
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-24	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	C. Martell
Client:	Westchester County	Top-of-casing elevation:	394.21 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	3.88 ft BTOC
Project:		Hydraulic conductivity:	0.06 ft day
Date:	07/28/2000	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-25	Date: 07/14/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SILT, some fine sand; light to medium brown.	ML	0-4	NM	NA	NM
2	CLAY, some fine sand; some gravel; dark gray; Petroleum hydrocarbon odor.	CL				
	SAND, fine; some silt; orange brown.	SM				
4	SAND, fine to medium; some silt; trace clay; orange brown.	SM	4-8	NM	NA	NM
6						
8	SAND, fine; brown; mica-rich.	SP				
10	Fine sand and silt; little clay.	SM-ML	10-12	NM	NA	NM
12	End of boring.					
14						
16						
18						

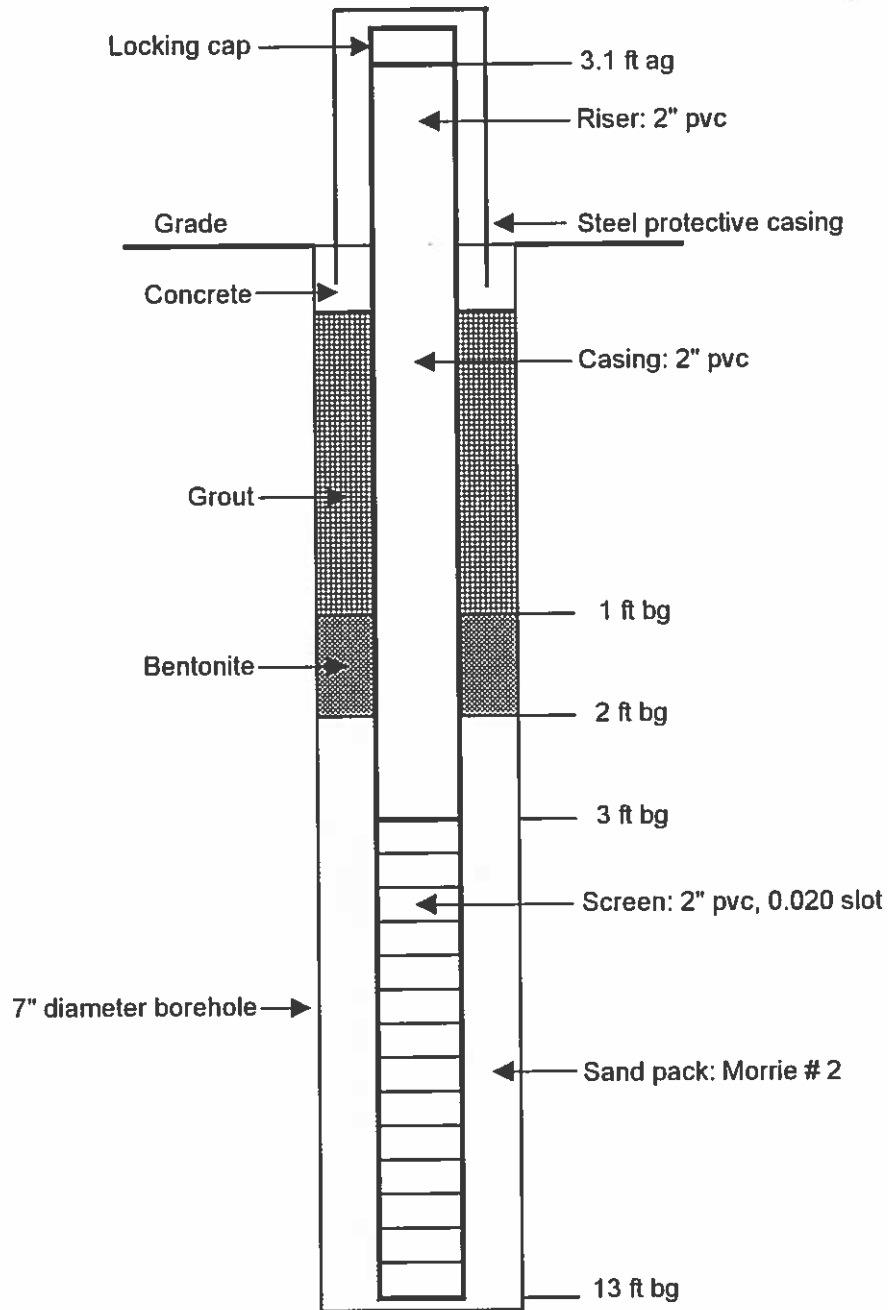
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-25	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	S. Green
Client:	Westchester County	Top-of-casing elevation:	375.35 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	5.84 ft BTOC
Project:		Hydraulic conductivity:	1.76 ft/day
Date:	07/14/2000	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade
ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-26
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/29/2000
 Driller: Enviroprobe
 Drilling method: Hollow-stem auger
 Observer: C. Viani
 Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	4
2	SAND, fine; little to some silt; trace fine to medium gravel; brown. Gravel comprised of metamorphic and non-metamorphic rock. TILL.	SM				
4			4-8	0	NA	4
6	Silt and fine sand; trace fine to medium gravel, with metamorphic and non-metamorphic rocks. TILL.	MH				
8			8-12	0	NA	3
10	SAND, medium; trace to little silt; brown to grayish brown; wet.	SW-SM				
12	SAND, fine; some silt; trace coarse sand; trace fine gravel (metamorphic and non-metamorphic rocks);	SM				
12	SAND, medium; brown. Wet.	SW	12-13	0	NA	1
14	SAND, fine; some silt; little gravel (weathered metamorphic rock fragments); brown. Abundant mica flakes. Very dense. WEATHERED BEDROCK.	SM				
14	End of boring at 13'.					
16						
18						

trace = < 10%
 little = 10% - 20%

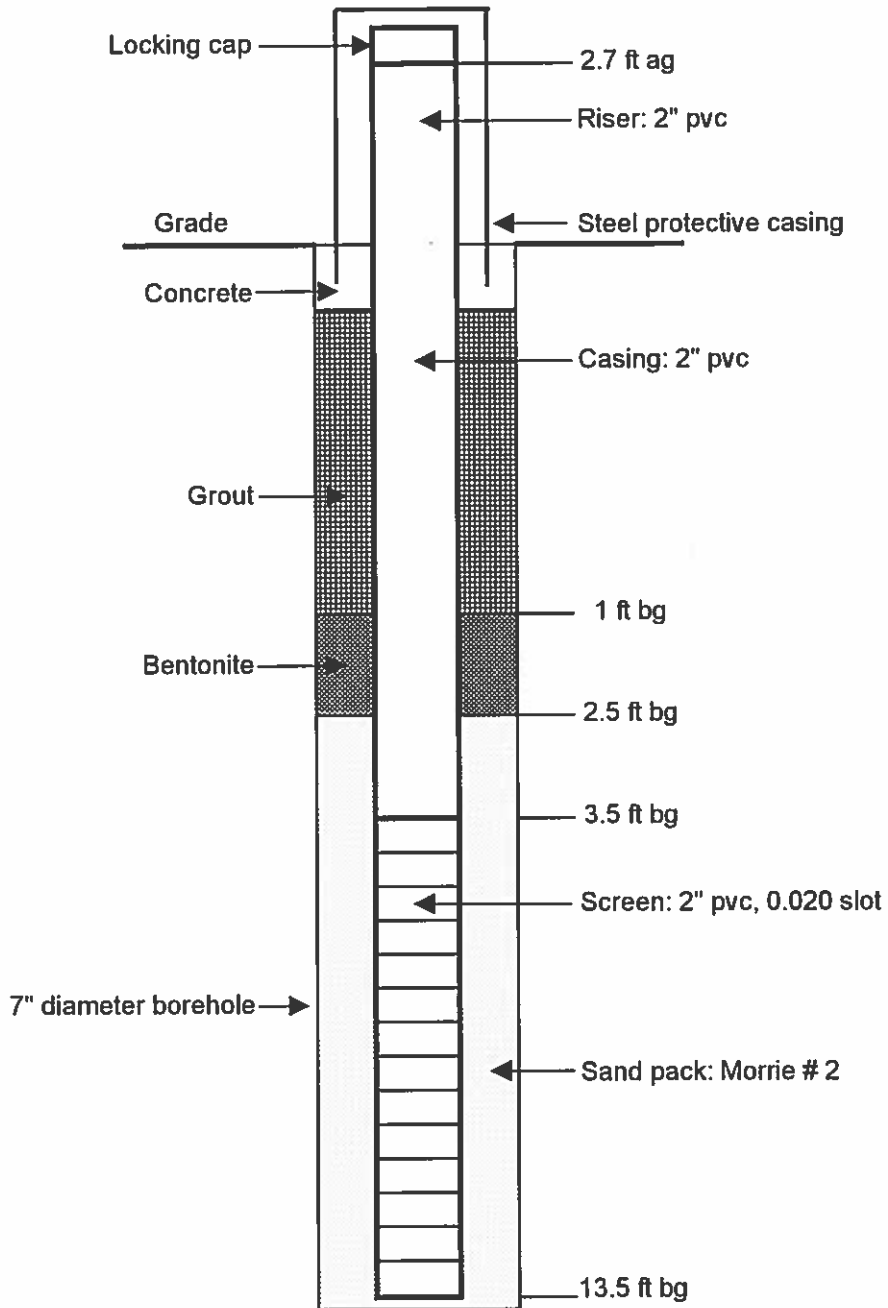
some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-26
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 8/29/00
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: C. Viani
 Top-of-casing elevation: 404.79 ft AMSL
 Depth-to-water: 9.40 ft BTOC
 Hydraulic conductivity: 1.3 ft/day
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-27	Date: 09/20/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: M. Quintella
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4		NA	3
2	SAND, medium to fine; little silt and clay; gray. Petroleum hydrocarbon odor at 1'-2'. Wet at 3'.	SW-SM		160 40		
4	Clay and silt; with some sand, to sand with some clay; some silt; gray to brown. Wet.	CL-ML	4-8	30	NA	4
6				10		
8	SAND, medium to fine; trace gravel; gray.	SW	8-11	5	NA	3
10	SAND, medium to fine; trace coarse sand; trace medium gravel (gravel composed of unweathered pebbles); brown.	SW		2		
12	SAND, medium to fine; trace gravel (gravel composed of weathered meta rock fragments); brown.	SW	11-14		NA	2
14	End of boring.					
16						
18						

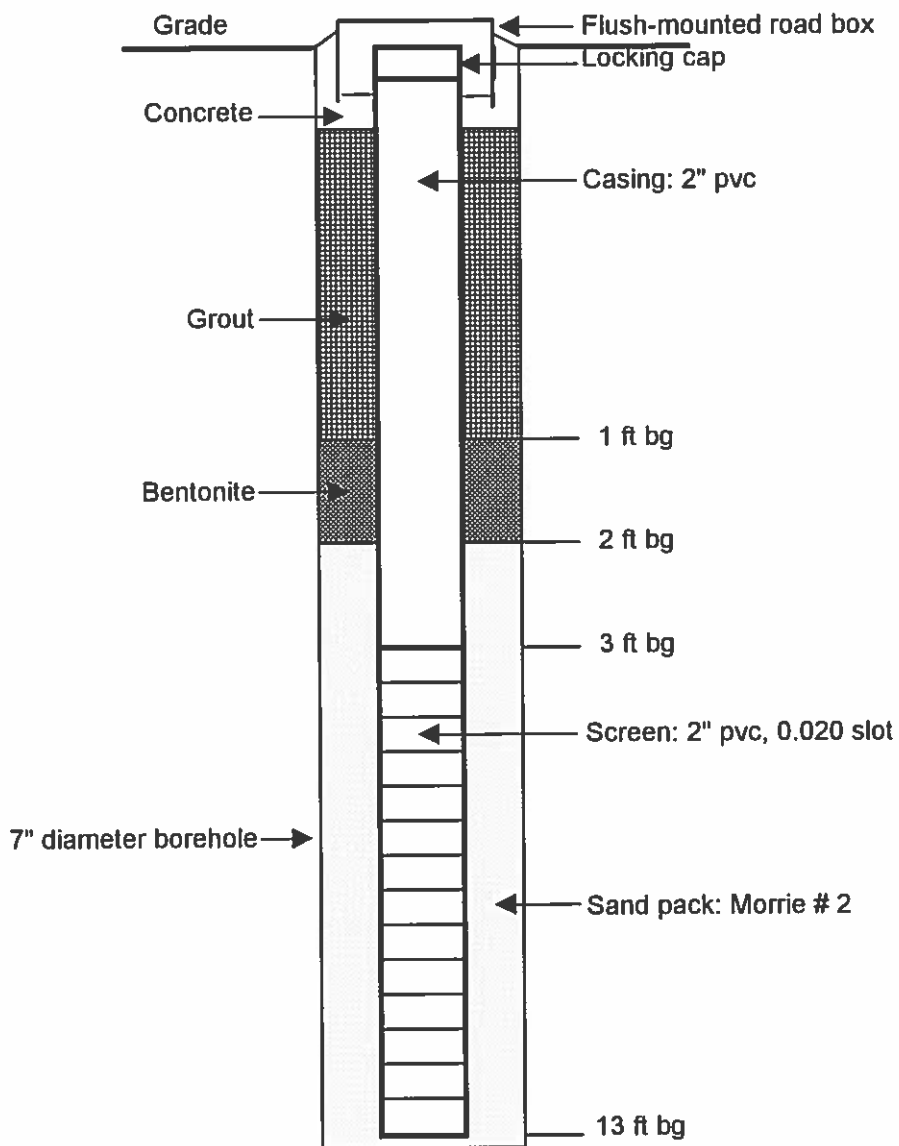
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-27	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	M. Quintella
Client:	Westchester County	Top-of-casing elevation:	422.14 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	2.70 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	9/20/00	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-28

Date: 09/21/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
	SILT, little fine to coarse sand; dark brown.	ML				
2	SAND, fine to medium; some silt; trace gravel; brown.	SW				
	CLAY, little fine to coarse sand; little silt; greenish gray to brown.	CL				
4	Silt and fine sand, little medium to coarse sand; trace gravel (angular wx'd meta rocks); reddish brown.	ML-SW	4-8	0	NA	3
6	Fine gravel and coarse sand; light brown. Wet.	GP-SP				
	Silt and fine sand; little medium to coarse sand; trace gravel (angular wx'd meta rocks); reddish brown. Moist.	ML-SW				
8	Coarse sand and fine angular gravel; buff to brown. Wet.	SP-GP	8-11.5	0	NA	2.5
10	SAND, fine; some silt; brown to buff, with irregular black and white laminae. Abundant mica flakes; relict gneissic texture. Moist; dense. WEATHERED BEDROCK.	SP				
12	End of boring.					
14						
16						
18						

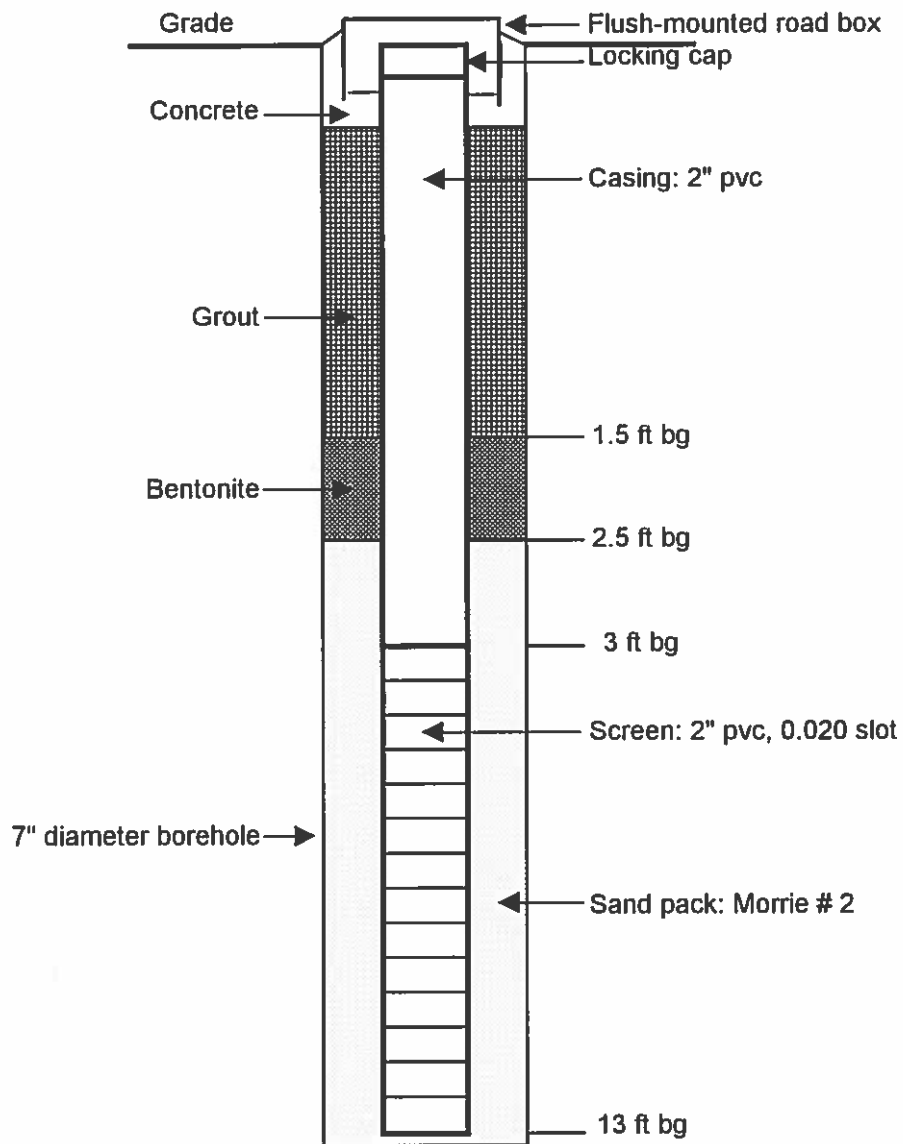
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-28	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	S. Green
Client:	Westchester County	Top-of-casing elevation:	427.07 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	3.75 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	9/22/00	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-29

Date: 09/21/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore/hollow-stem auger

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase. SILT; some fine sand; brown. FILL		0-4	0	NA	3
2	SAND, fine; little silt; trace medium to coarse sand; trace fine to coarse gravel (with brick fragments); reddish brown to brown. FILL.					
4	GRAVEL, with brick fragments. FILL.		4-8	0	NA	4
6	SAND, fine; some silt; trace medium to coarse sand; trace gravel (wx'd meta rocks); reddish brown. Mica flakes common.	SM				
8	Coarse sand and fine angular gravel; buff to brown; wet.	SP-GP	8-12	0	NA	3
10	SAND, fine; some silt; brown to buff, with irregular black and white laminae. Dense. Abundant mica flakes and relict gneissic texture. WEATHERED BEDROCK.	SM				
12	End of boring.					
14						
16						
18						

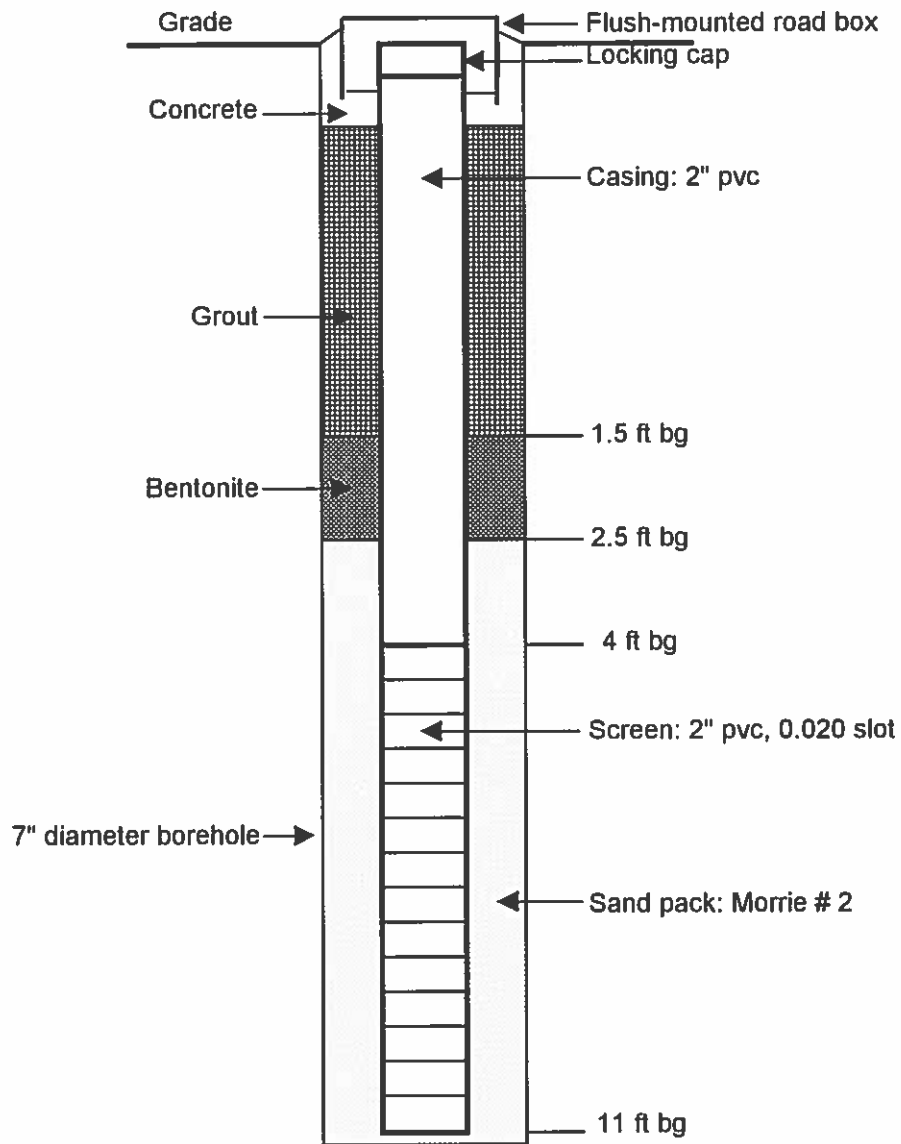
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-29	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	C. Viani
Client:	Westchester County	Top-of-casing elevation:	426.76 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	4.47 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	9/21/00	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-30

Date: 09/21/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	GRAVEL.	GP	0-4	0	NA	2.5
2	SILT; some fine sand; trace medium to coarse sand; trace gravel; grayish brown to reddish brown.	ML				
4	Fine angular gravel and coarse sand; little silt; dark brown. Wet.	GP-SP	4-8	0	NA	3
6	SAND, fine; little to some silt; trace medium to coarse sand; trace angular gravel; brown to gray to reddish brown. Moist. Relict schistose texture visible below 6'.	SP				
8	WEATHERED BEDROCK. Very dense below 8'.		8-12	NA	NA	0
12	End of boring.					
14						
16						
18						

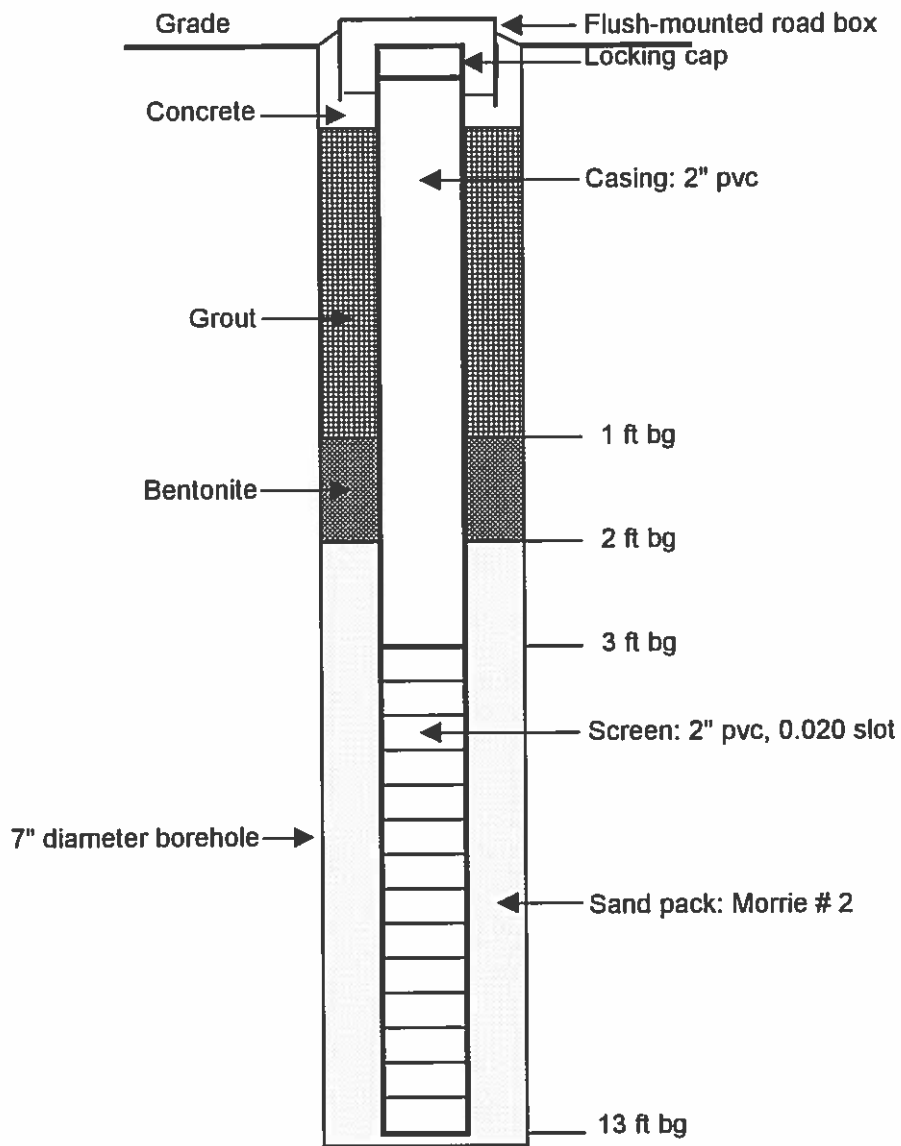
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-30	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	C. Viani
Client:	Westchester County	Top-of-casing elevation:	422.64 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	4.91 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	9/21/00	Comments:	
Driller:	Enviroprobe		



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-31

Date: 11/07/2000

Permit No.:

Driller: Summit

Client: Westchester County

Drilling method: Hollow-stem auger

Site: Westchester County Airport

Observer: S. Green

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Concrete/gravel.		0-2	0	60-70	NM
2	SAND, fine; orange.	SP	2-4	0	50-45	1.5
	Silt and fine sand.	SM-ML				
4	SAND, fine; trace silt; trace gravel, grading down to no gravel; brownish orange.	SP	4-6	300	45-45-60-65	1
6			6-8	89	7-7-14-24	.5
8	Silt and clay; trace gravel; dark brown. Occ. plant stems and wood.	ML-CL	8-10	0	31-18-24-16	1
10			10-12	0	24-18-21-16	0
12	SAND, fine; little gravel; trace clay; dark brown.	SP	12-14	0	7-12-17-16	1.5
14	SAND, fine; little silt; trace clay and gravel; dark brown.	SP	14-16	0	1-2-3-2	1
16	CLAY; brown.	CL	16-18	0	1-4-2-2	1.5
18	SAND, fine to medium; orange brown.	SW	18-20	0	14-16-33-29	1
	SAND, fine; little gravel.	SP				
20	Coarse sand and gravel. WEATHERED BEDROCK.	SP-GP	20-22	0	50-60-70-75	1.5
22	End of boring.					

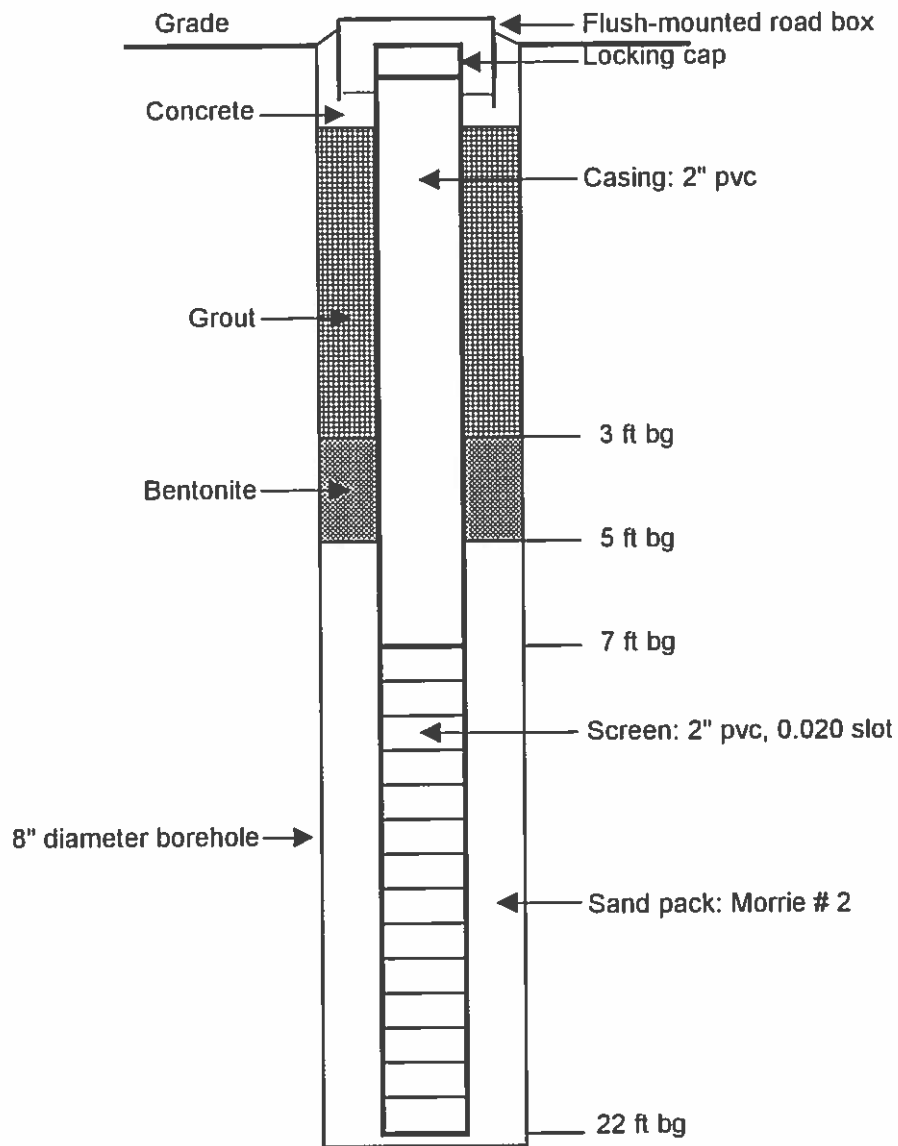
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-31	Drilling method: Hollow-stem auger
Permit No.:	Observer: S. Green
Client: Westchester County	Top-of-casing elevation: 428.37 ft AMSL
Site: Westchester County Airport	Depth-to-water: 12.93 ft BTOC
Project:	Hydraulic conductivity: 0.17 ft/day
Date: 11/07/2000	Comments:
Driller: Summit Drilling	



FIRST ENVIRONMENT BORING LOG

Sheet 1 of 2

Boring/Well No.: FMW-32

Date: 11/09/2000

Permit No.:

Driller: Summit Drilling

Client: Westchester County

Drilling method: Hollow-stem auger

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: See well construction log for well construction.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; little silt; trace fine gravel; brown. Scattered gray mottles from 4' -8'.	SP-SM	0-2	0	NM	1
			2-4	0	NM	1
			4-6	0	NM	1.5
			6-8	0	NM	0.5
5	SAND, fine to medium; little silt; trace fine to medium gravel; brown.	SW-SM	8-10	0	NM	1.5
			10-12	0	NM	0.5
			12-14	0	NM	1
10	SAND, fine; little to some silt; trace fine gravel; brown, becoming gray at bottom. Wet and soupy.	SP-SM	14-16	0	NM	1.5
15			16-18	0	NM	1
	SAND, fine; little to some silt and clay; gray; very moist and sticky.	SP-SM	18-20	0	NM	1.5
	Fine to medium sand and clay; trace coarse sand; gray, with occ. brown mottles. Occ. plant fragments. SAND, fine to medium; trace to some silt; trace fine gravel (wx'd meta rock fragments); brown at top, to gray at 22'. Very dense, wet. WEATHERED BEDROCK?	SW-CL	20-22	0	NM	1
20			22-24	0	NM	NM
			24-26	0	NM	NM
			26-28	0	NM	NM
25	No split-spoon samples collected beyond 28'.					
30						

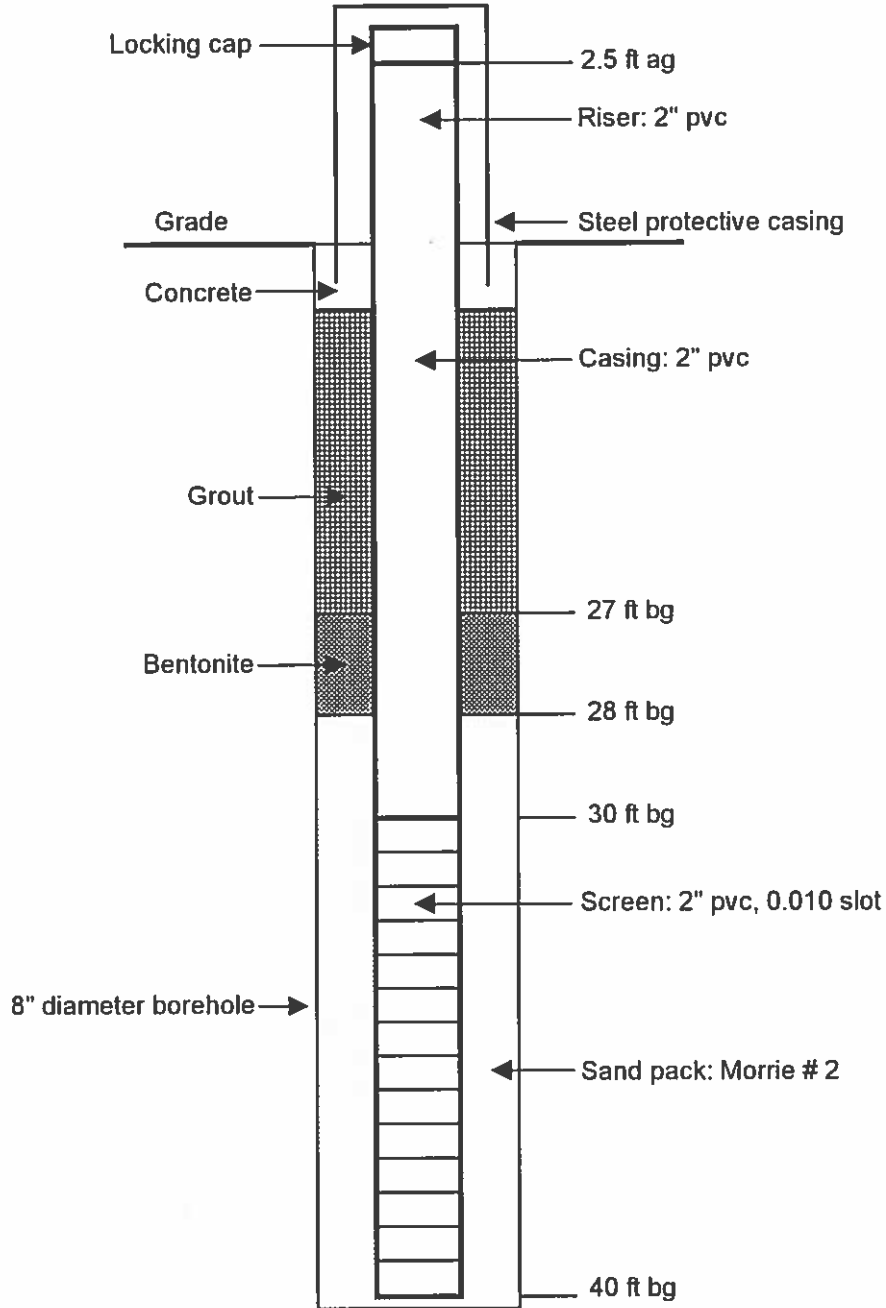
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-32	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	C. Viani
Client:	Westchester County	Top-of-casing elevation:	430.78 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	17.50 ft BTOC
Project:		Hydraulic conductivity:	NM
Date:	11/09/2000	Comments:	
Driller:	Summit Drilling		



ft bg = feet below grade
ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-33
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 11/15/2000
 Driller: CT&E
 Drilling method: Air Rotary
 Observer: Tim Egan
 Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	ASPHALT					
2	SAND, fine to medium; some fine gravel; trace silt; grayish brown. Moist.	SW	5-7	0	26 50 49 80	1.5
6				0		
8			7-9	0	23 45 58 43	1.6
10			0			
12	WEATHERED BEDROCK (schist).		13-13.1	0	50/2"	0.1/0.1
14						
16						
18						

trace = < 10%
 little = 10% - 20%

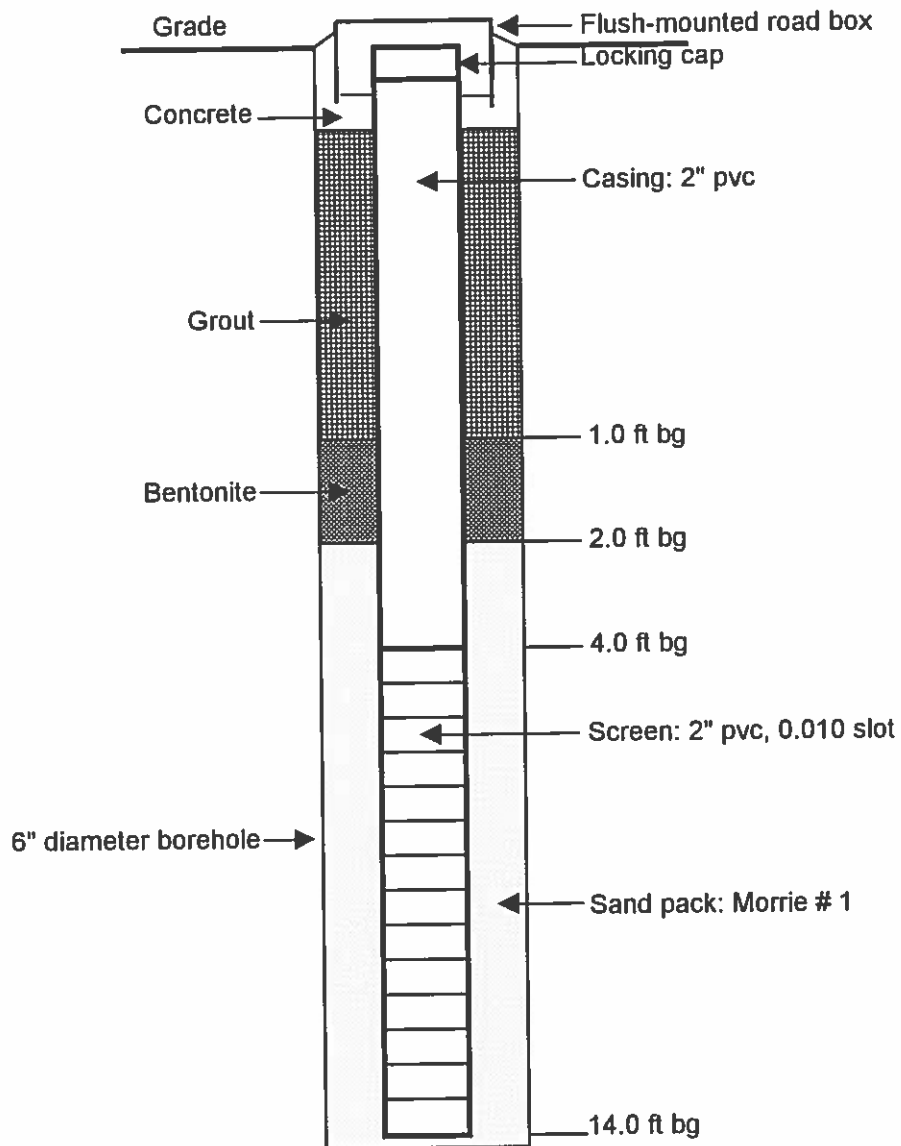
some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-33
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 11/15/00
 Driller: C,T&E

Drilling method: Air rotary
 Observer: Tim Egan
 Top-of-casing elevation: 433.62 ft AMSL
 Depth-to-water: 11.0 ft BTOC
 Hydraulic conductivity: NM
 Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 2

Boring/Well No.: FMW-34
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 11/09/2000
 Driller: Summit Drilling
 Drilling method: Hollow-stem auger
 Observer: C. Viani
 Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-2	NA	NM	0
2	SAND, medium; trace silt; trace fine gravel; orangish brown. Dense.	SP	2-4	0	NM	0.5
6	SAND, fine to medium; trace to little silt; trace coarse sand and fine gravel; reddish brown, to gray at 6.5'. Very moist; dense.	SW	6-8	0	NM	1
12			12-14	NA	NM	0
14	SILT; trace fine gravel; with little sand below 15'; gray to grayish brown, with rust colored mottles. Occ. plant fragments.	ML	14-16	0	NM	2
16	SILT; trace sand; trace gravel (wx'd meta rocks); gray, with numerous reddish brown laminae.	ML	16-18	0	NM	2
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 2 of 2

Boring/ Well no.: FMW-34
 Client: Westchester County
 Site: Westchester County Airport

Project:
 Date: 10/09/2000

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
18	SAND, fine to medium; little silt; trace coarse sand and gravel; grayish brown to brown to grayish reddish brown.	SW-SM	18-20	0	NM	1.5
20			20-22	0	NM	1.5
22	SAND, fine to coarse; little fine gravel; offwhite to light brown. Abundant xline rock and feldspar fragments. WEATHERED BEDROCK.	SW	22-24	0	NM	1
24	SAND, fine; trace to little silt; trace gravel (wx'd meta rocks); brown, with rusty brown gravel. Relict schistose texture. WEATHERED BEDROCK.	SP	24-26	0	NM	1
26			Wet at 26'			
30	End of boring (auger refusal).					
32						
34						
36						
38						

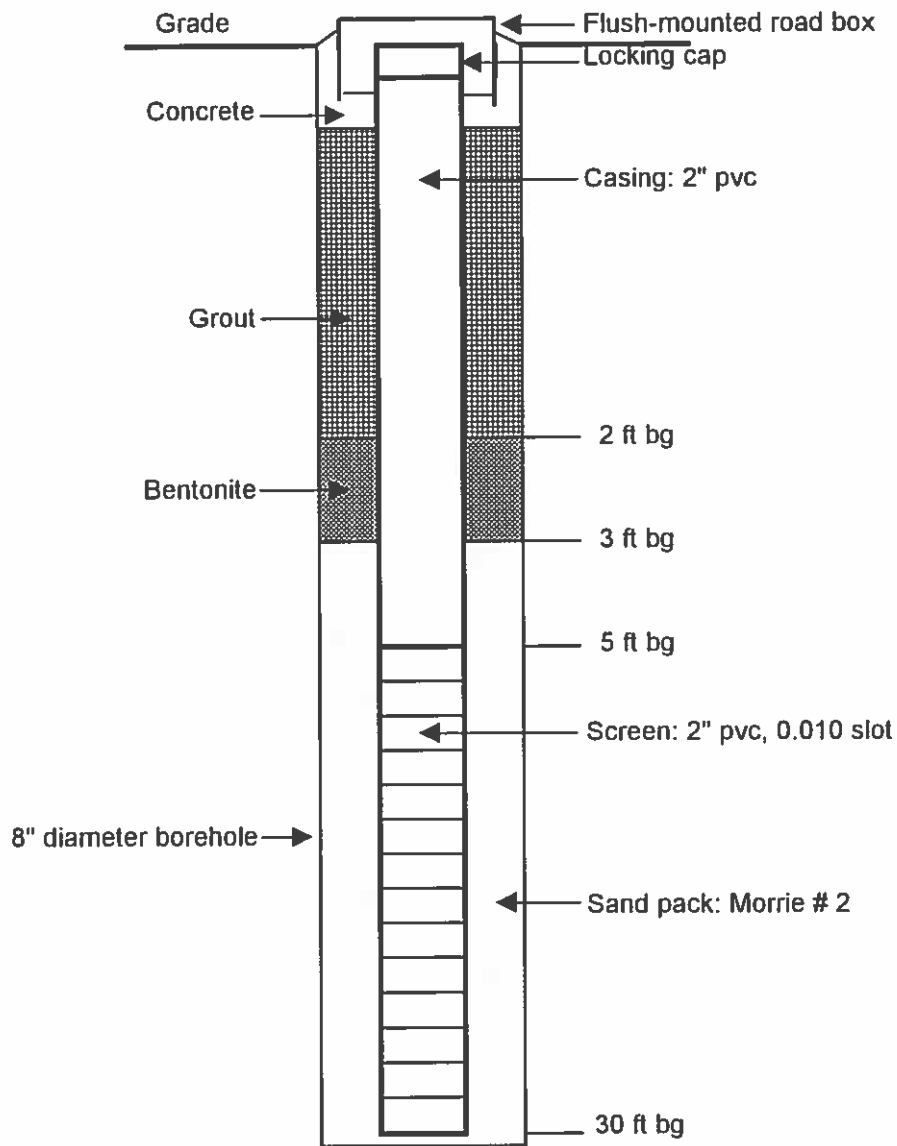
trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.:	FMW-34	Drilling method:	Hollow-stem auger
Permit No.:		Observer:	C. Viani
Client:	Westchester County	Top-of-casing elevation:	440.01 ft AMSL
Site:	Westchester County Airport	Depth-to-water:	17.55 ft BTOC
Project:		Hydraulic conductivity:	3.62 ft/day
Date:	10/09/2000	Comments:	
Driller:	Summit Drilling		

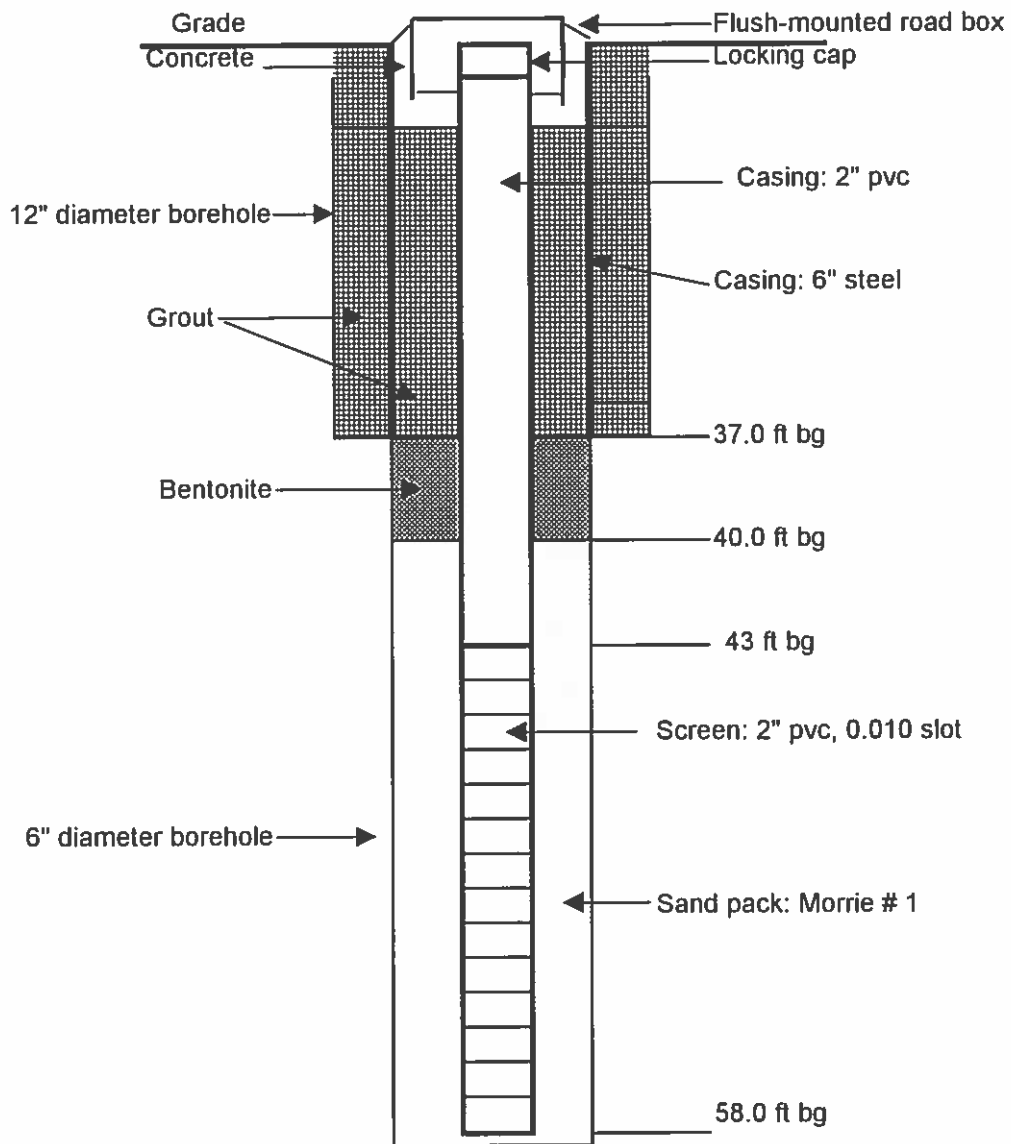


ft bg = feet below grade

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-35
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 11/14/00 - 11/15/00
 Driller: CT&E

Drilling method: Air Rotary
 Observer: C. Viani/Tim Egan
 Top-of-casing elevation: 440.53 ft AMSL
 Depth-to-water: 17.6 ft BTOC
 Hydraulic conductivity: NM
 Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 2

Boring/Well No.: FMW-36

Date: 11/15/00 - 11/16/00

Permit No.: N/A

Driller: CT&E

Client: Westchester County

Drilling method: Air Rotary

Site: Westchester County Airport

Observer: T. Egan / C. Viani

Project:

Comments: See boring log of FMW-12 for shallow lithologic details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0 5 10 15 20 25 30	Unconsolidated materials. BEDROCK (schist).		cuttings	NA	NA	NA

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 2 of 2

Boring/Well No. FMW-36
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 11/15/00 - 11/16/00
 Driller: CT&E
 Drilling method: Air Rotary
 Observer: T. Egan / C. Viani
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
30	BEDROCK (schist).		cuttings			
35						
40	End of boring.					
45						
50						
55						
60						
60						

trace = < 10%
 little = 10% - 20%

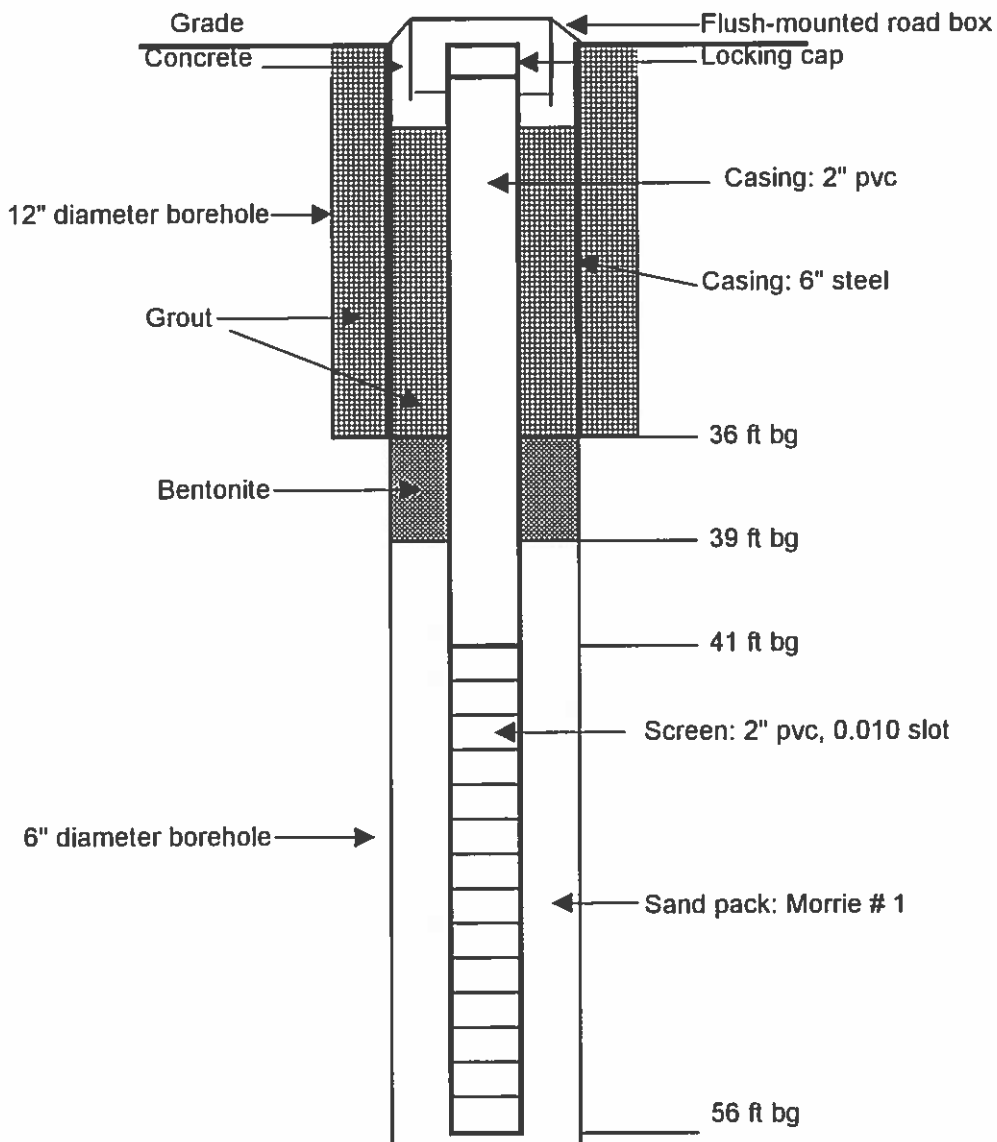
some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-36
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 11/15/00 - 11/16/00
 Driller: Enviroprobe

Drilling method: Air Rotary
 Observer: T. Egan / C. Viani
 Top-of-casing elevation: 435.42 ft AMSL
 Depth-to-water: 30.65 ft BTOC
 Hydraulic conductivity: NM
 Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-37
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 11/08/2000
 Driller: Summit Drilling
 Drilling method: Hollow-stem auger
 Observer: S. Green
 Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)						
0	SAND, medium; trace gravel; trace silt; brown.	SP	cuttings	NM	NA	NA						
2												
4												
6												
8												
10												
12												
14												
16												
18												
14							End of boring.					
16												
18												

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-37

Permit No.:

Client: Westchester County

Site: Westchester County Airport

Project:

Date: 11/8/00

Driller: Summit Drilling

Drilling method: Hollow-stem auger

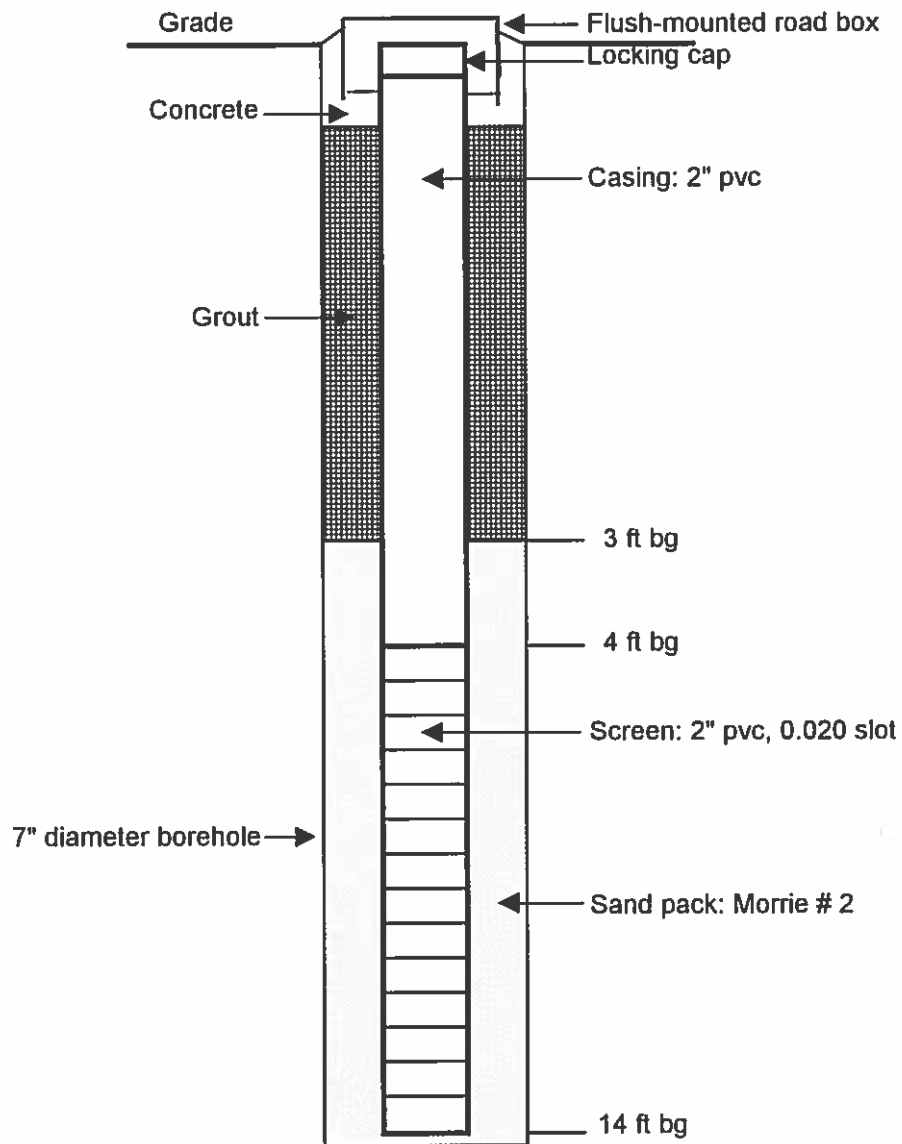
Observer: S. Green

Top-of-casing elevation: 425.71 ft AMSL

Depth-to-water: 7.22 ft BTOC

Hydraulic conductivity: NM

Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-38	Date: 11/08/2000
Permit No.:	Driller: Summit
Client: Westchester County	Drilling method: Hollow-stem auger
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)						
0	SAND, medium; trace gravel; trace silt; brown. Strong fuel odor noticed on cuttings.		cuttings	NM	NA	NA						
2												
4												
6												
8												
10												
12							End of boring (bedrock).					
14												
16												
18												

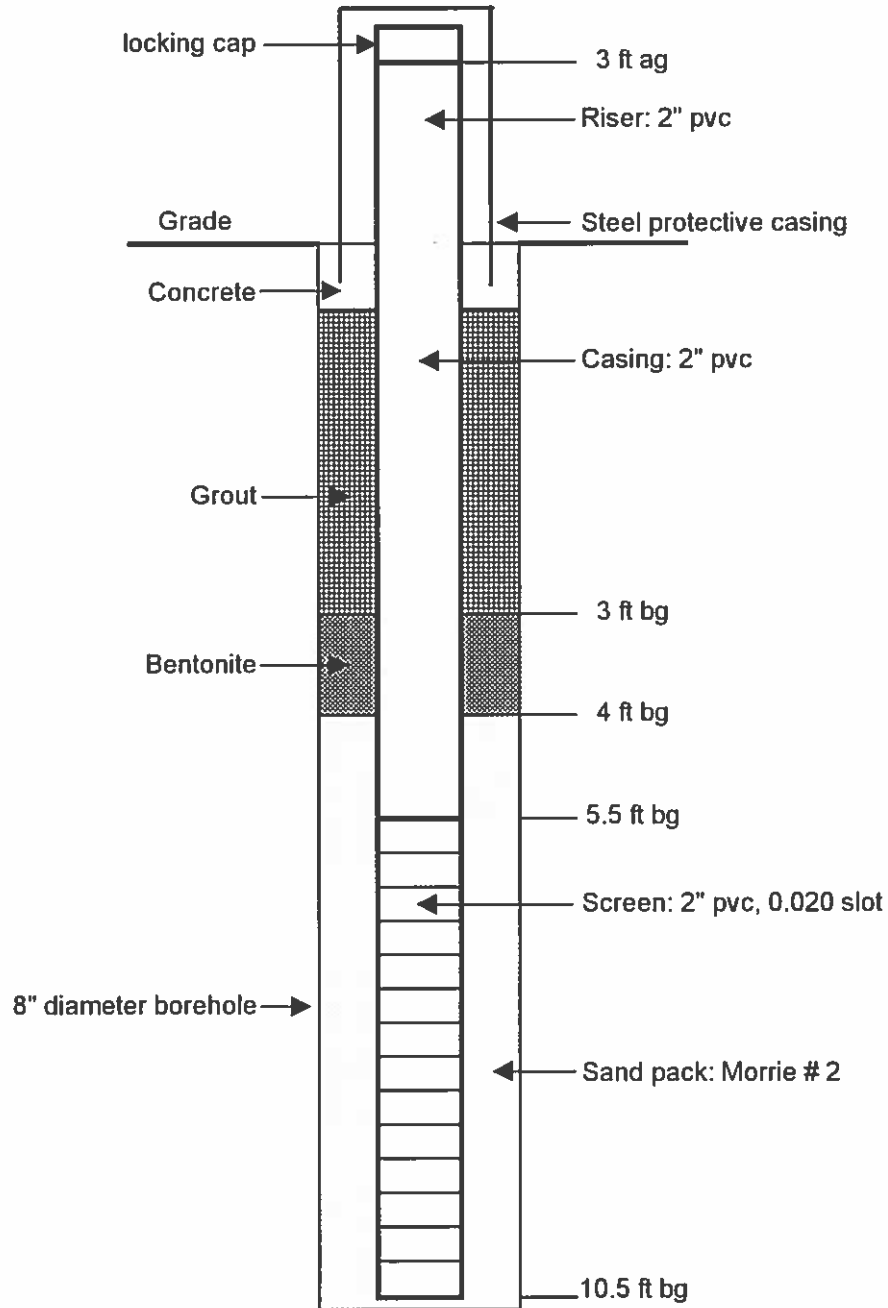
trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-38	Drilling method: Hollow-stem auger
Permit No.:	Observer: S. Green
Client: Westchester County	Top-of-casing elevation: NM
Site: Westchester County Airport	Depth-to-water: 11.52 ft BTOC
Project:	Hydraulic conductivity: 0.19 ft/day
Date: 11/08/2000	Comments:
Driller: Summit	



ft bg = feet below grade
ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-39
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 11/08/2000
 Driller: Summit
 Drilling method: Hollow-stem auger
 Observer: S. Green
 Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Topsoil and fine sand.	SP	0-2	0	10-12-16-14	0.7
2	SAND, fine, little silt, trace clay; orange brown, grading downward to brown.	SP-SM	2-4	0	10-12-16-14	2.5
4			5-7	0	16-24-80-100	0.2
6	End of boring (split-spoon refusal - bedrock).					
8						
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-39

Permit No.:

Client: Westchester County

Site: Westchester County Airport

Project:

Date: 11/8/00

Driller: Summit Drilling

Drilling method: Hollow-stem auger

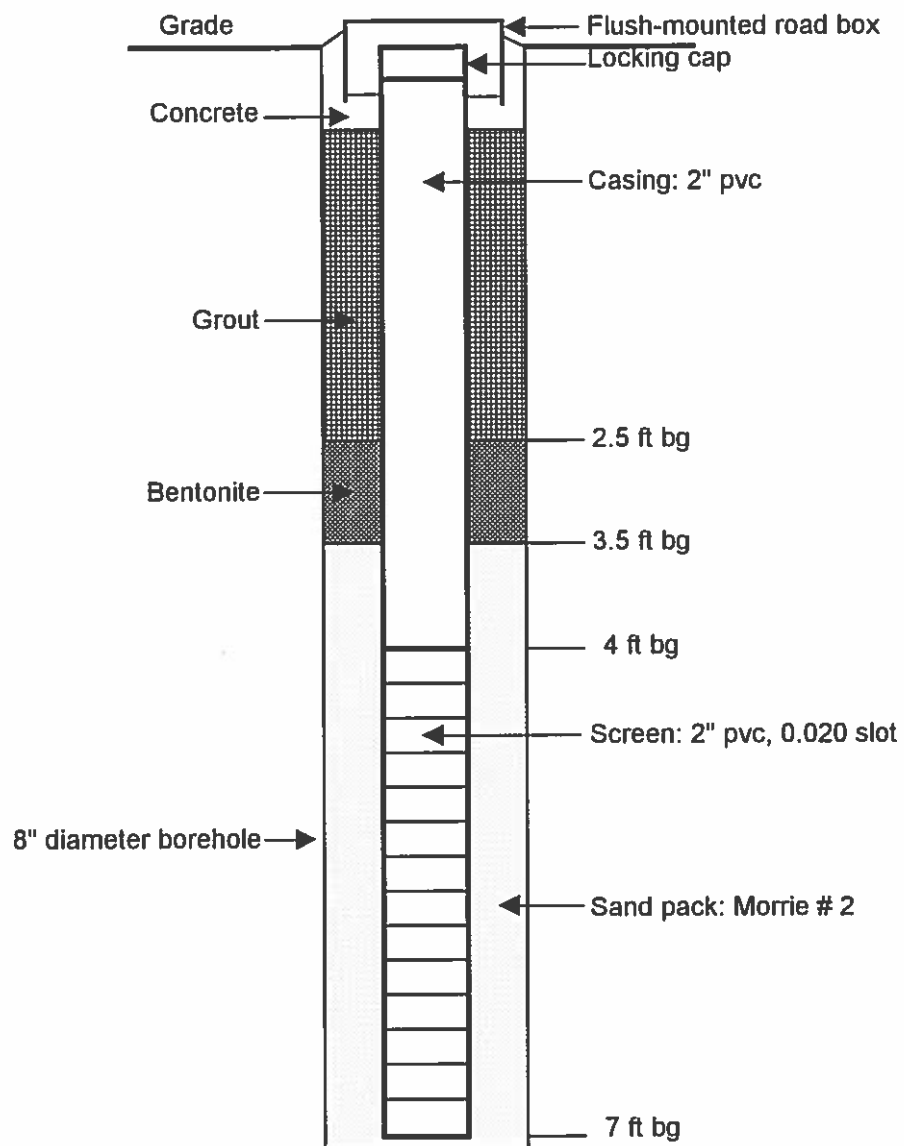
Observer: S. Green

Top-of-casing elevation: 388.77 ft AMSL

Depth-to-water: 4.65 ft BTOC

Hydraulic conductivity: NM

Comments:



ft bg = feet below grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: FMW-40	Date: 11/30/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore/hollow-stem auger
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	3.5
2	SAND, fine; some to little silt; trace coarse sand; trace gravel; brown to gray to buff.	SP-SM				
4	Silt and fine sand; dark gray. Abundant mica flakes. Schistose texture. WEATHERED BEDROCK.	SM-ML	4-5	0	NA	1
6	Macrocore refusal at 5'. Auger to 9.6'					
8						
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

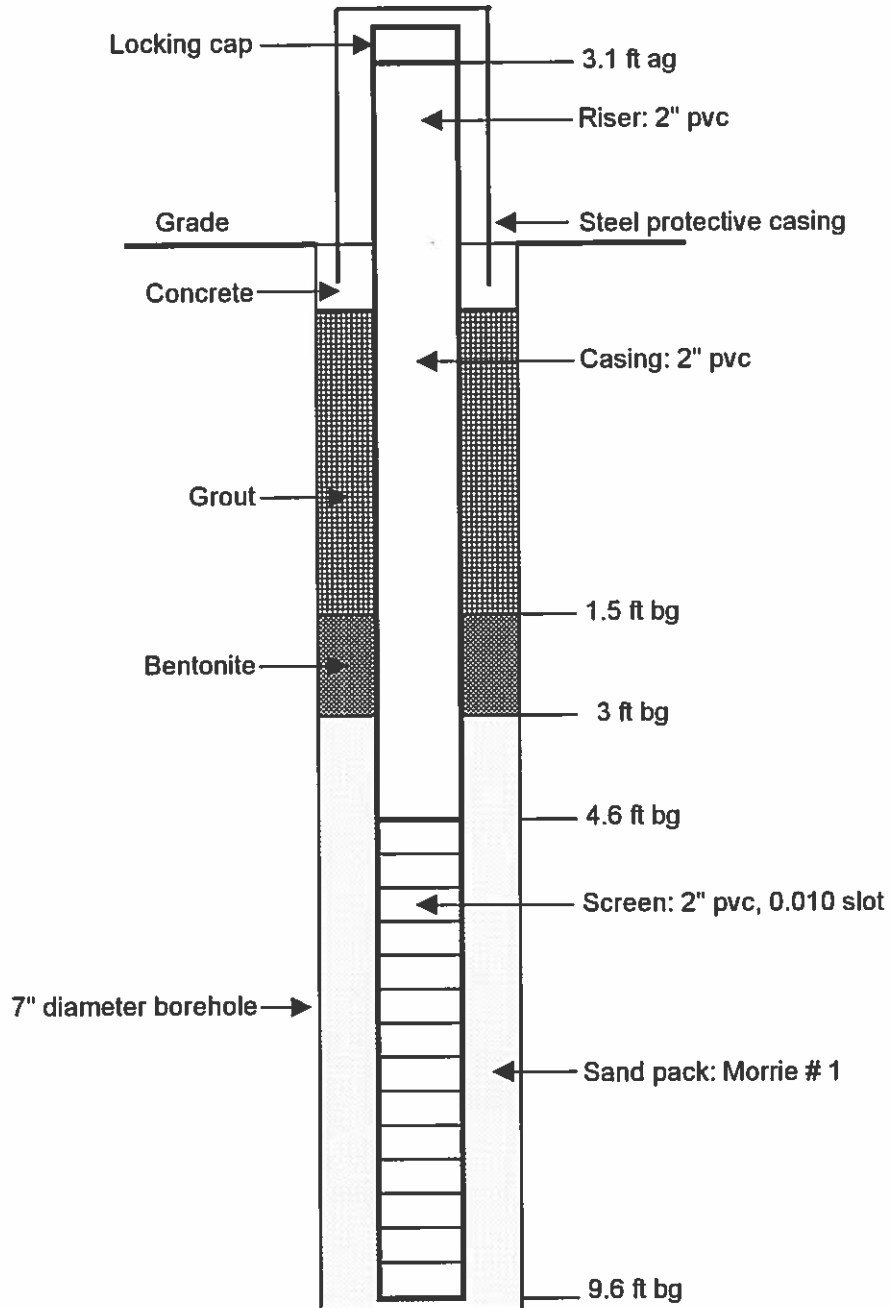
some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT WELL-CONSTRUCTION LOG

Well No.: FMW-40
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:
 Date: 11/30/00
 Driller: Enviroprobe

Drilling method: Hollow-stem auger
 Observer: C. Viani
 Top-of-casing elevation: 428.93 ft AMSL
 Depth-to-water: 8.0 ft BTOC
 Hydraulic conductivity: NM
 Comments:



ft bg = feet below grade
 ft ag = feet above grade

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-1	Date: 12/22/1999
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; trace silt; trace gravel; brown to greenish brown. FILL.		0-4	0	NA	3
2						
4	GRAVEL, angular; some sand; dark brown. FILL.		4-7	0	NA	3
6	SAND, fine; little silt; trace gravel; greenish gray. Moist to wet. FILL.					
8	Sand and angular gravel; trace silt; orange brown. Moist to wet. FILL.					
8	End of boring at 7'					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-2

Date: 12/22/1999

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; trace to little gravel; trace to little silt; brown, to black at bottom of sample. Moist. FILL.		0-4	0	NA	3
2						
4	SAND, fine to medium; trace to little silt; trace gravel; light brown. Wet.	SP-SW	4-8	0	NA	2.5
6	End of boring.					
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-3

Date: 12/22/1999

Permit No.:

Driller: First Environment

Client:

Westchester County

Drilling method: Geoprobe macrocore

Site:

Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; trace to little silt; trace gravel; brown; with 2" lense of black angular gravel with some sand. FILL.		0-4	0	NA	3
2						
4	SILT, little clay; trace sand and gravel; brown. FILL.					
4	SAND, medium; trace to little silt; trace gravel; grayish brown to brown. Wet below 6'.	SP	4-8	0	NA	NM
6						
8						
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-4

Date: 12/22/99

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; trace to little silt; trace fine to medium gravel; brown to dark brown.	SP	0-4	0	NA	2.5
2						
4	SAND, fine to medium; trace to little silt; trace coarse sand and fine gravel; gray to orange brown. Wet.	SP-SW	4-8	0	NA	3.5
6						
8						
12	End of boring.		8-12	0	NA	1.5
10						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-5

Date: 12/22/1999

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; some silt; brown.	SP	0-4	17	NA	3.5
2	Sand and angular gravel; dark brown to black, with oily sheen and hydrocarbon odor at 1.7' to 2'.	SP-GP				
4	SAND, medium; little to some silt; brown. Hydrocarbon odor.	SM	4-8	0	NA	2.5
	SAND, medium; gray. Wet.	SP				
	Sand, medium, and angular gravel; dark gray. Petroleum hydrocarbon odor and sheen. Wet.	SP-GP				
6	SAND, fine to medium; trace to little silt; brown. Wet.	SW				
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-6	Date: 12/22/1999
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; trace to little silt; brown. FILL.		0-4	0	NA	3
2	Medium sand and angular gravel; dark gray to black. FILL.					
2	SAND, medium; little to some silt; trace gravel; brown to greenish brown. FILL.					
4	SAND, medium; little silt; brownish gray. Wet at top, moist below.	SP-SM	4-8	0	NA	2.5
6						
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-7	Date: 12/22/1999
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Sand, silt, and angular gravel (heterogenous mixture); brown. Wet. FILL.		0-4	225	NA	2.5
2	SAND, medium; trace to some silt; brown to dark brown; with plant debris. Moist.	SP-SM				
4	SAND, medium; trace to little silt; trace gravel; brownish gray. Wet.	SP	4-8	15	NA	1.5
6						
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: B-8

Date: 12/22/99

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; trace to some silt; trace gravel; brown.	SW	0-4	0	NA	2.5
2						
4	SILT, trace to some clay; trace to little fine to medium sand; gray to reddish brown. Wet.	ML	4-8	0	NA	3.5
6						
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-1
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 6/1/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: S. Green
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; trace gravel.	SP	0-4	150	NA	3.5
2						
4	SAND, fine to medium; brown; micaceous.	SW	4-8	150	NA	3.5
6						
8	SAND, medium; micaceous.	SP	8-12	105	NA	2
10						
12	End of boring.			125		
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-2
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 6/1/22
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: S. Green
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; trace gravel; trace silt; brown; micaceous.	SP	0-4	46	NA	4
2						
4	SAND, fine to medium; little silt; micaceous.	SW	4-8	30	NA	3
6						
8	SAND, medium to coarse; little gravel (wx'd rock fragments); trace silt.	SW	8-12		NA	NM
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-3
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 6/1/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: S. Green
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; trace gravel; brown.	SP	0-4		NA	4
2			4.5			
4	SAND, medium to coarse; micaceous.	SW	4-8	1	NA	NM
6						
8	SAND, medium to coarse; little gravel (wx'd rock fragments); trace silt.	SW	8-12		NA	NM
10			1.6			
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-4	Date: 6/1/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: S. Green
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; brown.		0-4	1.5	NA	3.5
2						
4	SAND, fine to medium; little gravel; micaceous.		4-7	1	NA	3
6						
8	SAND, medium to coarse; black to gray, with petroleum product. WEATHERED BEDROCK.		7-11	500	NA	2
10						
12	WEATHERED BEDROCK.		11-12.5	280	NA	1.5
14	End of boring.					
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-5

Date: 06/01/2000

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: S. Green

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; little to trace gravel; brown. Dense.	SP	0-4		NA	NM
2						
4			4-8	4	NA	NM
6				4		
8	SAND, fine to medium; trace gravel (wx'd rock fragments); brown.	SW	8-12		NA	NM
10				2		
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-6
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 12/14/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium; trace silt; trace coarse sand and gravel (meta rocks); dark brown.	SW	0-4	0	NA	2.5
2			0			
4	Color changes to reddish brown below 4'.		4-8	0	NA	4
6	Silt and fine sand; little clay; trace gravel; gray.	SM-ML		0		
8				0		
8	SAND, fine to medium; trace silt; trace coarse sand and gravel (meta rocks); brown to grayish brown.	SW	8-11		NA	3
10	Moist to wet at 10'			0		
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-7	Date: 6/2/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: S. Green
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SILT; some fine sand; trace clay; trace gravel; greenish gray. Mica flakes common.	ML	0-4	0	NA	3
2						
4						
4	SAND, fine to medium; trace silt; trace gravel (wx'd meta rock fragments); brown, to dark gray at 6'.	SW	4-7	0	NA	3
6						
8	SAND, medium; trace to little silt; trace gravel; dark gray to brownish gray. Wet at 9.5'.	SP	7-10	0	NA	3
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-8	Date: 6/2/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: See well construction log for construction details.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium; trace to some silt; trace gravel; brownish gray.	SW	0-4	0	NA	3
2			4	0	NA	1
4	Color changes to reddish brown below 3.5'.		4-5	0	NA	1
6	End of boring (refusal).					
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-9	Date: 06/16/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt.		0-4		NA	3
2	SAND, medium to fine; trace gravel; brown.	SW		0		
4			4-8		NA	3
6	Color becomes dark gray, with strong petroleum hydrocarbon odor, at 6.5' to 7'.			850		
8			8-12		NA	2
10	SAND, medium; trace to little silt; trace gravel; gray, grading downward to brown. Wet. Petroleum hydrocarbon odor in gray zone.	SP		130		
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-10	Date: 06/16/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt.		0-4		NA	2.5
2	SAND, fine, trace to little silt; trace gravel; brown.	SP		5		
4	SAND, fine to medium; trace to little silt; trace gravel; brown.	SW-SM	4-8		NA	3
6				8		
8	Wet at 7'. Some gray colored lenses with slight petroleum hydrocarbon odor between 8' and 12'.		8-12	80	NA	3
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-11
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 06/20/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.	-	0-4	5	NA	2.5
	SAND, brown; with little silt.	SM				
2	SILT, with some fine sand; brown, grading downward to gray.	ML				
4	SAND, grayish brown; with little silt. Strong petroleum hydrocarbon odor.	SM	4-8		NA	4
6	Wet at 7'.			1700		
8	SAND, coarse to fine; with little to some silt; trace gravel; brownish gray at top, grading downward to brown, with abundant mica flakes. Wet throughout, with an oily free-product film. WEATHERED BEDROCK.	SM	8-11	1700	NA	3
10						
12	End of boring.					
14						
16						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-12	Date: 06/20/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3.5
	SAND, fine; little silt; brown; gravel lense at 1.5'	SW				
2	Clay and silt; little sand; dark brown to gray, with reddish brown mottles.	CL-ML				
4	SAND, medium to fine; trace to little silt; dark brown. Wet below 6'. Petroleum hydrocarbon odor.	SW	4-8	15	NA	3
6				1400		
8	SAND, medium; dark gray. Wet.	SP	8-12		NA	3.5
10				500		
12	SAND, fine to medium; little to some silt; trace gravel (meta rocks); reddish brown; mica flakes common. Wet.	SW-SM				
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-13

Date: 6/20/00

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	No recovery.		0-4	NA	NA	0
2						
4	SAND, fine; trace silt; gray.	SP	4-8		NA	3.5
6	SAND, medium to coarse; trace gravel; brown to reddish brown.	SW				
6	SAND, fine; trace silt; reddish brown. Wet at 6.5'.	SP				
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-14	Date: 06/20/2000
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	2.5
2	Sand, silt, clay, and gravel (heterogeneous mixture); brown to dark brown. FILL.			20		
4	Sand, medium to coarse, to fine sand with little silt; brown. Wet. Petroleum hydrocarbon odor and sheen at 7.5'.	SW-SM	4-8		NA	3.5
6				680		
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-15	Date: 6/20/00
Permit No.:	Driller: Enviroprobe
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3
2	Clay with little fine sand, to fine sand with little silt; brown, grading downward to gray.	CL-SM		10		
4	SAND, fine, little silt; gray.	SP	4-8		NA	3.5
6	SAND, fine to medium; trace to little silt; trace gravel (meta rocks and mica); brown to rusty brown.	SW		30		
	Wet below 7'.					
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.:	GB-16	Date:	6/20/00
Permit No.:		Driller:	Enviroprobe
Client:	Westchester County	Drilling method:	Geoprobe macrocore
Site:	Westchester County Airport	Observer:	C. Viani
Project:		Comments:	

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	1	NA	2
	SAND, medium; little silt; reddish brown.	SP				
2	SILT; trace gravel; gray, with reddish brown staining along partings.	ML				
4	SAND, fine to medium; little silt; trace gravel (wx'd meta rock and mica); brown to reddish brown.	SW	4-8	4	NA	3.5
6						
7	Wet at 7'.					
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-17

Date: 06/20/2000

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium; no to little silt; trace gravel; brown.	SW	0-4	0	NA	3
2						
4	CLAY; little sand; brown.	CL				
4	SAND, fine to medium; trace to little silt; trace gravel (wx'd meta rocks and mica); rusty brown. Color grades to gray at 6.5', with slight petroleum hydrocarbon odor. Color grades to brown and rusty brown at 7.5'. Wet.	SW	4-8	160	NA	3.5
6						
8						
8	End of boring.		8-12	10	NA	2.5
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-18

Date: 6/20/00

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4		NA	4
2	SAND, fine to medium; trace to little silt; trace gravel (wx'd meta rocks and mica); brown to orange brown.	SW		10		
4			4-8		NA	0
6						
8	Wet below 8'.		8-12		NA	3
10				0		
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-19

Date: 6/20/00

Permit No.:

Driller: Enviroprobe

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Sand, fine, and silt; trace gravel; brown to dark brown.	SM-ML	0-4	0	NA	1.5
2						
4	End of boring (refusal).					
6						
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-20

Date: 6/21/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: M. Quintella

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, little silt; trace gravel (meta rocks); brown.	SM	0-4	200	NA	NM
2						
4	SAND, some gravel; light brown.	SP	4-8	37	NA	NM
6						
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-21

Date: 6/21/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: M. Quintella

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; little silt; trace gravel (meta rocks and mica); light brown.	SP	0-4	15	NA	NM
2						
4	SAND, medium to coarse; trace gravel (meta rocks and mica); brownish gray, grading downward to brown.	SW	4-8	2	NA	NM
6						
8	SAND, medium to fine; trace gravel; brown.	SW	8-10	3	NA	NM
	CLAY; little silt; gray.	CL				
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-22
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 6/21/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; little silt; trace gravel (meta rocks and mica); brown. Wet at 4'.	SP	0-4	0	NA	NM
2			4-8	0	NA	NM
4	SAND, medium to fine; trace gravel (meta rocks and mica); brownish gray, grading downward to brown.	SW	8-12	0	NA	NM
6			12-14	0	NA	NM
8	Color changes to gray. Wet at 8'.					
10						
12	Sand, fine, and silt; gray,	SM-ML				
14	End of boring (refusal).					
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-23
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 6/21/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; w/ trace clay at 1.5' to 2'; brown, grading downward to gray; occ. mica.	SW	0-4	5	NA	NM
2						
4	SAND; little silt; occ. roots; gray.	SM	4-8	1	NA	NM
6						
8	SILT, trace clay; gray.	ML	8-11	0	NA	NM
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-24
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 6/21/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	CLAY, some silt and sand; brown.	CL	0-4	1	NA	NM
2						
4	CLAY; some fine sand; gray.	CL	4-8	3	NA	NM
6						
8	SAND; some silt; gray; occ. mica. Wet.	SM	8-10		NA	NM
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-40
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/23/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Gravel, fine; some medium to fine sand; gray.	GP	0-4	90	NA	2
2	SAND, medium to fine, brown; trace fine gravel.	SW		1		
4			4-8	500	NA	4
6	SAND, medium to fine; gray.	SW		350		
8	Strong petroleum hydrocarbon odor at 7.5'. SAND, medium to fine; trace fine gravel; brown.	SW	8-12	1300	NA	3
	SAND, medium to fine; gray.	SW		876		
	Clay and silt; gray.	CL-ML				
10	SAND, medium to fine; gray. Rock fragments at 10.5' to 11'.	SW		1000		
12	End of boring (core refusal).					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-41
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/24/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3.5
2	SAND, fine; trace silt; trace fine to medium gravel; orangish brown to brown.	SP		0		
4	SAND, fine; trace silt; trace coarse sand; trace fine to medium gravel; dark reddish brown. Occ. mica flakes. Mica becomes more abundant, and deeply weathered schist fragments appear at depth. WEATHERED BEDROCK.	SP-SW	4-7	0	NA	2.5
8			7-9	0	NA	2
10	End of boring (refusal).					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-42
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/24/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	2.5
2	SAND, fine; trace to some silt; trace coarse sand; trace fine to medium gravel (wx'd and unwx'd meta rocks); dark reddish brown.	SP				
4	Color changes to brown. A few thin lenses of gray silt in 4'-7' interval.		4-7	0	NA	2
6						
8	No recovery from 7'-10'.		7-10	NA	NA	0
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-43
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/25/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3
	SAND, medium; trace silt; trace gravel.	SP				
2	Sand and silt; trace clay; trace gravel.	SM-ML				
4			4-7	0	NA	3
6	SAND, fine to medium; some gravel; trace silt.	SW				
8			7-10	0	NA	3
10	SAND, coarse. WEATHERED BEDROCK.	SP	10-11	0	NA	1
12	End of boring (refusal).					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-44

Date: 10/25/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Edwards

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	4
2	SAND, fine to medium; trace silt; trace gravel; trace clay.	SW				
4			4-7	0	NA	3
6						
8			7-10	0	NA	3
8	SAND, medium to coarse.	SW				
	SAND, medium; some gravel; trace silt.	SP				
10			10-14	0	NA	4
	SAND, coarse. WEATHERED BEDROCK.	SP				
12						
14	End of boring (refusal).					
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-45
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/25/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: T. Egan
 Comments: Boring backfilled upon completion

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone	-	0-4	0	NA	3.6
2	SAND, fine to medium; some silt; trace fine gravel; brown. Moist.	SM		0		
4			4-7	0	NA	3
6	SAND, fine to medium; some silt; trace fine gravel; gray. Moist.	SM		0		
8	SAND, fine to coarse; some silt; abundant mica flakes; dark brown. Moist. WEATHERED BEDROCK.	SM	7-9.5	7	NA	2.5
	Gravel-sized pieces of weathered bedrock (schist)			15		
	Petroleum hydrocarbon odor			20		
10	Boring Complete at 9.5 feet (core refusal)			60		
				90		
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-46
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/25/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: T. Egan
 Comments: Boring backfilled upon completion.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	ASPHALT/crushed stone, dry.	-	0-4	0	NA	3.5
2	SAND, fine to coarse; some silt; trace fine gravel; brown. Moist.	SM		0		
4			4-6.5	0	NA	2.2
6	SAND, fine to coarse; some silt; some gravel; brown. Abundant mica flakes. Moist. WEATHERED BEDROCK. End of boring at 6.5'.	SM		0		
8						
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-47
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/25/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: T. Egan
 Comments: Boring backfilled upon completion

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to coarse; some silt; trace gravel; brown. Moist. FILL.	SM	0-4	0	NA	3.7
1				0		
2				0		
3				0		
4	SAND, fine to medium; some silt; trace gravel; brown. Moist. FILL.	SM	4-7	0	NA	3.0
5				0		
6				0		
7				0		
8	SAND, fine to medium; some silt; trace gravel; micaceous. Wet.	SM	7-10	0	NA	3.0
9				0		
10	SAND, medium; some gravel; gray brown. Moist. WEATHERED SCHIST.	SP	10-13	0	NA	3.0
11				0		
12	Medium sand and fine gravel (wx'd schist fragments); grayish brown. Wet.	SP-GP		0		
13				0		
14	Boring complete at 13 feet (core refusal)					
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: GB-48
 Permit No.: N/A
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/25/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: T. Egan
 Comments: Boring backfilled upon completion

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.7
2	SAND, fine to coarse; some silt; trace fine gravel; brown. FILL.			0		
4	CONCRETE		4-7	0	NA	2.9
6	SAND, fine to coarse; some silt; some rounded gravel (weathered schist and crushed diabase fragments); brown. Moist. FILL.			0		
8	Color changes to brown and gray.		7-10	0	NA	3.0
10	WEATHERED SCHIST BEDROCK. Boring complete at 10 feet (refusal)			0		
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S1-1	Date: 8/9/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Silt and clay; little sand; trace gravel (mostly weathered metamorphic rock fragments); brown.	ML	0-4	0	NA	35
2			4-8	0	NA	3
4	Some water at 4' (perched zone).					
6	Sand, fine to medium, and silt; little clay; trace to little gravel (weathered meta rock); brown. Moist.	SM				
8	SAND, medium; little to some silt; trace to little gravel (weathered meta rock); brown to light brown. Moist.	SM	8-12	0	NA	3
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S1-2	Date: 8/9/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Sand and silt; little clay; trace to little gravel (mostly weathered metamorphic rock fragments); brown to light brown.		0-4	0	NA	3
2						
4	Silt and clay; little to some sand; trace gravel; brown		4-7	0	NA	2.5
6	SAND, fine to medium; little to some silt; trace fine gravel (mostly weathered meta rock); brown to dark brown. Abundant mica flakes in sand fraction. Isolated wet zones at 7' and several other spots in 7'-11' sample interval.		7-11	0	NA	2.5
8						
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S1-3
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/9/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	3.5
2	Sand, fine, and silt; little to some clay; trace gravel; brown. Gravel fraction is rounded to subrounded, and unweathered.	SM				
4			4-7	0	NA	2.5
6						
8	SAND, medium; little to some silt; trace gravel (consisting of weathered meta rock). Wet at 7' and below.	SM	7-11	0	NA	2.5
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S1-4
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/9/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Silt and fine sand; little to some clay; trace gravel (weathered meta rock fragments); brown.	SM	0-4	0	NA	2
2						
4	CLAY; little to some silt; little sand; trace gravel; brown, grading downward to grayish brown. Wet, soft and sticky.	CL	4-7	0	NA	2
6						
8	SAND, medium; little to some silt; trace fine to medium gravel (weathered meta rock fragments); brown to grayish brown. Wet.	SM	7-10	0	NA	2.5
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S2-1	Date: 8/9/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and subbase.		0-4	0	NA	1
2	Silt and fine sand; trace medium to coarse sand; trace fine gravel; brown.	SM				
4	SAND, fine to medium; trace to some silt; trace fine to medium gravel; brown to reddish brown. Gravel is unweathered meta and sed rocks in upper part of section, weathered meta rocks in lower. Abundant mica flakes in lower part of section.	SW-SM	4-7	0	NA	3
6						
8	Several wet zones between 7' and 10'.		7-11	0	NA	3
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S2-2
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/9/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and subbase.		0-4	0	NA	NM
2	Silt and fine sand, to fine sand with little silt; trace fine gravel; brown.	SM				
4	SAND, fine to medium; trace to some clay; trace to little silt; trace fine gravel (weathered meta rock fragments); brown. Mica flakes in sand fraction.	SP-SM	4-7	0	NA	1.5
6	SAND, medium; brown; wet.	SP	7-10	0	NA	2.5
8	Sand, fine, and silt; trace fine gravel (weathered meta rock fragments); brown to rusty brown. Abundant mica flakes.	SM				
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S2-3	Date: 8/9/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe Macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND; trace gravel; brown.	SP	0-4	0	NA	3
2	Sand and silt; trace gravel; brown.	SM				
4	SAND, medium to coarse; trace to little silt; brown.	SW-SM	4-7	0	NA	3
6	Fine sand and silt, to fine sand with little silt; trace gravel; brown.	SM				
8	SAND, fine; some silt; trace gravel (weathered meta rock fragments); brown.	SM	7-9	0	NA	2
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S2-4

Date: 8/10/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Martell

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium, some silt, brown (Topsoil).	SM	0-4	1	NA	1
2						
4	SAND, fine; little gravel; brown.	SP	4-7	1.3	NA	3
6						
8			7-10	1.2	NA	3
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-1	Date: 8/10/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium; some gravel; brown.	SW	0-4	1	NA	4
2						
4	Clay and silt; little gravel; dark brown.	CL	4-7	1.9	NA	1.5
6	Wet at 5.5'					
8	Clay and silt; little fine sand; trace gravel; dark brown.	CL	7-10	0.5	NA	3.5
10	SAND, fine to coarse; trace clay; with weathered schist fragments.	SP	10-14	1.1	NA	4
12						
14	End of boring.					
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-2	Date: 08/10/2000
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: S. Green
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Gravel subbase, FILL.		0-4	0	NA	4
2	Fine sand and gravel; brown.	SP				
4	SAND, fine; little gravel; abundant mica; orange brown.	SP	4-7	0.9	NA	3
6						
8	SAND, fine to coarse; some silt and clay; little gravel; orange brown.	SM	7-11	0.8	NA	4
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-3
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/10/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Martell
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and subbase		0-4	NM	NA	4
	SAND, coarse; some gravel; light gray.	SP				
2	SAND, medium to coarse; little gravel; brown.	SW				
4	SAND, fine; little gravel; light brown.	SP	4-7	NM	NA	3
6	SAND, fine; light brown.	SP				
8	SAND, fine; dark brown; with mica.	SP	7-11	NM	NA	1
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured/PID malfunction.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-4
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/15/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Martell
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and subbase.		0-4	NM	NA	4
2	SAND, fine; little gravel; light brown, to gray at 4'.	SP				
4	Silt and clay; trace to little sand, trace fine gravel; gray with root fragments.	ML/CL	4-7	NM	NA	2
8	SAND, fine; trace silt; dark brown; with mica flakes.	SP	7-11	NM	NA	NM
10	Wet at 10'.					
12			11-14	NM	NA	NM
14	End of boring.					
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured/PID not working.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-5

Date: 9/1/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: M. Quintella

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt and subbase (crushed stone)		0-4	10	NA	3
2	SAND, medium to fine; some fine gravel; brown.	SW		176		
4	SAND, medium to fine; trace gravel; gray.	SW	4-7	50	NA	2.5
6	CLAY; some silt; gray.	CL		2		
8	SAND, medium to fine; trace silt and clay; trace gravel; brown.	SW	7-11	10	NA	NM
12	SAND, medium to fine; some gravel (metamorphic rock fragments); gray.	SW	11-15	0	NA	3
16	End of boring.					
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-6
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/1/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	3
2	SAND, medium to fine; trace gravel (metamorphic rocks); gray.	SW		20		
				5		
4	SAND, medium to fine; brown.	SW	4-7	0	NA	3
6						
8	SAND, medium to fine; some clay and silt; trace gravel; brown.	SW	7-11	0	NA	NM
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-8
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/27/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: S. Green
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3.5
2	SAND, fine; trace silt; trace gravel.	SP		0		
4	SAND, fine; some gravel.	SP	4-7	0	NA	2
6						
8	SAND, fine; little silt.	SP	7-10	0	NA	3
10	Fine sand and silt.	SM-ML				
12						
	Sand and gravel, with mica flakes and wx'd meta rocks.	SW-GW				
	Silt and fine sand; wet.	ML-SM	13-15	0	NA	1.5
14	Fine sand and gravel.	SW-GW				
16	End of boring.					
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-9

Date: 9/27/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
2	SAND, fine; trace to some silt; trace fine to medium angular gravel; brown.	SP-SM				
4	Color becomes greenish brown.		4-7	0	NA	2.5
6						
8	Color becomes greenish brown with brown mottles.		7-10	0	NA	1
10	Clay and silt; trace sand; trace gravel; occ. wood and plant fragments; brown.	CL-ML	10-13	0	NA	3
12	SAND, fine to medium; trace to some silt; trace fine to medium angular gravel (wx'd meta rock fragments); trace coarse sand; brown to orange brown to reddish brown.	SP-SM				
14	Dry.		13-16	0	NA	3
16	End of boring.					
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-10
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/27/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; some silt; trace gravel; brown.	SM	0-4	0	NA	3.5
2	SAND, medium; trace coarse sand; reddish brown.	SP				
	SAND, fine; little silt; greenish brown.	SP				
4			4-7	0	NA	1.5
6	Clay and silt; trace sand; brown, grading downward to greenish brown.	CL-ML				
			7-10	0	NA	2.5
8						
10	SAND, fine; little silt; trace coarse sand; trace fine to medium gravel (wx'd meta rock fragments); brown, grading downward to orange brown. WEATHERED BEDROCK.	SP	10-13	0	NA	2.5
12						
14			13-15	0	NA	2
	SAND, fine to coarse; trace gravel (much wx'd meta rock fragments); black. WEATHERED BEDROCK.					
16	End of boring at 15'.					
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-11
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/28/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; little to some silt; trace coarse sand; trace fine to medium gravel; black in upper 6', to orange brown.	SW-SM	0-4	0	NA	3.5
2						
4	SILT; little fine sand; trace fine gravel; mottled greenish brown to orange brown to brown.	ML	4-7	0	NA	3
6	SAND, fine to medium; trace to little silt; trace coarse sand; trace fine gravel (wx'd meta rock fragments); orange brown. Several 1" to 2" layers of silt and fine sand. WEATHERED BEDROCK.	SW-SM	7-10	0	NA	3
8						
10	Becomes very dense. Wet at 10.5'		10-13	0	NA	0.5
12						
14	End of boring.					
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-12
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/28/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
	Silt and fine sand; trace gravel (with asphalt fragments); brown.	ML				
2	SAND, medium, very well sorted; trace fine gravel; light orange brown.	SP				
	Silt and clay; dark brown to black; moist.	ML-CL				
4	No samples collected below 4'					
6	Temporary well point set at 12'.					
8						
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-13

Date: 9/28/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	2
	SAND, medium; trace fine gravel; light orange brown. 2" layer of angular medium limestone gravel at 1'.	SP				
2	Silt and fine sand; trace coarse sand; trace gravel; brown.	SP-ML				
4	SAND, fine to medium; some silt; trace gravel; brownish gray.	SW	4-7	0	NA	3
6	Silt and clay; trace to little sand; trace fine to medium gravel; gray. Dark brown layer, with root fragments, at 6'-6.5'. Wet at 6'.	ML-CL				
8	No samples collected below 7'. Set temporary well point at 13'.					
10						
12						
14	End of boring.					
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-14

Date: 9/28/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3
2	SAND, fine; little to some silt; trace fine to medium gravel; brown.	SM-SW				
4			4-7	0	NA	2
6	Color grades into brownish gray. Very moist.					
8	No samples collected below 7'. Completed at 13' as a temporary well point.					
10						
12						
14	End of boring.					
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 2

Boring/Well No.: S3-16
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/18/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	3.5
2	SAND, medium; little silt; little angular limestone gravel; gray. Occasional asphalt fragments. FILL.					
4	SAND, fine; trace silt; trace fine gravel (meta rocks); orange brown. Wood fragment at 6'. Slight solvent odor.	SP	4-7		NA	3
6				360		
8			7-10		NA	3
10	SAND, fine; trace to some silt (silt increases with depth); trace fine to medium gravel; brown.	SP-SM	10-13	50	NA	2.5
12				20		
14				11		
16			13-17		NA	3.5
18	Clay and silt; trace sand; maroon. Occ. plant debris.	CL-ML	17-21	3	NA	2

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 2 of 2

Boring/ Well no.: S3-16
 Client: Westchester County
 Site: Westchester County Airport

Project:
 Date: 10/18/00

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
18	Weathered metamorphic rock fragments.					
20						
22	End of boring (macrocore refusal).					
24						
26						
28						
30						
32						
34						
36						
38						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-16-1

Date: 10/30/2000

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: S. Green

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Concrete and crushed stone.	GW	0-4	0	NA	3.5
2	Gravel and medium to coarse sand.	GW-SW				
4	SAND, fine; brown to orange. Occ. concrete fragments. Strong solvent odor.	SP	4-7	145	NA	2.5
6			7-9	180	NA	1
8	Fine sand and silt; trace gravel; black.	SM-ML	9-10	75	NA	1
10	Silt and clay.	ML-CL	10-11	0	NA	1
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-17
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/18/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as a temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	2.5
2	SAND, fine; trace to little silt; trace fine to medium gravel; orange-brown.	SP				
4	SAND, fine; trace to little silt; trace fine to medium gravel; gray.	SP	4-7	0	NA	2
6	SAND, fine; trace to little silt; trace fine to medium gravel; orange-brown, grading downward to gray.	SP				
8			7-10	0	NA	3
10						
12	SAND, fine; little to some silt; trace coarse to medium sand; trace fine to medium gravel (meta rocks); brown, grading downward to maroon.	SP-SM	10-13	0	NA	3
14	Fine sand, silt and clay; trace coarse to medium sand; maroon-brown. Wet and soft.	SP-ML-CL	13-16	0	NA	3
16	Clay and silt; trace sand; maroon-brown. Roots and plant debris common.	CL-ML	16-20	0	NA	3.5
18	Sand, fine; little silt; trace medium to coarse sand; trace gravel (wx'd meta rocks); gray, grading downward to (continued next page)	SP				

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 2 of 2

Boring/ Well no.: S3-17
 Client: Westchester County
 Site: Westchester County Airport

Project:
 Date: 10/18/00

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
18	rusty orange. Very moist to wet. Dense. Mica flakes common.					
20						
22	End of boring.					
24						
26						
28						
30						
32						
34						
36						
38						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-18
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/18/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	4
2	SAND, fine; trace to little silt; trace angular gravel; orange-brown.	SP				
4			4-8	0	NA	4
6	Color changes to brown.					
8	SAND, fine; trace-some silt; trace gravel (wx'd meta rocks); brownish gray.	SP-SM	8-12	0	NA	3
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-19

Date: 10/18/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	3
2	SAND, fine; trace silt; trace fine to medium gravel; orange-brown.	SP				
4			4-8	0	NA	3.5
6						
8	SAND, fine; little to some silt; trace fine gravel; brown to maroon-brown to gray to orange brown. Very moist. Root and plant fragments common at 7' to 7.5'.	SP-SM	8-10	0	NA	2
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-20	Date: 10/19/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Silt and fine sand; dark brown.	ML-SM	0-4	0	NA	4
2	SAND, fine; little silt; trace coarse sand; trace fine to medium gravel (angular meta. rocks); brown.	SM	4-8	0	NA	4
4						
6						
8	End of boring.		8-11	0	NA	3
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-21

Date: 10/19/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Silt and fine sand; dark brown.	ML-SM	0-4	0	NA	4
2	SAND, fine; trace to little silt; trace coarse sand; trace gravel; brown.	SP	4-8	0	NA	4
4						
6	Very moist.		8-11	0	NA	2
8						
10						
12	SAND, fine; little to some clay and silt; trace coarse sand; trace fine gravel; gray, with brown lenses. Some plant and wood fragments.	SM-SC	13-16	NM	NA	0
14	Fine sand and silt; trace coarse sand; trace fine gravel; gray. Wet and soft.	SM-ML	16-21	0	NA	1.2
16						
18	SAND, medium; trace coarse gravel; reddish brown.	SP				
20						
	End of boring.					

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-22
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/19/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	3.5
2	SAND, medium to fine; little medium angular gravel; trace to little silt; grayish brown.	SW				
4	SAND, fine; trace silt; trace fine rounded gravel; light orange-brown.	SP	4-8	0	NA	4
6	Color grades to light brown.					
8	SAND, fine; trace to little silt; trace fine to medium gravel (wx'd meta rocks); brown to dark brown.	SP	8-11	NM	NA	3
10			11-15	0	NA	4
12	SAND, fine; some silt; trace fine gravel; dark brown. Root fragments common.	SM				
14	SAND, fine; little to some silt; trace coarse sand; trace fine to medium gravel (wx'd meta rocks); grayish brown. Very moist.	SP-SM	15-19	0	NA	4
16						
18	SAND, fine; little to some silt; trace coarse sand; trace fine to medium gravel (wx'd meta rocks); reddish brown. (continued on next page)	SP-SM				

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 2 of 2

Boring/ Well no.: S3-22
 Client: Westchester County
 Site: Westchester County Airport

Project: 10/19/00
 Date: 10/19/00

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
18	Dense, Mica flakes common. WEATHERED BEDROCK.					
19	Lense of wet coarse sand at 19'.		19-22	0	NA	3
20						
22	End of boring (macrocore refusal).					
24						
26						
28						
30						
32						
34						
36						
38						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-23
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/19/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	0	NA	3.5
2	SAND, fine; trace silt; trace coarse sand; trace fine to medium gravel; brown.	SP				
4	Asphalt fragments at 5'.		4-8	0	NA	NM
8	No recovery.		8-12	NM	NA	0
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-24
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/19/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	4
2	SAND, fine; trace to little silt; trace fine gravel; brown.	SP-SM		1		
4	SAND, fine; trace silt; trace fine to medium gravel; orangish brown. Slight solvent odor	SP	4-7	2	NA	2.5
6						
8	SAND, fine; little to some silt; trace fine to medium rounded gravel (meta rx); brown to dark brown.	SM	7-11	0	NA	3.5
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-25
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/19/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Viani
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
2	SAND, fine; trace coarse sand; trace fine to medium gravel; orangish brown, with gray and brown zones in upper few feet.	SW				
4			4-7	0	NA	2
6	End of boring.					
8						
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-26
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 10/20/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Martell
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/concrete.		0-4	NM	NA	NM
2						
4	SAND, fine; some to little gravel; dark brown. Petroleum hydrocarbon odor.	SP	4-7	NM	NA	NM
6						
8	SAND, medium; orange brown; slight Petroleum Hydrocarbon odor.	SP	7-11	NM	NA	NM
10	SAND, fine; little clay; dark brown.	SP-SC				
11	Wet at 11'.					
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured/PID not working.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-27

Date: 10/20/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Martell

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine; some silt; dark brown.	SM	0-4	NM	NA	NM
2	SAND, fine; dark brown; abundant mica.	SP				
4	SAND, coarse; some gravel; dark gray.	SP	4-7	NM	NA	NM
6	SAND, coarse; dark gray.	SP	7-11	NM	NA	NM
8						
10						
12			11-15	NM	NA	NM
14						
16	End of boring.					
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured/PID not working.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-28

Date: 10/20/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Martell

Project:

Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	NM	NA	NM
2	SAND, fine; little gravel; orange-brown.	SP				
4			4-7	NM	NA	NM
6						
8	Very dense- lost macrocore barrel in borehole. WEATHERED BEDROCK.		7-10	NA	NA	0
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured/PID not working.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-30

Date: 10/23/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Viani

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3.5
2	SAND, fine; trace silt; trace fine gravel; orange brown.	SP		0		
4			4-7	0	NA	3
6	SAND, fine; trace silt; trace fine to medium gravel; dark grayish brown.	SP				
8			7-10	0	NA	2.5
10	Color becomes dark brown.		10-13	0	NA	NM
12						
14	Fine sand and silt; trace fine gravel; trace to little medium to coarse sand; brown. Wet.	SM	13-16	0	NA	2.5
16	Clay and silt; trace sand; brown. Wet and sticky.	CL-ML	16-19	0	NA	3
18	SAND, fine; little silt; trace coarse sand; trace fine to medium gravel (wx'd meta rocks); grayish brown. Abundant mica flakes; dense. WEATHERED BEDROCK.	SW-SM				
19	End of boring.					

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S3-31	Date: 10/24/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments: Completed as a temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Silt and fine sand; brown; with roots.	SM	0-4	0	NA	4
2	SAND, fine; trace silt; trace fine to medium gravel; orange brown, with color changing downward to yellowish brown, brown, then gray.	SP	4-7	0	NA	3
4			7-10	0	NA	3
6	SAND, fine to medium; trace to little silt; trace fine to medium gravel; gray.	SW-SM	10-13	0	NA	3
8			13-13.5	NM	NA	.5
10	SAND, fine; little to some silt; trace fine to medium gravel (wx'd meta rocks); occ. thin layers of coarse sand; brown to brownish gray, with occ. reddish brown lenses. Dense; abundant mica flakes; very moist. WEATHERED BEDROCK.	SW-SM				
12	End of boring (refusal).					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S4-1
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/15/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, fine to medium; orange to brown.	SW	0-4	0	NA	3.5
2	SAND, fine; some silt; trace gravel; brown.	SM		0		
	SAND, fine; some silt; little clay; brown.	SM		0		
4	Fine sand and silt; little clay; trace gravel; brown.	SM	4-7	0	NA	2
6	Clay and silt; some fine sand; brown.	CL	7-10	0	NA	2.5
8	Wet at 8'.					
	SAND, coarse; brown to gray.	SP				
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S4-2	Date: 08/15/2000
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe Macrocore
Site: Westchester County Airport	Observer: C. Martell
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	4
2	SAND, fine to medium; orange; grading downward to SAND, fine; some silt; trace mica flakes.	SW-SM				
4	SAND, medium to fine; gray.	SW	4-7	0	NA	2
6	SILT; some clay; gray; some rock fragments.	ML	7-11	0	NA	NM
8						
10	SAND, coarse.	SP				
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S4-3
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/15/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Soil boring only

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; brown to orange.	SW	0-4	0	NA	4
2						
4	SAND, medium to fine; gray.	SW	4-7	0	NA	2.5
6	SAND, medium to fine; brown to orange.	SW				
	SAND, fine; trace silt; gray.	SP				
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S4-4
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/15/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND medium to fine; FILL.		0-4	0	NA	4
2	SAND, medium to fine; trace gravel; gray.	SW				
4	SILT; some fine sand; gray.	ML	4-7	0	NA	2
6						
8	Clay and silt; little fine sand; gray. Wet at 8'.	CL/ML	7-11	0	NA	0.5
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S4-5

Date: 8/15/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: M. Quintella

Project:

Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; gray.	SW	0-4	0	NA	2
	SAND, medium to fine; brown to orange.	SW				
2	SAND, medium; trace gravel; trace mica flakes; brown.	SP				
4	SAND, fine; trace silt; trace gravel; gray.	SP	4-7	0	NA	3
6			7-11	0	NA	3
8	Fine sand and silt; trace clay; trace medium gravel; gray.	SM-ML				
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: S4-6

Date: 8/15/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: M. Quintella

Project:

Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	0	NA	4
2	SAND, fine to medium; trace medium gravel; brown to gray.	SW				
4			4-7	0	NA	3
6						
8	SAND, fine; gray. Wet at 8'.	SP	7-11	0	NA	3
	Clay and silt; gray.	CL-ML				
10	SAND, coarse.	SP				
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-1
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/31/2000
 Driller: First Environment
 Drilling method: Geoprobe Macrocore
 Observer: M. Quintella
 Comments: Completed as a temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; trace gravel; brown. Occasional mica flakes.	SW	0-4	0	NA	NM
2						
4	SAND, medium to fine; trace gravel; gray. Petroleum staining.	SW	4-8	0	NA	3
6						
8	SAND, medium to fine; trace gravel; trace clay and silt, to some clay and silt; gray. Petroleum staining.	SW	8-12	370	NA	2
10				370		
10	Clay and silt; gray.	ML		270		
12	End of boring. Floating free product observed in temporary well point.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-2
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/22/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Fine gravel and medium sand; brown.	GW	0-4	12	NA	3.5
2	SAND, medium to fine; brown.	SW		91		
4	SAND, medium to fine, gray; trace fine gravel.	SW	4-8	20	NA	3.5
6	SAND, coarse, brown. Wet at 5.5'.	SP		5		
8	End of boring.			1		
10				0		
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-3
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/1/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; trace gravel; gray.	SW	0-4	0	NA	3.5
2						
4	SAND, medium to fine; trace gravel (metamorphic rock fragments); brown.	SW	4-7	0	NA	1.5
6	SAND, medium to fine; some gravel (metamorphic rock fragments); gray.	SW	7-11	0	NA	1.5
8						
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-4	Date: 8/22/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: M. Quintella
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4		NA	3
2	SAND, fine to medium; trace gravel; brown.	SW		59 20 55 20 15		
4	SAND, fine to medium; gray.	SW	4-8	0	NA	4
6	SILT, gray.	ML				
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.:	T-7	Date:	08/22/2000
Permit No.:		Driller:	First Environment
Client:	Westchester County	Drilling method:	Geoprobe macrocore
Site:	Westchester County Airport	Observer:	M. Quintella
Project:		Comments:	Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium; some fine gravel; gray.	SP	0-4	0	NA	NM
2			4-8	0	NA	NM
4	Clay and silt; some medium to fine sand; gray.	CL-ML	8-12	0	NA	NM
6			Wet at 7.5'.	End of boring.		
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-8	Date: 8/22/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: M. Quintella
Project:	Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; some gravel; brown.	SW	0-4	0	NA	4
2			4	0	NA	4
4	SAND, medium to fine.	SW	4-8	0	NA	4
6	Clay and silt; gray.	CL-ML	8-12	0	NA	4
8	SAND, fine to medium; brown to orange.	SW				
10	SAND, fine to medium; orange brown.	SW	End of boring.			
12	End of boring.					
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-9
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/31/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed with temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; trace gravel; brown.	SW	0-4	1	NA	4
2						
4	SAND, medium to fine; some coarse sand; trace gravel; brown.	SW	4-7	0	NA	3
6						
8	SAND, medium to fine; trace gravel; trace coarse sand; gray. Wet.	SW	7-11	0	NA	4
10						
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-10
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/23/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed with temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	GRAVEL, fine; some medium to fine sand; brown.	GP	0-4	6	NA	3
2	SAND, fine to medium; trace fine gravel; brown.	SP		2		
4			4-8	0	NA	2.5
6	SILT, gray.	ML		0		
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-11
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 8/31/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed with temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4		NA	4
2	SAND, medium to fine; brown to orange; trace gravel.	SW		10		
4			4-8		NA	4
6	SAND, medium to fine; gray; trace gravel.	SW		74		
8	SAND, fine; trace gravel; gray. Wet.	SP	8-10		NA	1.5
10	End of boring.			99		
12						
14						
16						
18				84		

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-12
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/31/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed with temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; trace gravel; brown.	SW	0-4		NA	3
2			6			
4	Color change to brownish orange.		4-8		NA	4
6				5		
	Color change to gray.			36		
8	SAND, fine; gray.	SP	8-12		NA	3
10			24			
12			48			
14	End of boring.					
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-13
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/5/00
 Driller: First Environment
 Drilling method: Geoprobe Macrocore
 Observer: C. Viani
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3
2	SAND, fine; little to some silt; trace to little medium sand; trace to little gravel; brown, grading downward to gray. Wood fragment at 3'.	SM				
4			4-8	0	NA	3.5
6	SAND, medium to fine; little to some silt; trace gravel (weathered meta rock fragments); variable color, from brown to white to reddish brown to pink. Abundant mica flakes, relict schistose texture. WEATHERED BEDROCK.	SM				
8	Wet zone at 8.5'.		8-12	0	NA	3.5
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-14

Date: 9/6/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Edwards

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	4
	SAND, fine; little gravel; brown.	SP				
2	Weathered bedrock.					
4	End of boring.					
6						
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-15
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 09/15/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt.		0-4	0	NA	NM
	Gravel and fine to medium sand.	GP-SW				
2	SAND, fine; some medium sand; little silt; trace gravel.	SW				
4	SAND, fine to medium; trace silt; trace gravel.	SW	4-6		NA	NM
	SAND, fine to medium; weathered bedrock.					
6	End of boring (macrocore refusal).					
8						
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-16

Permit No.:

Client: Westchester County

Site: Westchester County Airport

Project:

Date: #####

Driller: First Environment

Drilling method: Geoprobe macrocore

Observer: C. Edwards

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3
	SAND, fine; trace silt.	SP		2		
2				2		
	SAND, fine to medium; trace silt; trace gravel.	SW				
4			4-5.5	2	NA	1.5
	WEATHERED BEDROCK. Black petroleum staining 5.2' to 5.5'.			180		
6	End of boring at 5.5'.					
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-17

Date: 9/6/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Edwards

Project:

Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
	SAND, fine; some silt.	SM				
	SAND, fine; trace gravel.	SP				
2	SAND, fine; trace silt; trace gravel.	SP				
4	SAND, fine; some clay; trace gravel.	SC	4-6	0	NA	2
	Weathered bedrock.					
6	End of boring.					
8						
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-18
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 09/01/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0			0-4	12	NA	2.5
2				24		
				30		
4	SAND, medium to fine; some gravel (metamorphic rock fragments); brown. Occasional mica flakes.	SW	4-8	0	NA	2
6						
8			8-12	0	NA	3
10						
	Wet at 11'.					
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-19	Date: 09/06/2000
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Edwards
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	2
2	SAND, fine; some silt; trace gravel. FILL			1		
4			4-7	1	NA	2
6	Fine sand and silt; trace gravel. Wood fragment at 5'. FILL					
8			7-10	1	NA	3
10	Wet at 9'.					
12	SAND, medium to coarse; little gravel. Asphalt fragment at 11.5'. FILL		10-14	1	NA	3
14	Weathered bedrock.					
16	End of boring.					
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-20
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 08/31/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: M. Quintella
 Comments: Completed as temporary well point.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	SAND, medium to fine; some fine gravel (metamorphic rocks); brown. Mica flakes common.	SW	0-4	2	NA	3
2			10			
4	SAND, medium to fine; some gravel (metamorphic rock fragments); gray; wet.	SW	4-8	24	NA	2.5
6			77			
8	SAND, fine; gray.	SP	8-12	1	NA	3
10	CLAY; some silt; gray.	CL		1		
12	End of boring.					
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-21
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 09/14/2000
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments: Soi boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	NM	NA	NM
2	SAND, fine; trace silt; trace gravel. FILL					
4	SAND, fine; trace clay; with plant debris. FILL					
4	CLAY; some fine sand.	CL	4-7	NM	NA	NM
6	Fine sand and clay; trace gravel.	SP-CL				
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-22

Date: 9/14/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Edwards

Project:

Comments: Soil boring.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase.		0-4	NM	NA	NM
2	Fine sand and silt; trace to some gravel.	SM-ML				
4			4-7	NM	NA	NM
6	Fine sand and clay; trace gravel.	SP-CL				
8			7-10	NM	NA	NM
10	PEAT.	OL/OH				
	SAND, fine.	SP				
12	Fine sand, clay and gravel.	SP-GP-CL	10-14	NM	NA	NM
14	SAND, fine to medium.	SW				
16	End of boring (Bedrock).					
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured/PID not working.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-23
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/14/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase. Oily residue in subbase.		0-4	NA	NA	NM
2	Fine to medium sand and silt; trace gravel.	SW-ML	4-7	NA	NA	NM
4						
6						
8	Fine to medium sand and clay.	SW-CL	7-10	NA	NA	NM
	Medium sand and silt. Wet.	SP-ML				
10	End of boring.					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-24	Date: 9/5/00
Permit No.:	Driller: First Environment
Client: Westchester County	Drilling method: Geoprobe macrocore
Site: Westchester County Airport	Observer: C. Viani
Project:	Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3
2	SAND, fine to medium; little silt; trace gravel; brown to reddish brown.	SW-SM		0		
4	SAND, fine; trace to little silt; trace gravel; dark brown. Abundant mica flakes. Dry.	SW-SM	4-7	0	NA	1.5
6						
8	Refusal at 7' (bedrock?).					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-25	Date: 9/5/00	
Permit No.:	Driller: First Environment	
Client: Westchester County	Drilling method: Geoprobe macrocore	
Site: Westchester County Airport	Observer: C. Viani	
Project:	Comments:	

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	2.5
2	Silt and fine sand; trace gravel (includes weathered meta rock fragments); reddish brown to brown to gray.	SM		0		
4	SAND, fine to medium; little to some silt; trace gravel (weathered meta rock fragments); variable color, reddish brown to gray to white. Very dense. WEATHERED BEDROCK.	SM	4-8	0	NA	3.5
6						
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-26	Date: 9/5/00	
Permit No.:	Driller: First Environment	
Client: Westchester County	Drilling method: Geoprobe macrocore	
Site: Westchester County Airport	Observer: C. Viani	
Project:	Comments:	

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4		NA	3.5
2	SAND, fine to medium; little to some silt; trace gravel (wx'd meta rock fragments); reddish brown to brown. Abundant mica flakes. Dense. WEATHERED BEDROCK.	SM		0		
4			4-7	0	NA	2.5
8	Refusal at 7' (bedrock).					
10						
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-27
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/6/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone.		0-4	0	NA	3.5
2	SAND, fine to medium; little gravel; trace silt.	SW				
4	SAND, fine; little silt; trace gravel.	SM	4-7	0	NA	3
6	SAND, coarse. WEATHERED BEDROCK.	SP				
8	End of boring.					
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-28
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/6/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments:

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/crushed stone		0-4	0	NA	4
	SAND, fine to medium; little gravel.	SW				
2	CLAY; dense.	CL				
	SAND, fine to medium; trace silt; trace gravel.	SW	4-6	0	NA	2
4	SAND, medium.	SP				
	Weathered bedrock.					
6	End of boring.					
8						
10						
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-29
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/22/00
 Driller: Enviroprobe
 Drilling method: Geoprobe macrocore
 Observer: S. Green
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Fine to medium sand and gravel; little silt; brown.	SW	0-4	0	NA	4
2						
4	SAND, fine to medium; light brown; micaceous.	SW	4-8	0	NA	4
6						
8	SAND, medium; little gravel.	SP	8-12	0	NA	4
10						
	WEATHERED BEDROCK.					
	End of boring (macrocore refusal).					
12						
14						
16						
18						

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-30
 Permit No.:
 Client: Westchester County
 Site: Westchester County Airport
 Project:

Date: 9/15/00
 Driller: First Environment
 Drilling method: Geoprobe macrocore
 Observer: C. Edwards
 Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	Asphalt/subbase		0-4	0	NA	NM
2	SAND, fine, trace silt; trace gravel.	SP	4-7	0	NA	NM
6			7-10	0	NA	NM
8			10-13	0	NA	NM
12			13-17	0	NA	NM
14						
16	WEATHERED ROCK.					
18	End of boring.					

trace = < 10%
 little = 10% - 20%

some = 20% - 35%
 and = > 35%

NM = Not measured.
 NA = Not applicable.

FIRST ENVIRONMENT BORING LOG

Sheet 1 of 1

Boring/Well No.: T-31

Date: 9/15/00

Permit No.:

Driller: First Environment

Client: Westchester County

Drilling method: Geoprobe macrocore

Site: Westchester County Airport

Observer: C. Edwards

Project:

Comments: Soil boring only.

Depth (ft)	Description	USCS Classification	Sample Interval (ft)	PID reading (ppm)	Blows on Sampler	Recovery (ft)
0	CONCRETE.		0-4	0	NA	NM
	SAND, medium; trace silt.	SP				
	SAND, fine; trace silt; trace gravel.	SP				
2	SAND, fine to medium; trace silt; trace gravel.	SW				
4	SAND, fine; trace silt.	SP	4-7	0	NA	NM
6						
8						
10	SAND, fine to coarse. WEATHERED BEDROCK?	SW	7-11	0	NA	NM
	End of boring.					
12						
14						
16						
18						

trace = < 10%
little = 10% - 20%

some = 20% - 35%
and = > 35%

NM = Not measured.
NA = Not applicable.

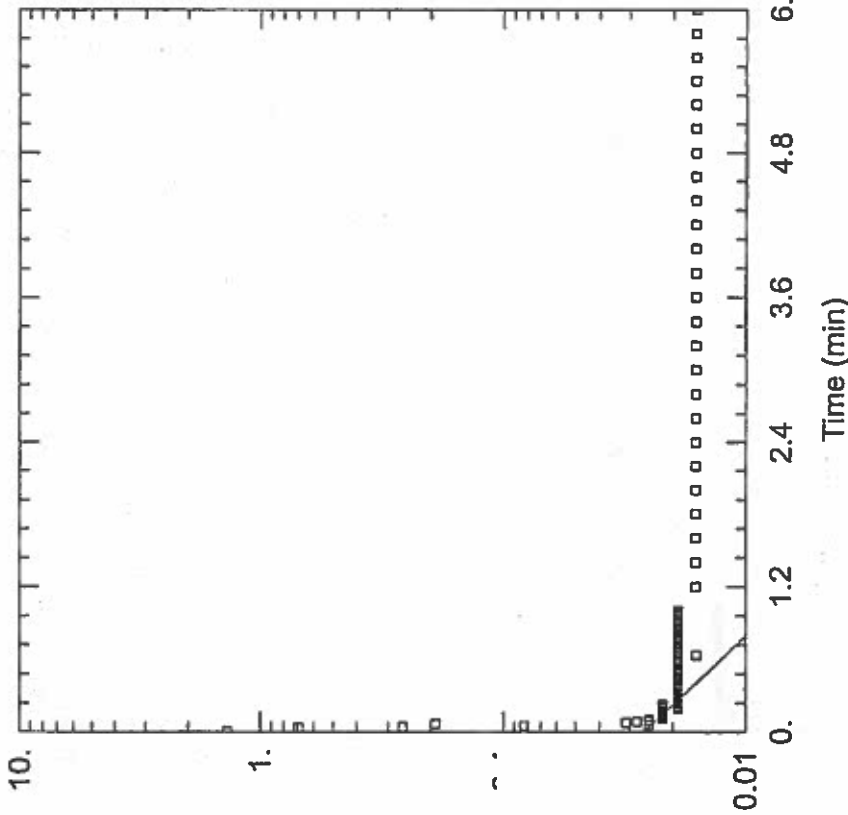
DEP MW-1 RISING HEAD SLUG TEST

Data Set: G:\1...IDPMMW1ris.agt

Date: 01/24/01

Time: 15:17:13

Displacement (ft)



PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTC001
Test Location: Harrison, New York
Test Well: DEP MW-1
Test Date: 10/06/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0007791 cm/sec
y0 = 0.02615 ft

AQUIFER DATA

Saturated Thickness: 17.66 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DEP MW-1)

Initial Displacement: 1.369 ft
Wellbore Radius: 0.166 ft
Screen Length: 14.78 ft
Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
Well Skin Radius: 0.166 ft
Total Well Penetration Depth: 8.71 ft

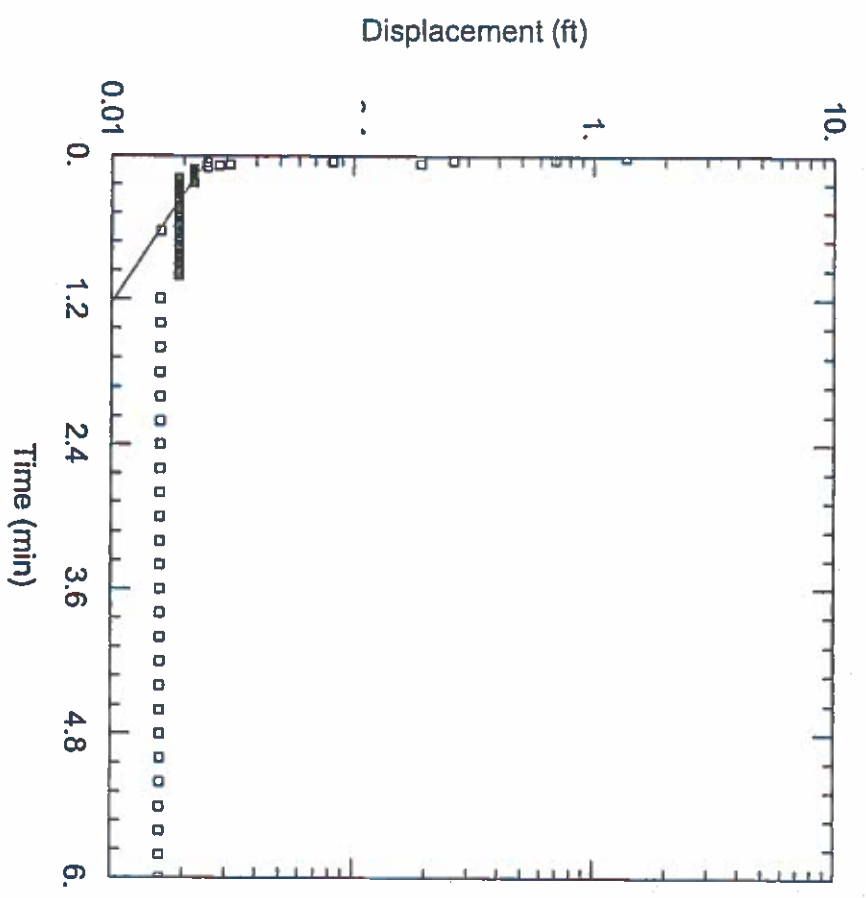
DEP MW-1 FALLING HEAD SLUG TEST
 Data Set: G:\...IDEP\MW1fal.aqt Time: 15:26:02
 Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
 Client: Westchester County Airport
 Project: WESTC001
 Test Location: Harrison, New York
 Test Well: DEP MW-1
 Test Date: 10/06/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 0.0004876 cm/sec
 Y0 = 0.0254 ft



AQUIFER DATA

Saturated Thickness: 13.71 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DEP MW-1)

Initial Displacement: 1.369 ft
 Wellbore Radius: 0.166 ft
 Screen Length: 14.78 ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.166 ft
 Total Well Penetration Depth: 8.71 ft

DEP MW-3 RISING HEAD SLUG TEST

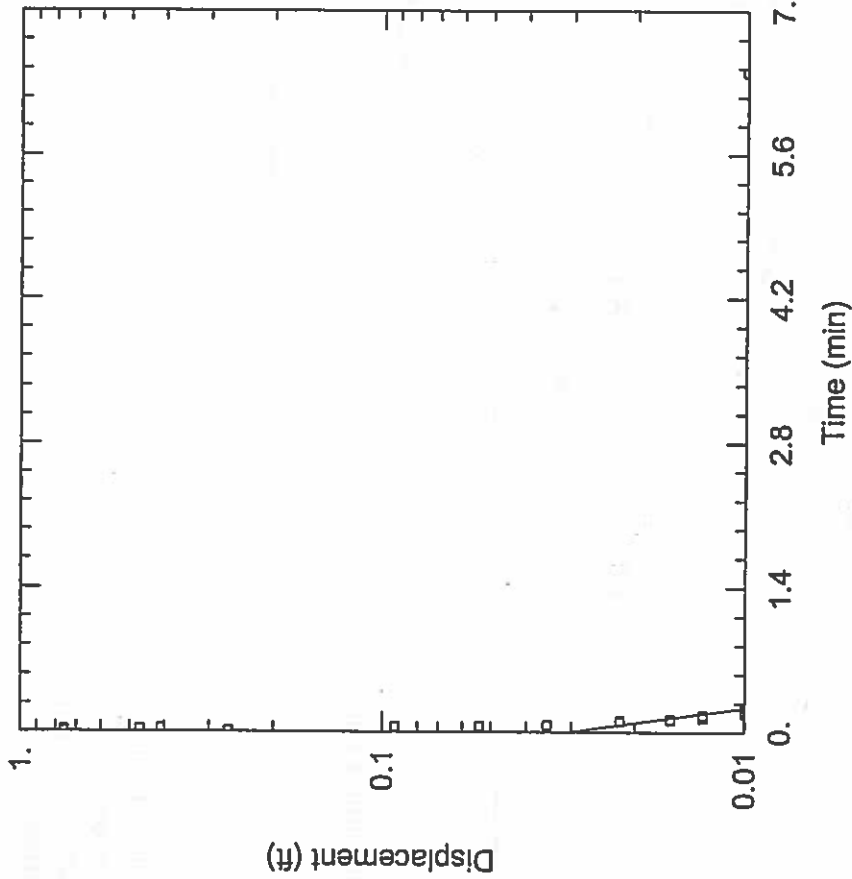
Data Set: G:\...\IDPMMW3ris.aqt Time: 13:18:18
Date: 02/23/01

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTC001
Test Location: Harrison, New York
Test Well: DEP MW-3
Test Date: 10/06/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001755 cm/sec
y0 = 0.03047 ft



AQUIFER DATA

Saturated Thickness: 19.78 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DEP MW-3)

Initial Displacement: 0.757 ft
Wellbore Radius: 0.177 ft
Screen Length: 14.78 ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.177 ft
Total Well Penetration Depth: 14.78 ft

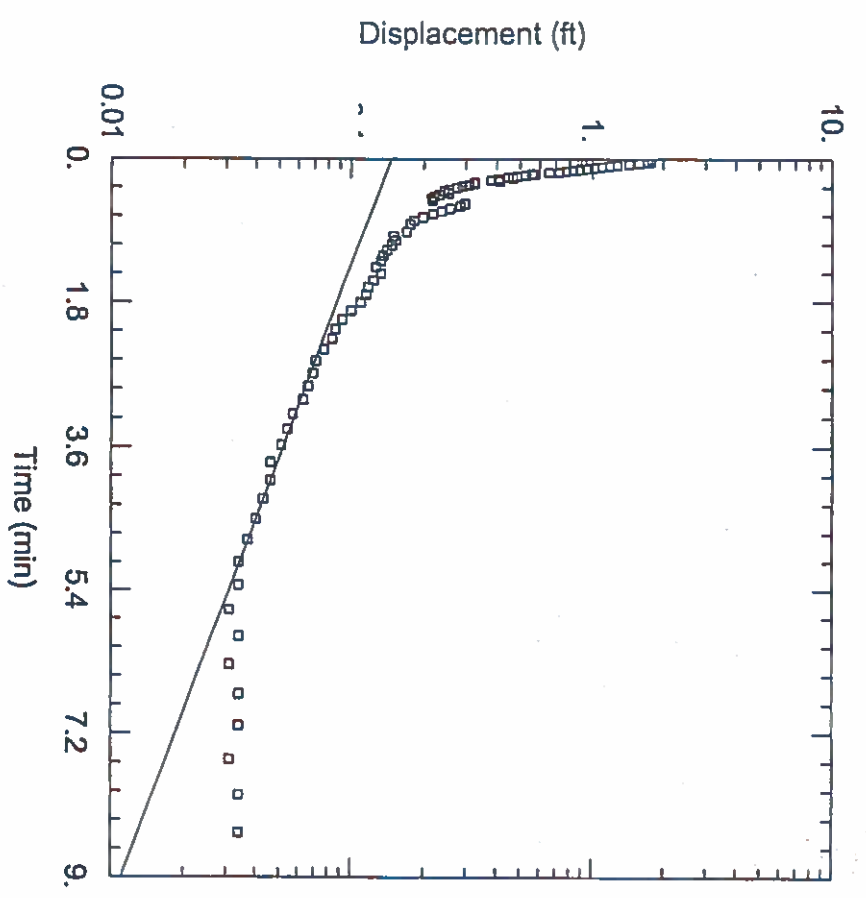
DEP MW-3 FALLING HEAD SLUG TEST
 Data Set: G:\1\DEPPMW3fal.aqt Time: 14:59:28
 Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
 Client: WESTCHESTER COUNTY AIRPORT
 Project: WESTC001
 Test Location: HARRISON, NEW YORK
 Test Well: DEP MW-3
 Test Date: 10/05/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 0.0001087 cm/sec
 Y0 = 0.1456 ft



AQUIFER DATA

Saturated Thickness: 20.38 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (DEP MW-3)

Initial Displacement: 1.765 ft
 Wellbore Radius: 0.166 ft
 Screen Length: 14.38 ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.166 ft
 Total Well Penetration Depth: 14.38 ft

FMW-1R RISING HEAD SLUG TEST

Data Set: G:\1\FMW1Rris.aqt

Date: 01/24/01

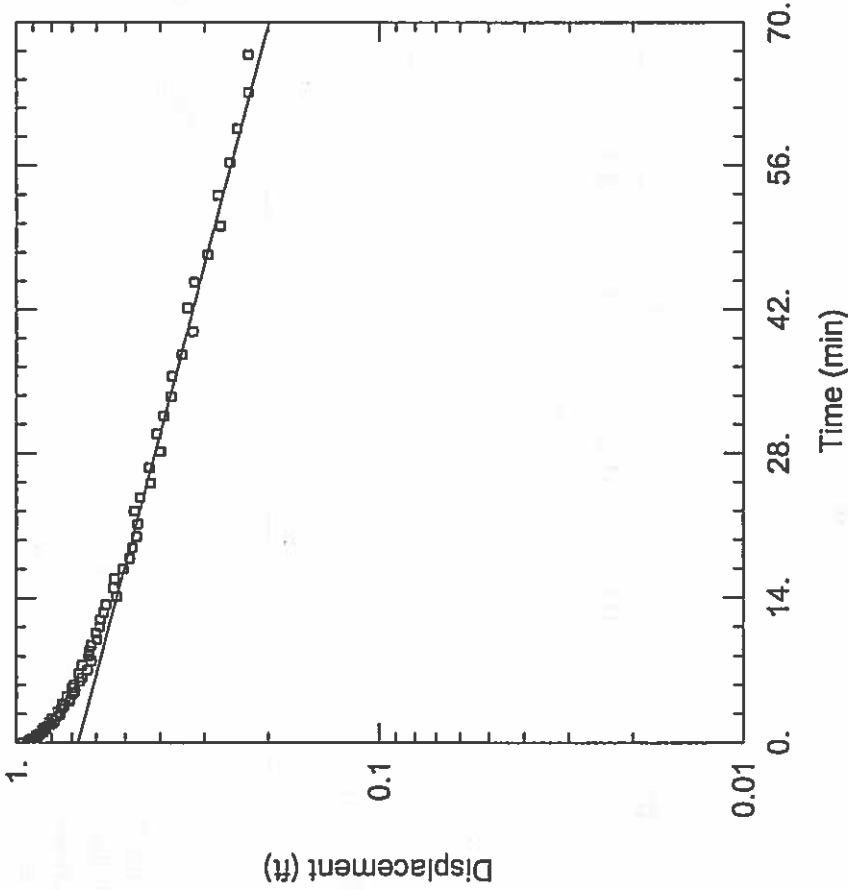
Time: 13:40:50

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-1R
Test Date: 10/6/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.655E-05 cm/sec
y0 = 0.6727 ft



AQUIFER DATA

Anisotropy Ratio (Kz/Kr): 1.

Saturated Thickness: 9.7 ft

WELL DATA (FMW-1R)

Initial Displacement: 0.958 ft
Wellbore Radius: 0.292 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 4.7 ft

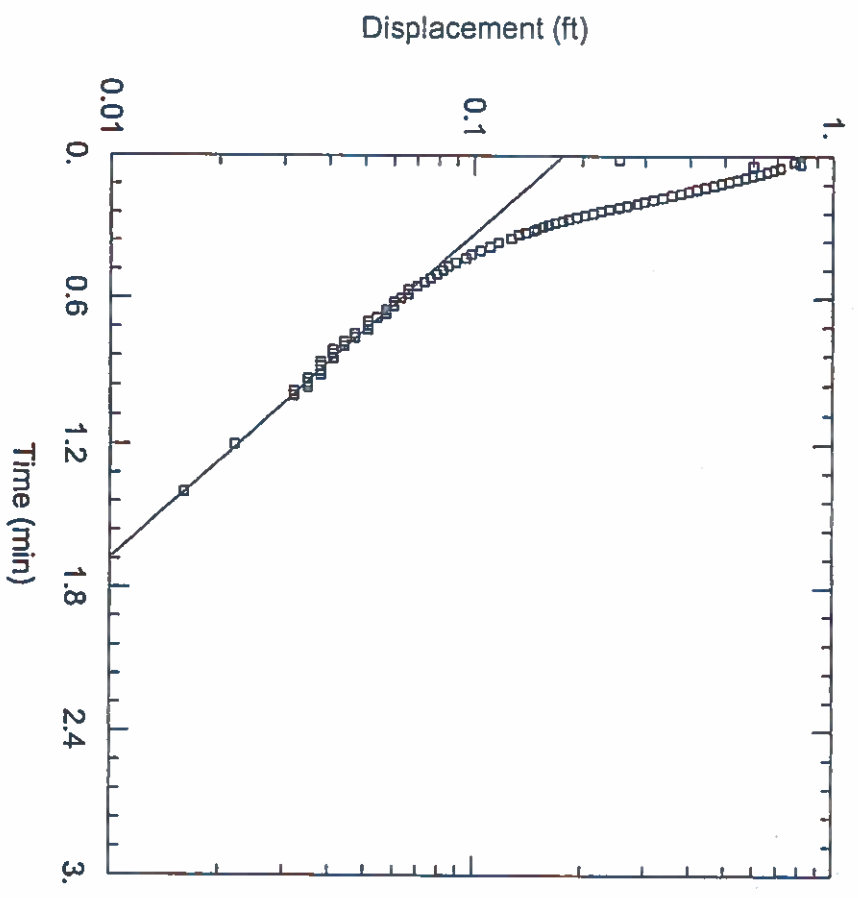
FMW-3 RISING HEAD SLUG TEST
 Data Set: G:\..\FMW3ris.aqt Time: 14:32:28
 Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
 Client: Westchester County Airport
 Project: WESTCH001
 Test Location: Harrison, New York
 Test Well: FMW-3
 Test Date: 10/10/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $K = 0.002941$ cm/sec
 $y0 = 0.1761$ ft



AQUIFER DATA

Saturated Thickness: 12.44 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-3)

Initial Displacement: 0.808 ft
 Wellbore Radius: 0.292 ft
 Screen Length: 10. ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.292 ft
 Total Well Penetration Depth: 7.44 ft

FMW-4 RISING HEAD SLUG TEST

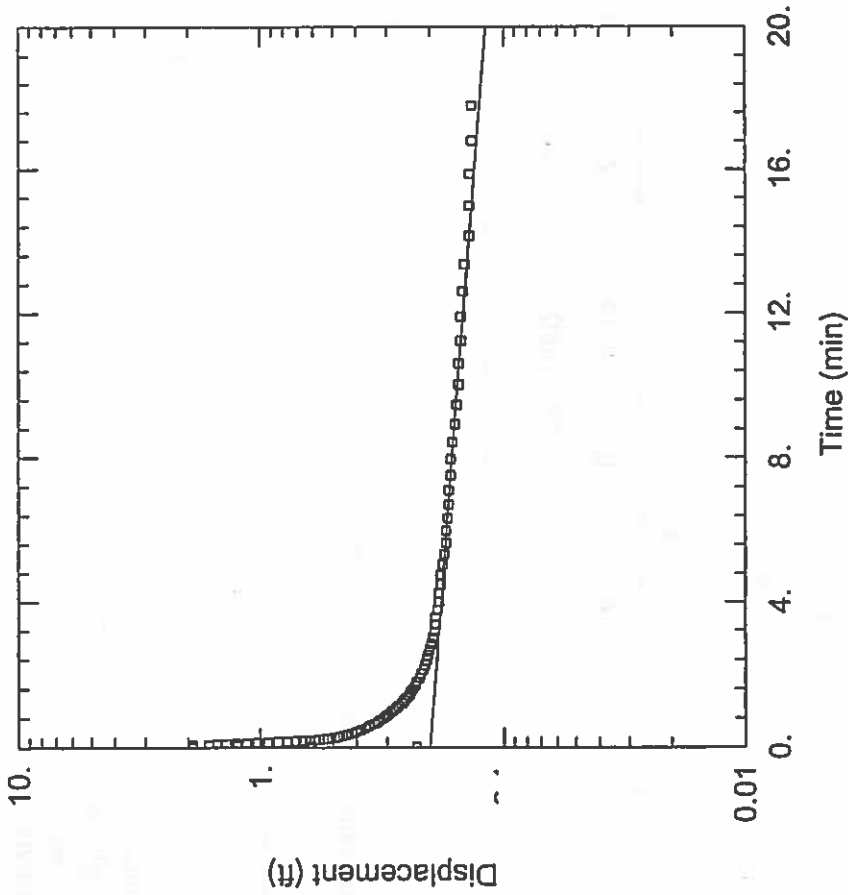
Data Set: G:\1...\FMW4ris.aqt
Date: 01/24/01 Time: 13:36:21

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-4
Test Date: 10/6/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.933E-05 cm/sec
y0 = 0.2003 ft



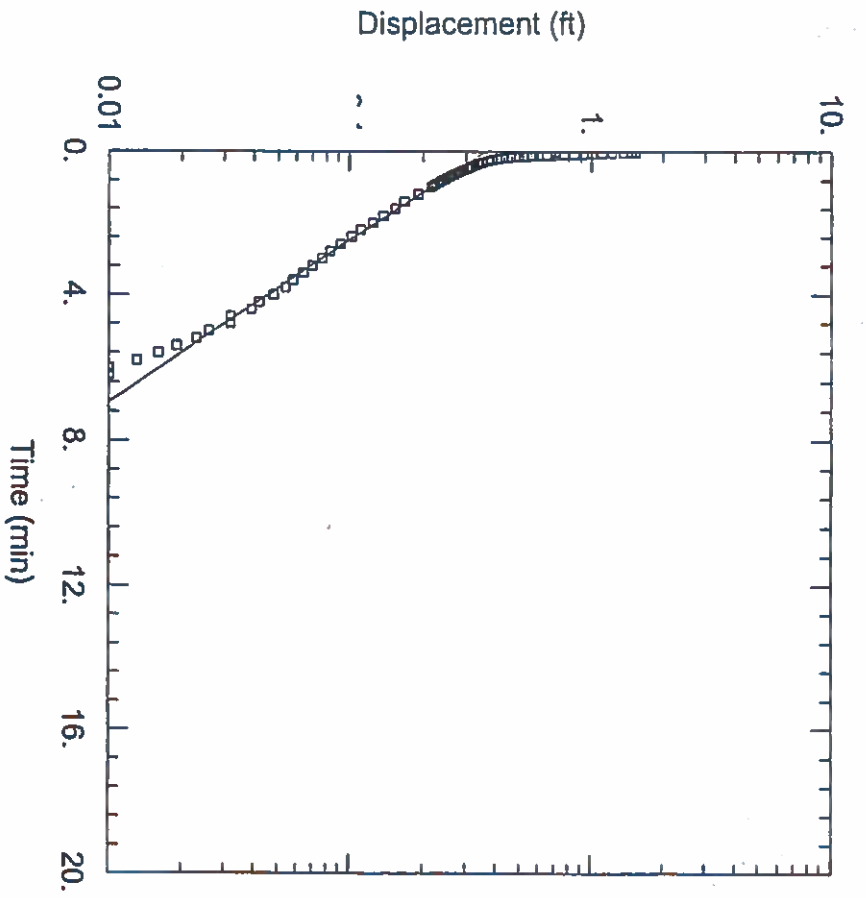
AQUIFER DATA

Anisotropy Ratio (Kz/Kr): 1.

Saturated Thickness: 11.6 ft

WELL DATA (FMW-4)

Initial Displacement: 1.897 ft
Wellbore Radius: 0.333 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.333 ft
Total Well Penetration Depth: 9.6 ft



FMW-7 RISING HEAD SLUG TEST

Data Set: G:\...\FMW7ris.aqt Time: 14:49:28
 Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
 Client: Westchester County Airport
 Project: WESTCH001
 Test Location: Harrison, New York
 Test Well: FMW-7
 Test Date: 10/4/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $K = 0.0009073$ cm/sec
 $y0 = 0.3585$ ft

AQUIFER DATA

Saturated Thickness: 13.23 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-7)

Initial Displacement: 1.531 ft
 Wellbore Radius: 0.292 ft
 Screen Length: 10. ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.292 ft
 Total Well Penetration Depth: 8.23 ft

FMW-9 RISING HEAD SLUG TEST

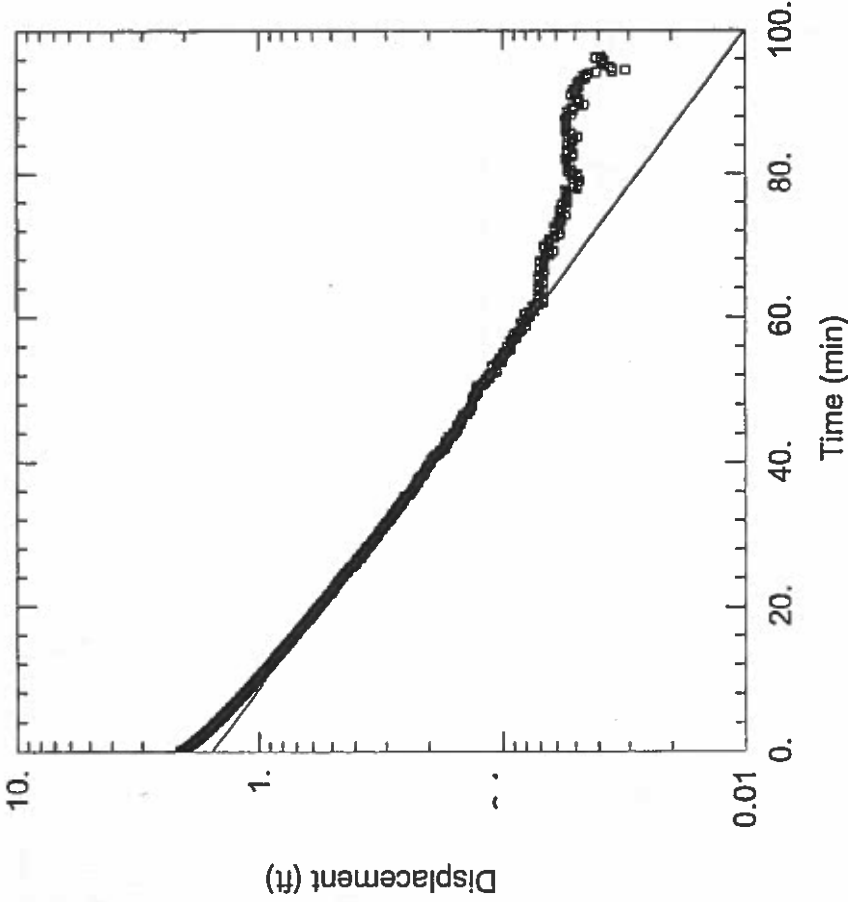
Data Set: 12/28/00 Time: 14:26:14

PROJECT INFORMATION

Company: First Environment
Client: WESTCHESTER COUNTY AIRPORT
Project: WESTC001
Test Location: HARRISON, NEW YORK
Test Well: FMW-9
Test Date: 11/17/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0001413 cm/sec
y0 = 1.542 ft



AQUIFER DATA

Saturated Thickness: 12.16 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-9)

Initial Displacement: 2.108 ft
Wellbore Radius: 0.333 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.333 ft
Total Well Penetration Depth: 17.16 ft

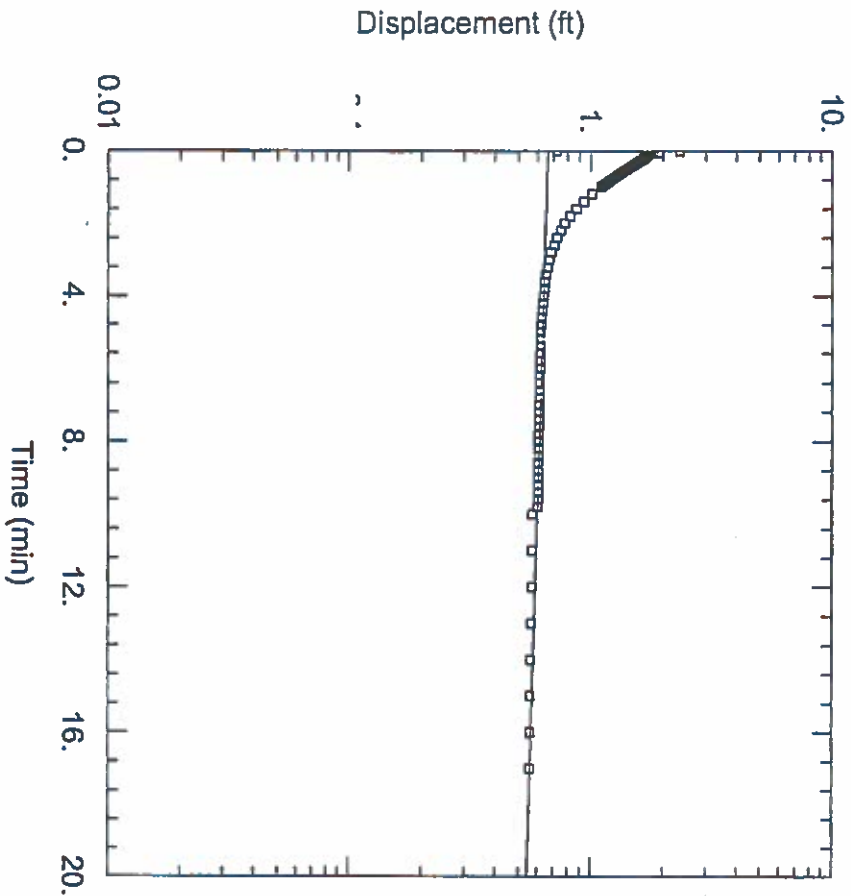
FMW-10 RISING HEAD SLUG TEST
 Data Set: G:\...\FMW10ris.aqt
 Date: 01/24/01 Time: 14:10:45

PROJECT INFORMATION

Company: First Environment
 Client: Westchester County Airport
 Project: WESTCH001
 Test Location: Harrison, New York
 Test Well: FMW-10
 Test Date: 10/4/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $K = 2.193E-05$ cm/sec
 $y0 = 0.6629$ ft



AQUIFER DATA

Saturated Thickness: 9.75 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-10)

Initial Displacement: 2.338 ft
 Wellbore Radius: 0.292 ft
 Screen Length: 7. ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.292 ft
 Total Well Penetration Depth: 5.75 ft

FMW-11 RISING HEAD SLUG TEST

Data Set: G:\...\FMW11ris.aqt

Date: 01/24/01

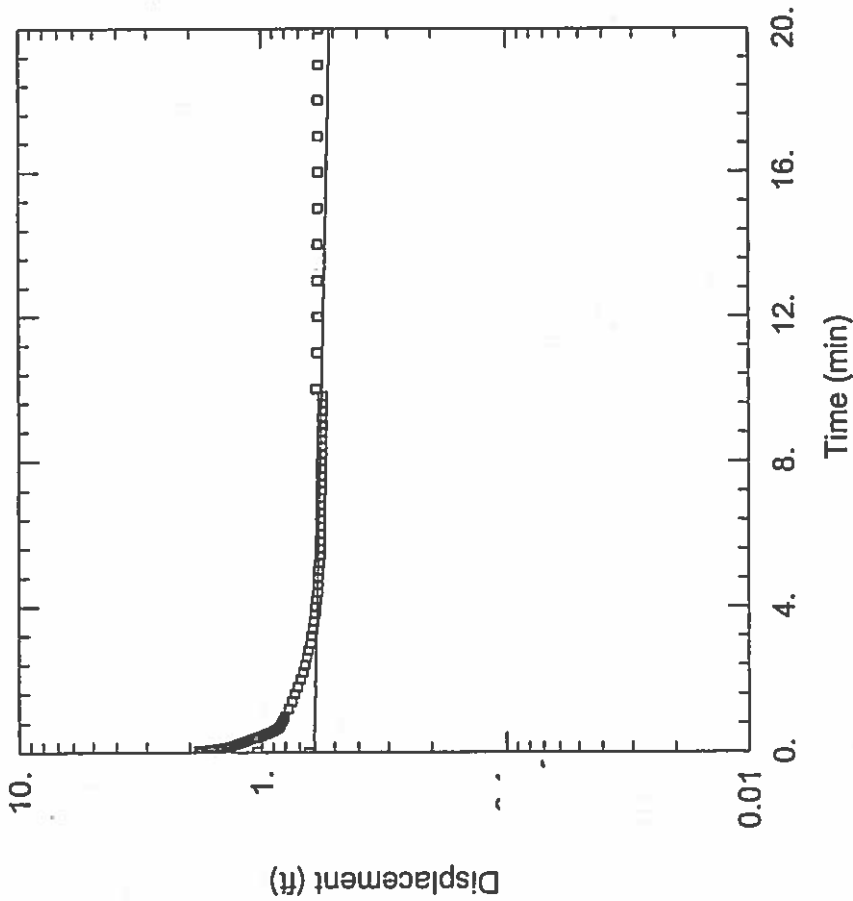
Time: 14:12:11

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-11
Test Date: 10/4/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.016E-05 cm/sec
y0 = 0.6074 ft



AQUIFER DATA

Saturated Thickness: 7.75 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-11)

Initial Displacement: 1.831 ft
Wellbore Radius: 0.292 ft
Screen Length: 6. ft
Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 5.75 ft

FMW-12 RISING HEAD SLUG TEST

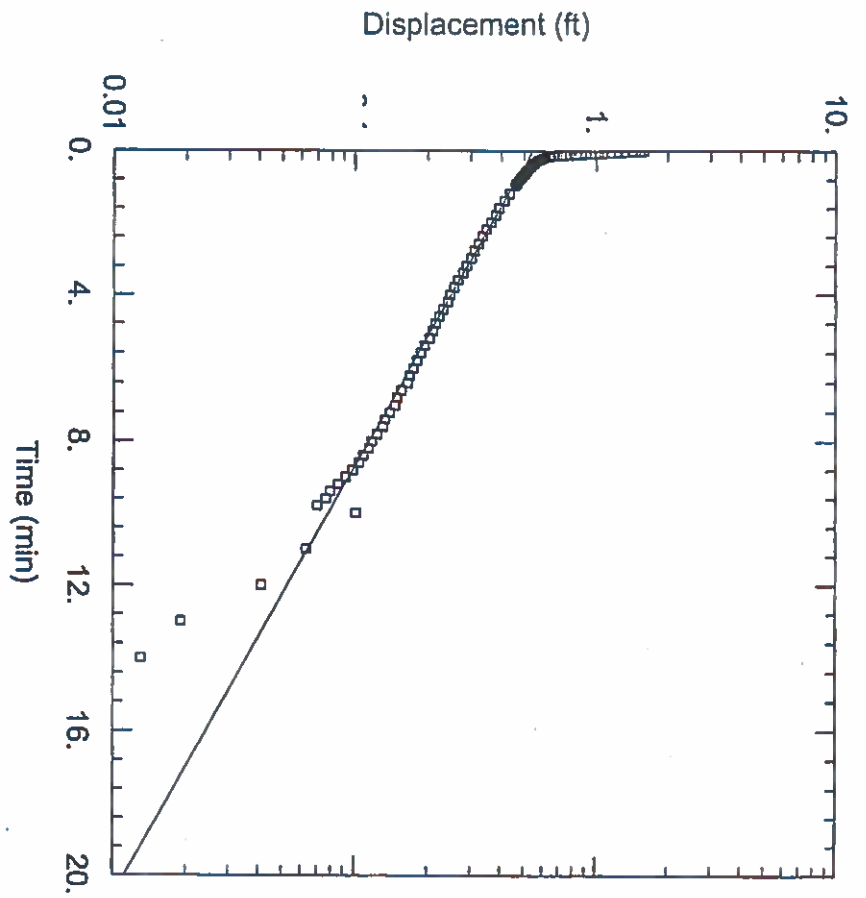
Data Set: G:\1..FMW12\ris.aqt Time: 14:23:30
Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-12
Test Date: 10/4/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0003075 cm/sec
y0 = 0.5396 ft



AQUIFER DATA

Saturated Thickness: 10.4 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-12)

Initial Displacement: 1.575 ft
Wellbore Radius: 0.292 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 5.4 ft

FMW-13 RISING HEAD SLUG TEST

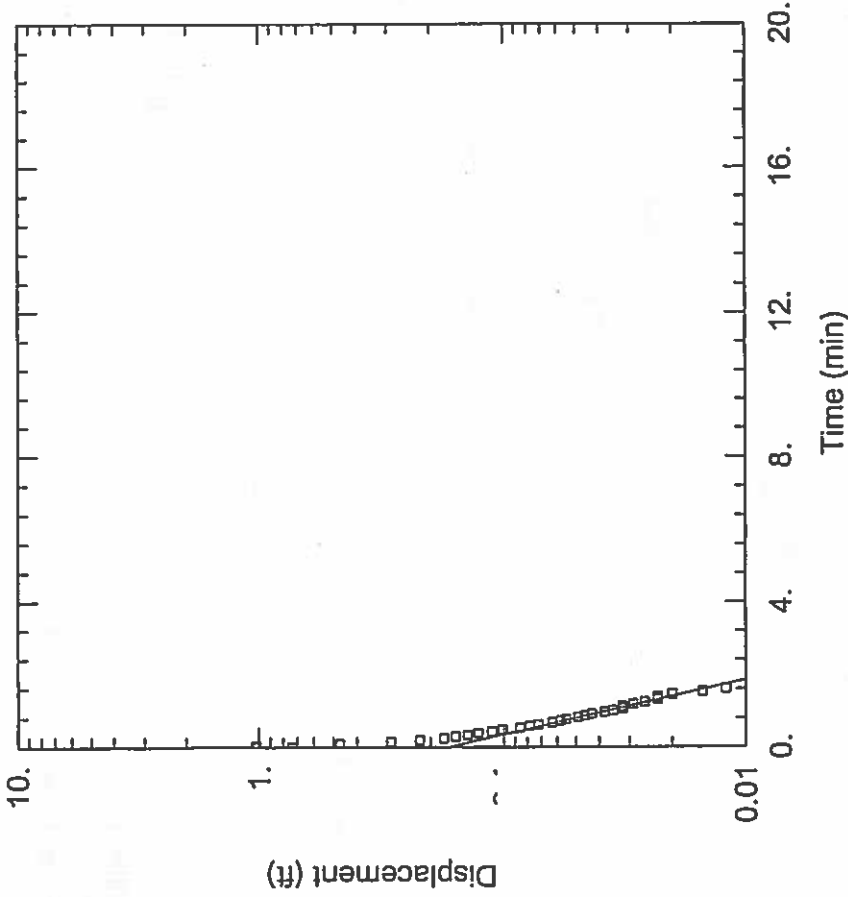
Data Set: G:\...\FMW13ris.aqt Time: 13:34:46
Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-13
Test Date: 10/5/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.002646 cm/sec
y0 = 0.1672 ft

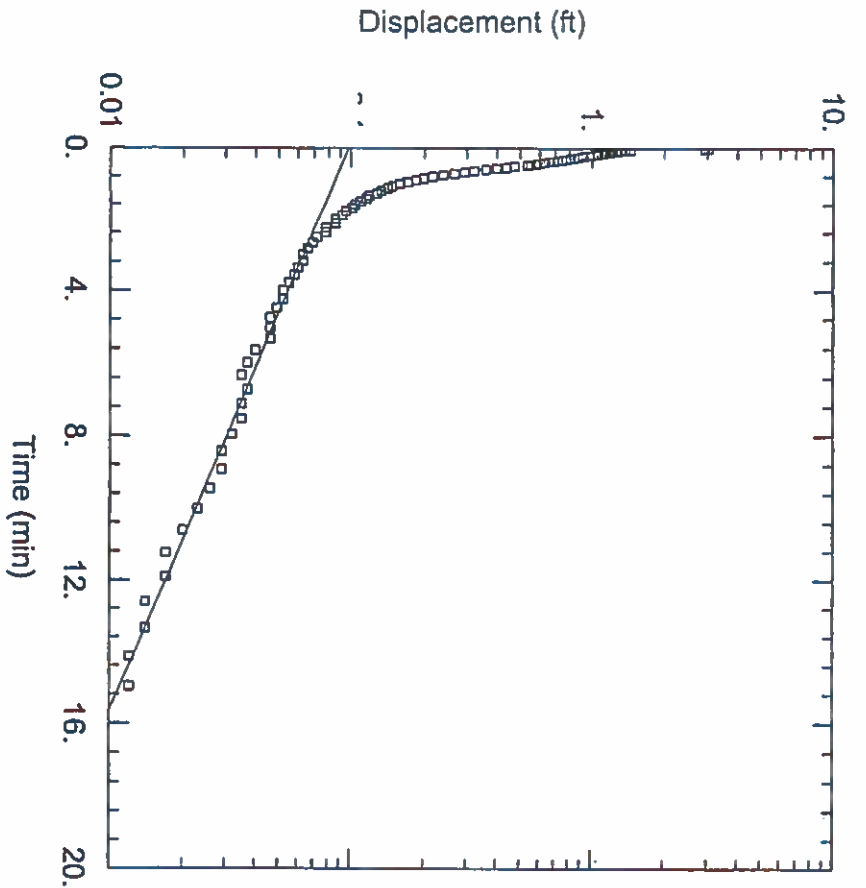


AQUIFER DATA

Saturated Thickness: 12.8 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-13)

Initial Displacement: 1.024 ft
Wellbore Radius: 0.292 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 7.8 ft



FMW-14 RISING HEAD SLUG TEST

Data Set: G:\..IFMW14ris.aqt Time: 13:44:45
 Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
 Client: Westchester County Airport
 Project: WESTCH001
 Test Location: Harrison, New York
 Test Well: FMW-14
 Test Date: 10/6/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $K = 0.0002727$ cm/sec
 $y_0 = 0.09735$ ft

AQUIFER DATA

Saturated Thickness: 11.79 ft Anisotropy Ratio (k_z/k_r): 1.

WELL DATA (FMW-14)

Initial Displacement: 3.028 ft
 Wellbore Radius: 0.292 ft
 Screen Length: 10. ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.292 ft
 Total Well Penetration Depth: 9.79 ft

FMW-15 RISING HEAD SLUG TEST

Data Set: G:\...\FMW15ris.aqt

Date: 01/24/01

Time: 13:48:45

PROJECT INFORMATION

Company: First Environment

Client: Westchester County Airport

Project: WESTCH001

Test Location: Harrison, New York

Test Well: FMW-15

Test Date: 10/5/00

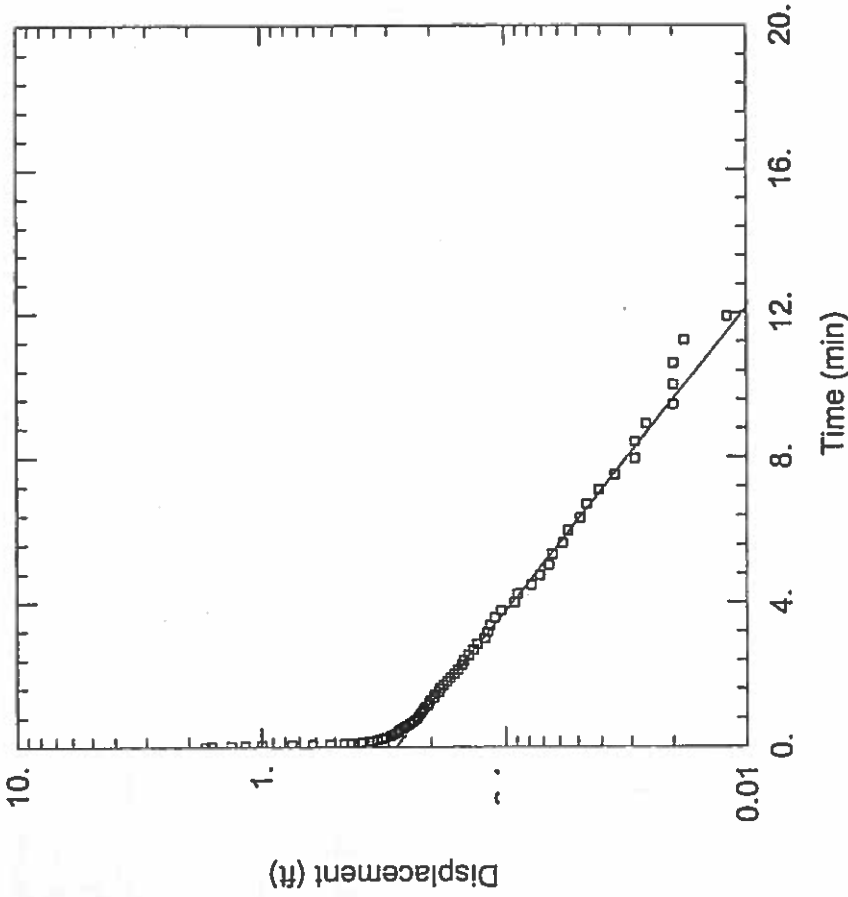
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

$K = 0.0004664$ cm/sec

$y_0 = 0.2798$ ft



AQUIFER DATA

Saturated Thickness: 6.58 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (FMW-15)

Initial Displacement: 1.697 ft

Wellbore Radius: 0.292 ft

Screen Length: 9. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft

Well Skin Radius: 0.292 ft

Total Well Penetration Depth: 4.58 ft

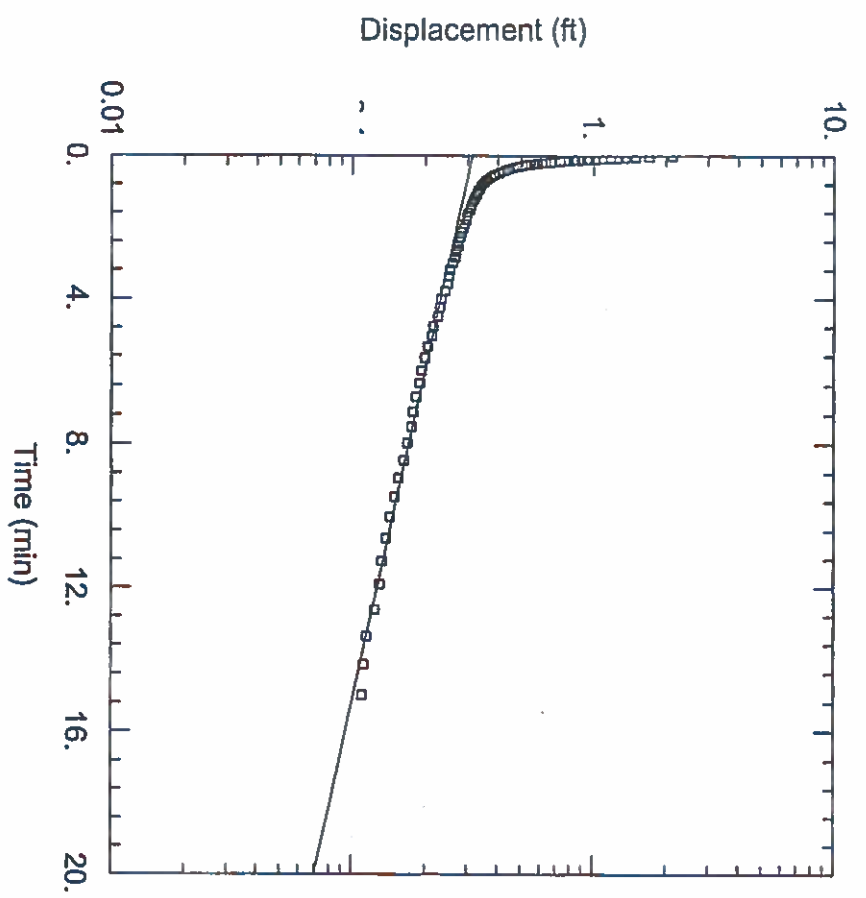
FMW-16 RISING HEAD SLUG TEST
Data Set: G:\..\FMW\16ris.aqt Time: 13:52:31
Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-16
Test Date: 10/5/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.114E-05 cm/sec
y0 = 0.3118 ft



AQUIFER DATA

Saturated Thickness: 15 ft

Anisotropy Ratio (Kz/Kr): 1

WELL DATA (FMW-16)

Initial Displacement: 2.122 ft
Wellbore Radius: 0.292 ft
Screen Length: 10 ft
Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 10 ft

FMW-24 RISING HEAD SLUG TEST

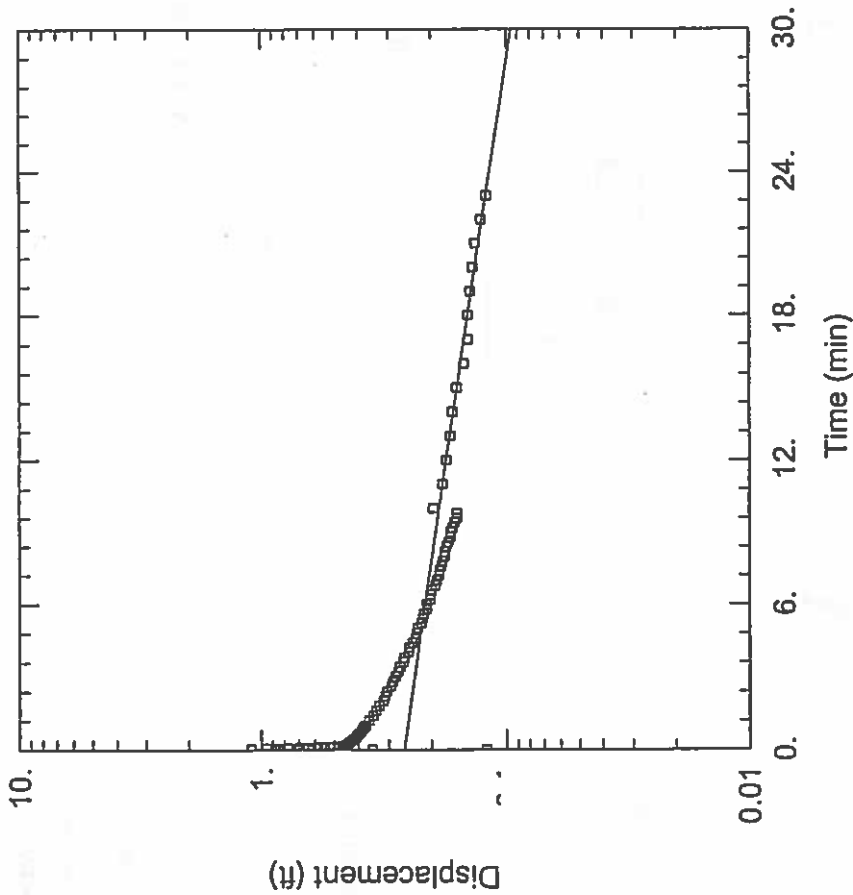
Data Set: G:\1...FMW24ris.aqt Time: 14:00:24
Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-24
Test Date: 10/10/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
 $K = 2.148E-05$ cm/sec
 $y0 = 0.2595$ ft



AQUIFER DATA

Anisotropy Ratio (Kz/Kr): 1.

Saturated Thickness: 7. ft

WELL DATA (FMW-24)

Initial Displacement: 1.096 ft
Wellbore Radius: 0.292 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 5. ft

FMW-25 RISING HEAD SLUG TEST

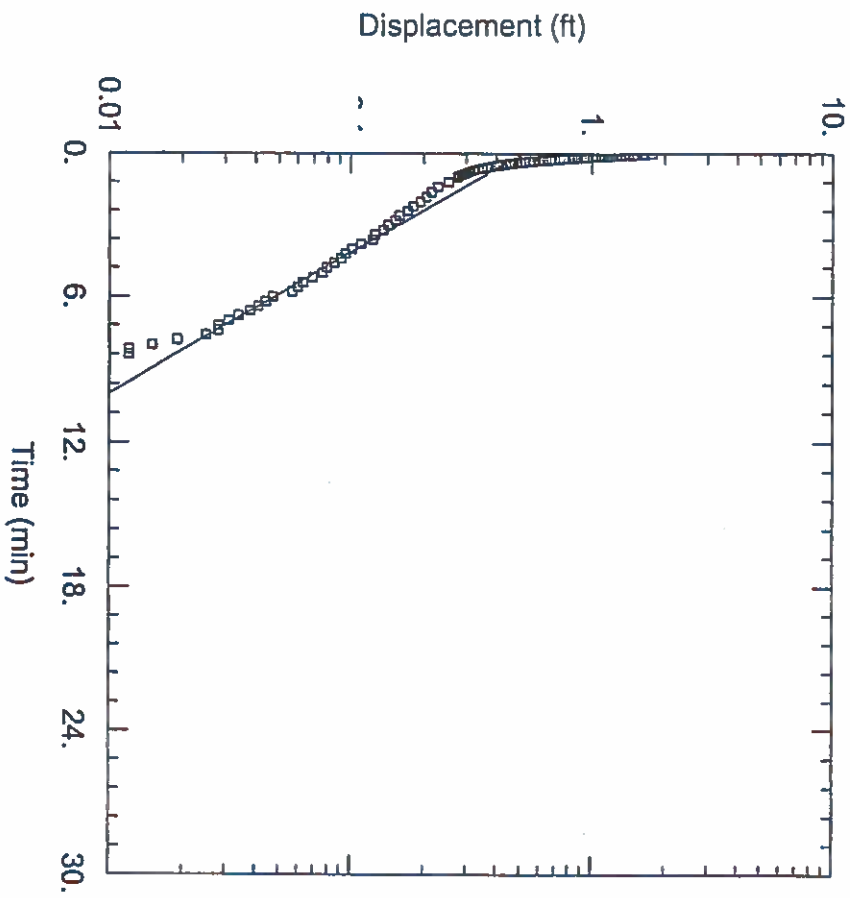
Data Set: G:\..\FMW25ris.aqt Time: 14:03:37
 Date: 01/24/01

PROJECT INFORMATION

Company: First Environment
 Client: Westchester County Airport
 Project: WESTCH001
 Test Location: Harrison, New York
 Test Well: FMW-25
 Test Date: 10/11/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 0.0006214 cm/sec
 Y0 = 0.5069 ft



AQUIFER DATA

Saturated Thickness: 13.7 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-25)

Initial Displacement: 1.634 ft
 Wellbore Radius: 0.292 ft
 Screen Length: 8.7 ft
 Gravel Pack Porosity: 0.3

Casing Radius: 0.083 ft
 Well Skin Radius: 0.292 ft
 Total Well Penetration Depth: 3.7 ft

FMW-26 RISING HEAD SLUG TEST

Data Set: G:\...\FMW26ris.aqt

Date: 01/24/01

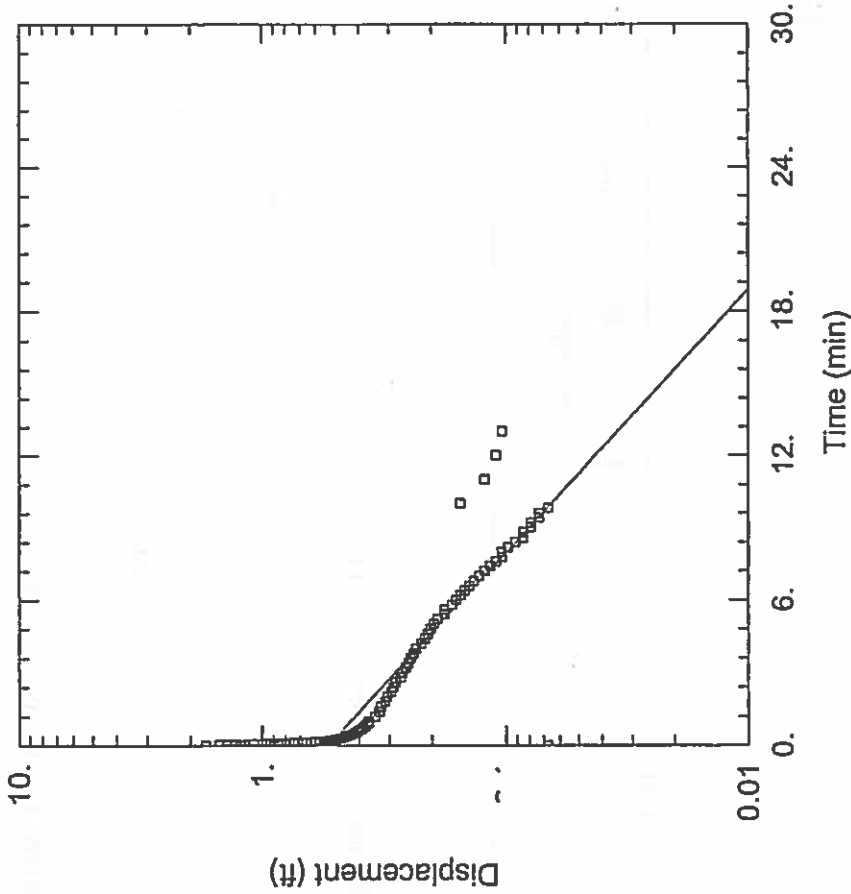
Time: 14:05:07

PROJECT INFORMATION

Company: First Environment
Client: Westchester County Airport
Project: WESTCH001
Test Location: Harrison, New York
Test Well: FMW-26
Test Date: 10/6/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0003658 cm/sec
y0 = 0.5327 ft



AQUIFER DATA

Anisotropy Ratio (Kz/Kr): 1.

Saturated Thickness: 9.02 ft

WELL DATA (FMW-26)

Initial Displacement: 1.706 ft
Wellbore Radius: 0.292 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.292 ft
Total Well Penetration Depth: 7.02 ft

FMW-31 RISING HEAD SLUG TEST.

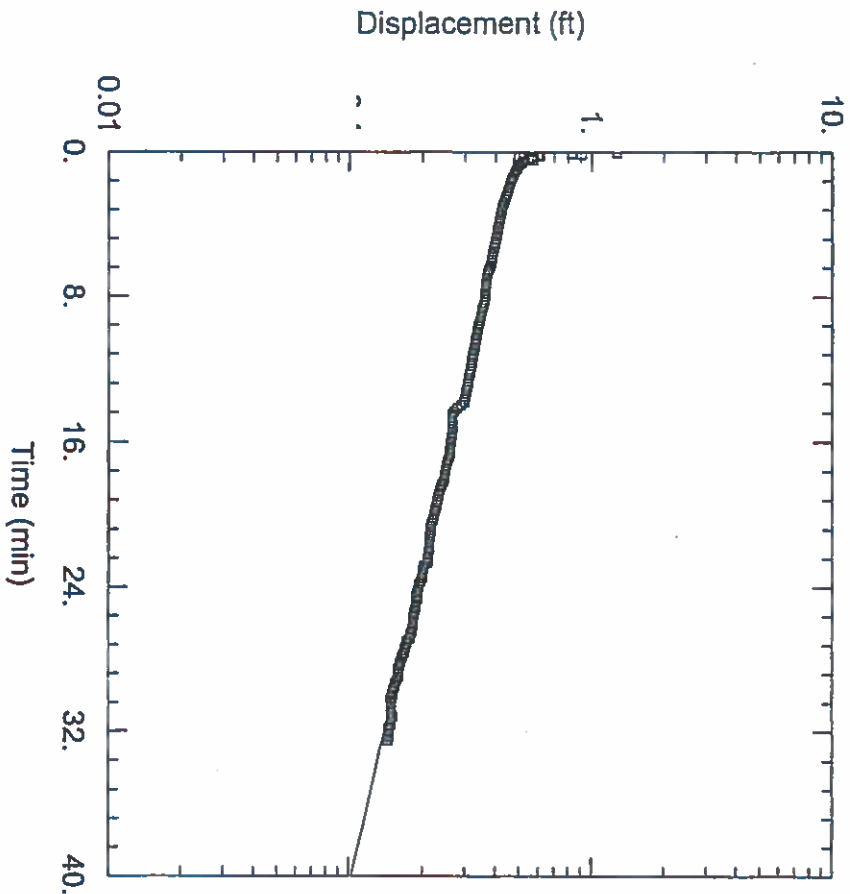
Data Set: 12/28/00 Time: 14:45:49

PROJECT INFORMATION

Company: First Environment
Client: WESTCHESTER COUNTY AIRPORT
Project: WESTC001
Test Location: HARRISON, NEW YORK
Test Well: FMW-31
Test Date: 11/16/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.981E-05 cm/sec
y0 = 0.4832 ft



AQUIFER DATA

Saturated Thickness: 10.8 ft Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (FMW-31)

Initial Displacement: 1.274 ft Casing Radius: 0.083 ft
Wellbore Radius: 0.333 ft Well Skin Radius: 0.333 ft
Screen Length: 15. ft Gravel Pack Porosity: 0.3
Total Well Penetration Depth: 8.8 ft

FMW-34 RISING HEAD SLUG TEST (1)

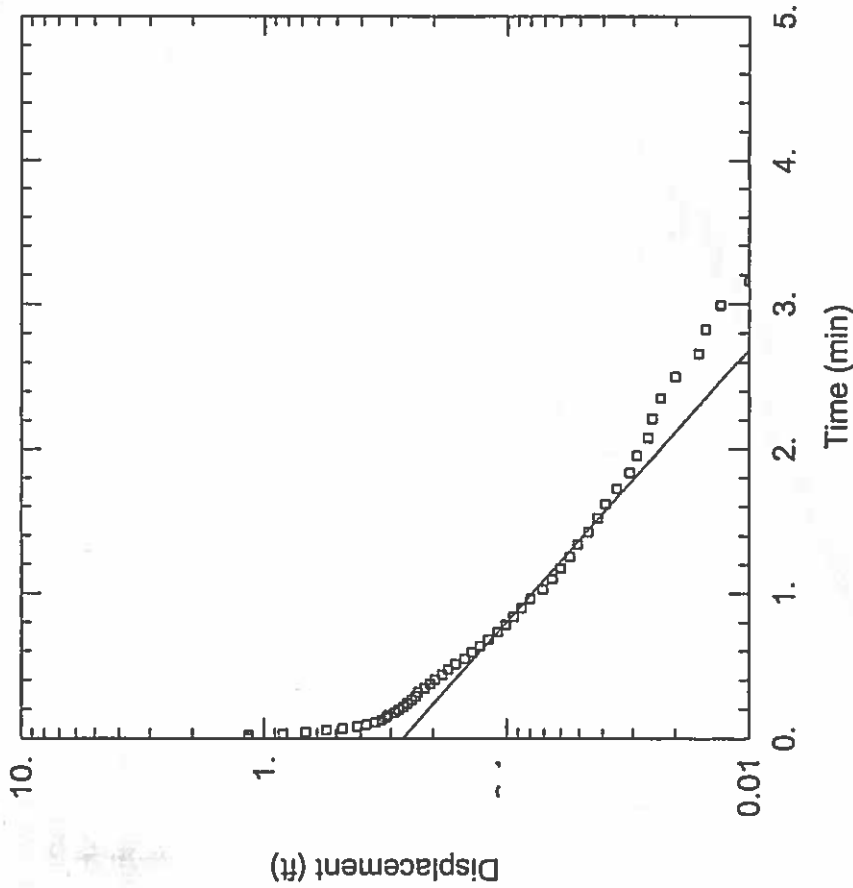
Data Set: G:\...FMW34-1ris.aqt
Date: 12/28/00 Time: 15:07:29

PROJECT INFORMATION

Company: First Environment
Client: WESTCHESTER COUNTY AIRPORT
Project: WESTC001
Test Location: HARRISON, NEW YORK
Test Well: FMW-34
Test Date: 11/16/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
 $K = 0.001277$ cm/sec
 $y_0 = 0.267$ ft

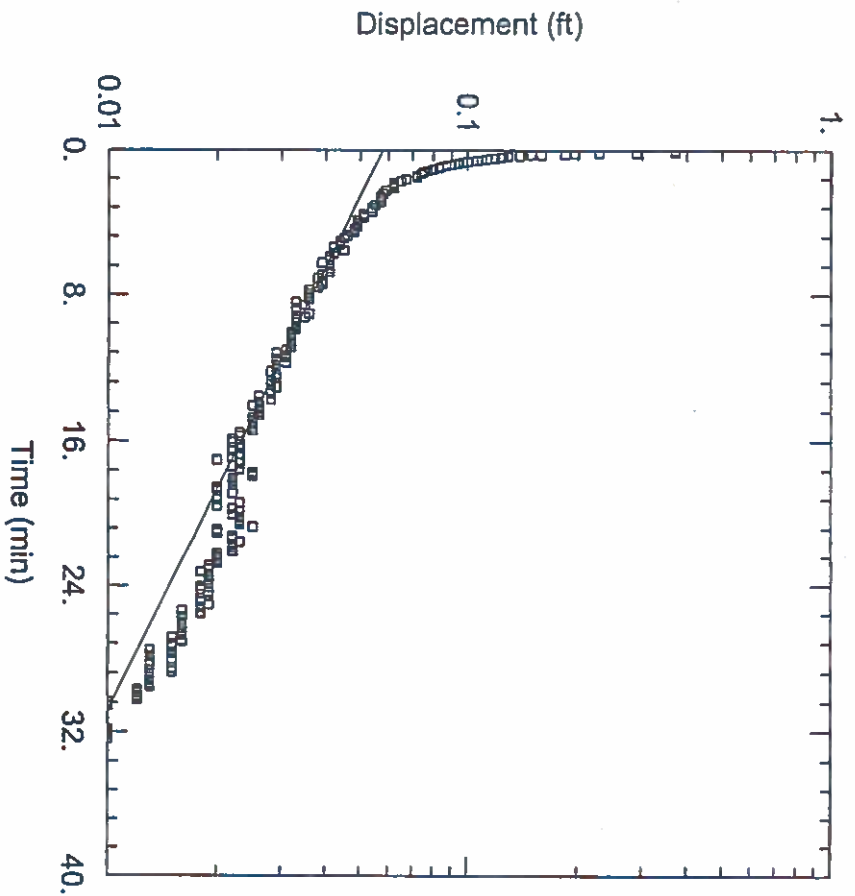


AQUIFER DATA

Saturated Thickness: 14.16 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (fmw-34)

Initial Displacement: 1.16 ft
Wellbore Radius: 0.333 ft
Screen Length: 25. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.333 ft
Total Well Penetration Depth: 12.16 ft



FMW-38 RISING HEAD SLUG TEST

Data Set: _____
 Date: 12/28/00 Time: 15:42:06

PROJECT INFORMATION

Company: First Environment
 Client: WESTCHESTER COUNTY AIRPORT
 Project: WESTC001
 Test Location: HARRISON, NEW YORK
 Test Well: FMW-38
 Test Date: 11/17/00

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 6.686E-05 cm/sec
 $y_0 =$ 0.0577 ft

AQUIFER DATA

Saturated Thickness: 3.54 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-38)

Initial Displacement: 0.372 ft Casing Radius: 0.083 ft
 Wellbore Radius: 0.333 ft Well Skin Radius: 0.333 ft
 Screen Length: 10. ft Total Well Penetration Depth: 1.54 ft
 Gravel Pack Porosity: 0.3

FMW-39 RISING HEAD SLUG TEST (1)

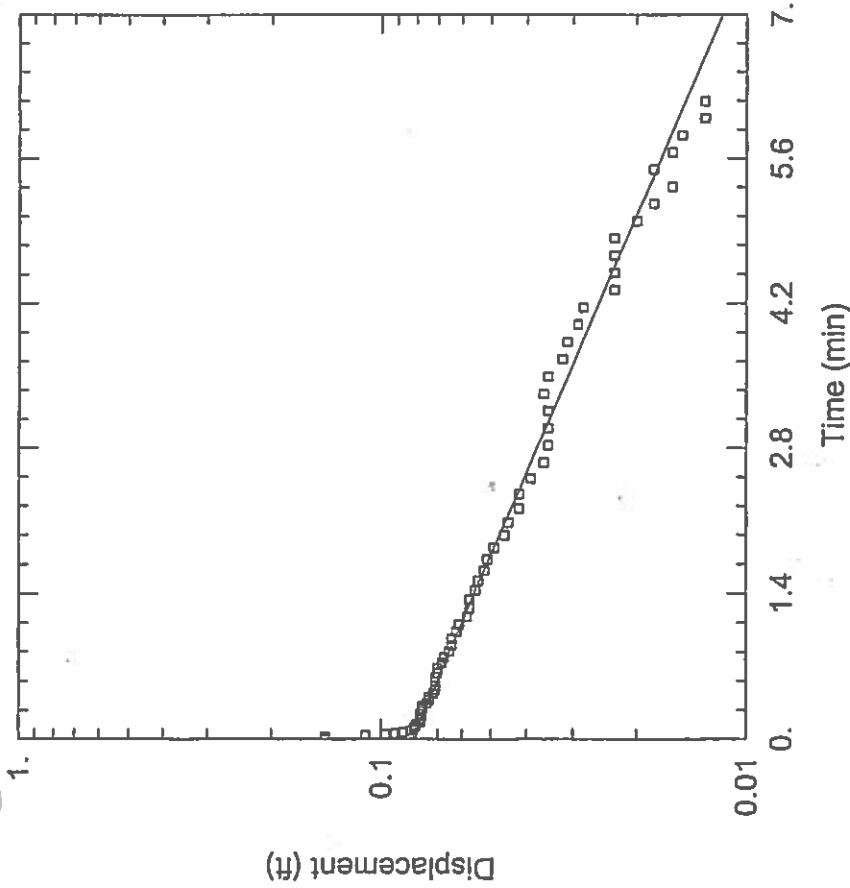
Data Set:
Date: 12/28/00 Time: 15:58:09

PROJECT INFORMATION

Company: First Environment
Client: WESTCHESTER COUNTY AIRPORT
Project: WESTC001
Test Location: HARRISON, NEW YORK
Test Well: FMW-39
Test Date: 11/16/00

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
 $K = 0.001042$ cm/sec
 $y_0 = 0.08171$ ft



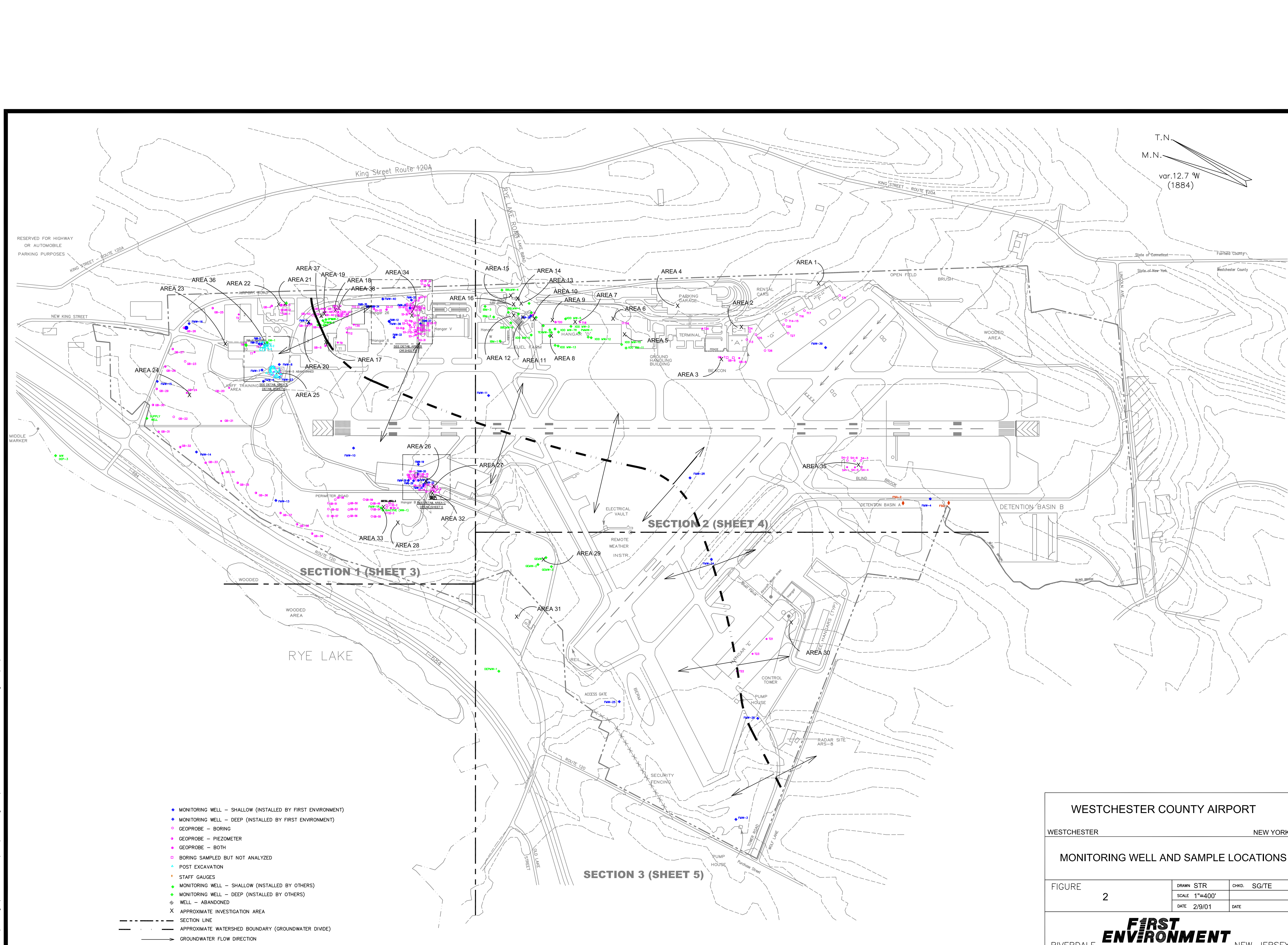
AQUIFER DATA

Saturated Thickness: 4.06 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (FMW-39)

Initial Displacement: 0.142 ft
Wellbore Radius: 0.333 ft
Screen Length: 3. ft
Gravel Pack Porosity: 0.3
Casing Radius: 0.083 ft
Well Skin Radius: 0.333 ft
Total Well Penetration Depth: 2.06 ft





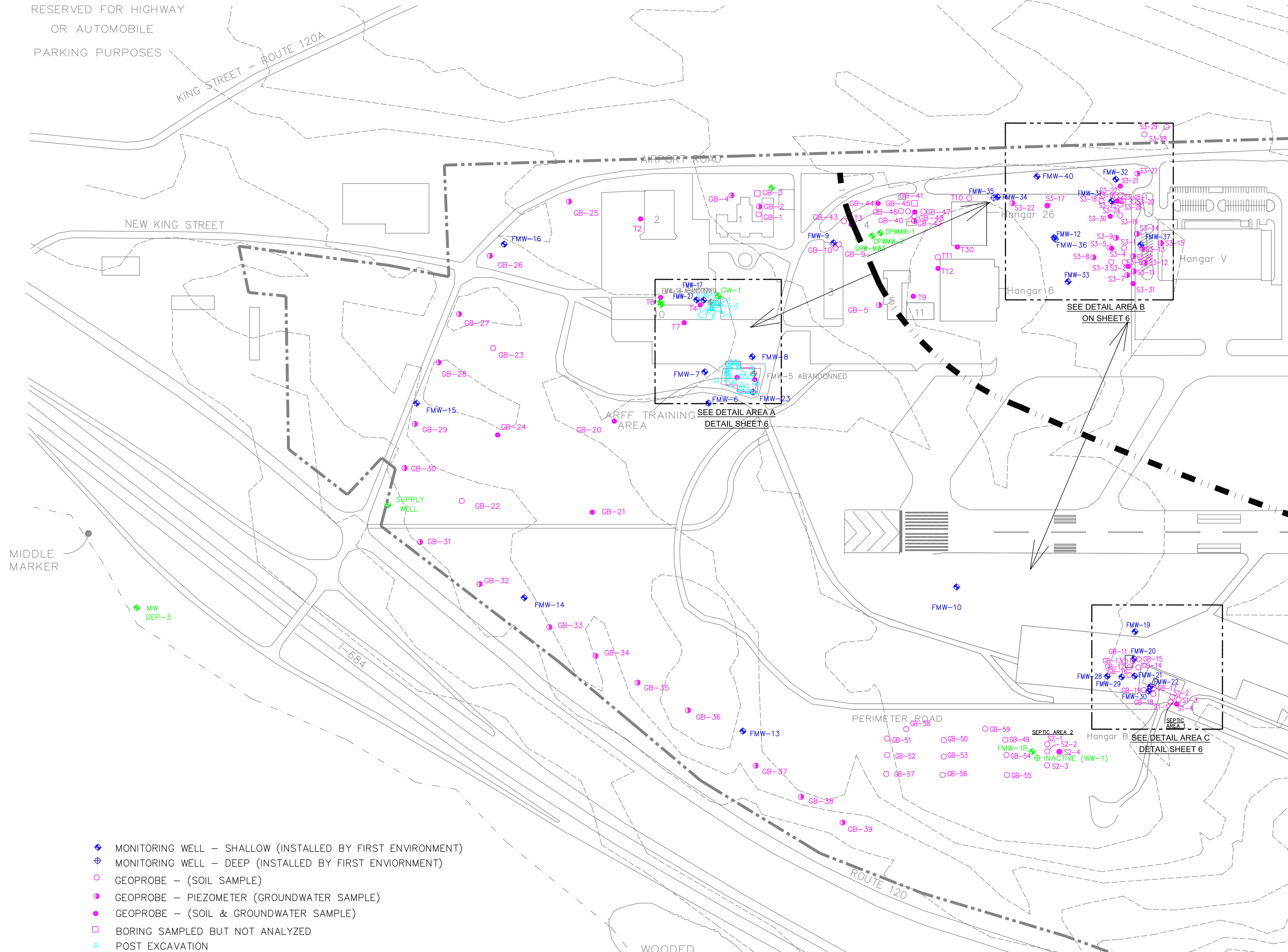
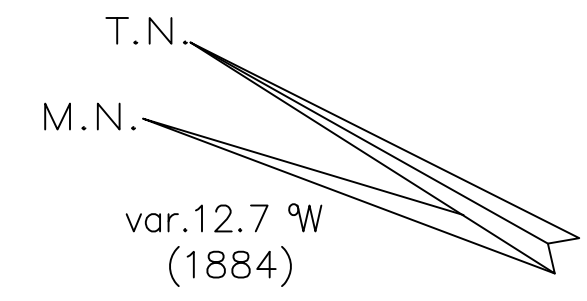
T.N.
M.N.
var. 12.7 °W
(1884)

S:\drawings\westchester\airport\westchester_figures\westch-FIG2-WELL-SAMP-LOC.dwg 02/16/2001 09:07:36 AM EST

- ◆ MONITORING WELL - SHALLOW (INSTALLED BY FIRST ENVIRONMENT)
- ◆ MONITORING WELL - DEEP (INSTALLED BY FIRST ENVIRONMENT)
- GEOPROBE - BORING
- GEOPROBE - PIEZOMETER
- GEOPROBE - BOTH
- BORING SAMPLED BUT NOT ANALYZED
- POST EXCAVATION
- STAFF GAUGES
- ◆ MONITORING WELL - SHALLOW (INSTALLED BY OTHERS)
- ◆ MONITORING WELL - DEEP (INSTALLED BY OTHERS)
- WELL - ABANDONED
- X APPROXIMATE INVESTIGATION AREA
- - - SECTION LINE
- - - APPROXIMATE WATERSHED BOUNDARY (GROUNDWATER DIVIDE)
- GROUNDWATER FLOW DIRECTION

WESTCHESTER COUNTY AIRPORT			
WESTCHESTER		NEW YORK	
MONITORING WELL AND SAMPLE LOCATIONS			
FIGURE	2	DRAWN STR	CHKD. SG/TE
		SCALE 1"=400'	DATE
		DATE 2/9/01	DATE
FIRST ENVIRONMENT		RIVERDALE NEW JERSEY	

RESERVED FOR HIGHWAY
OR AUTOMOBILE
PARKING PURPOSES



MIDDLE MARKER

SEE SHEET #4 SECTION 2

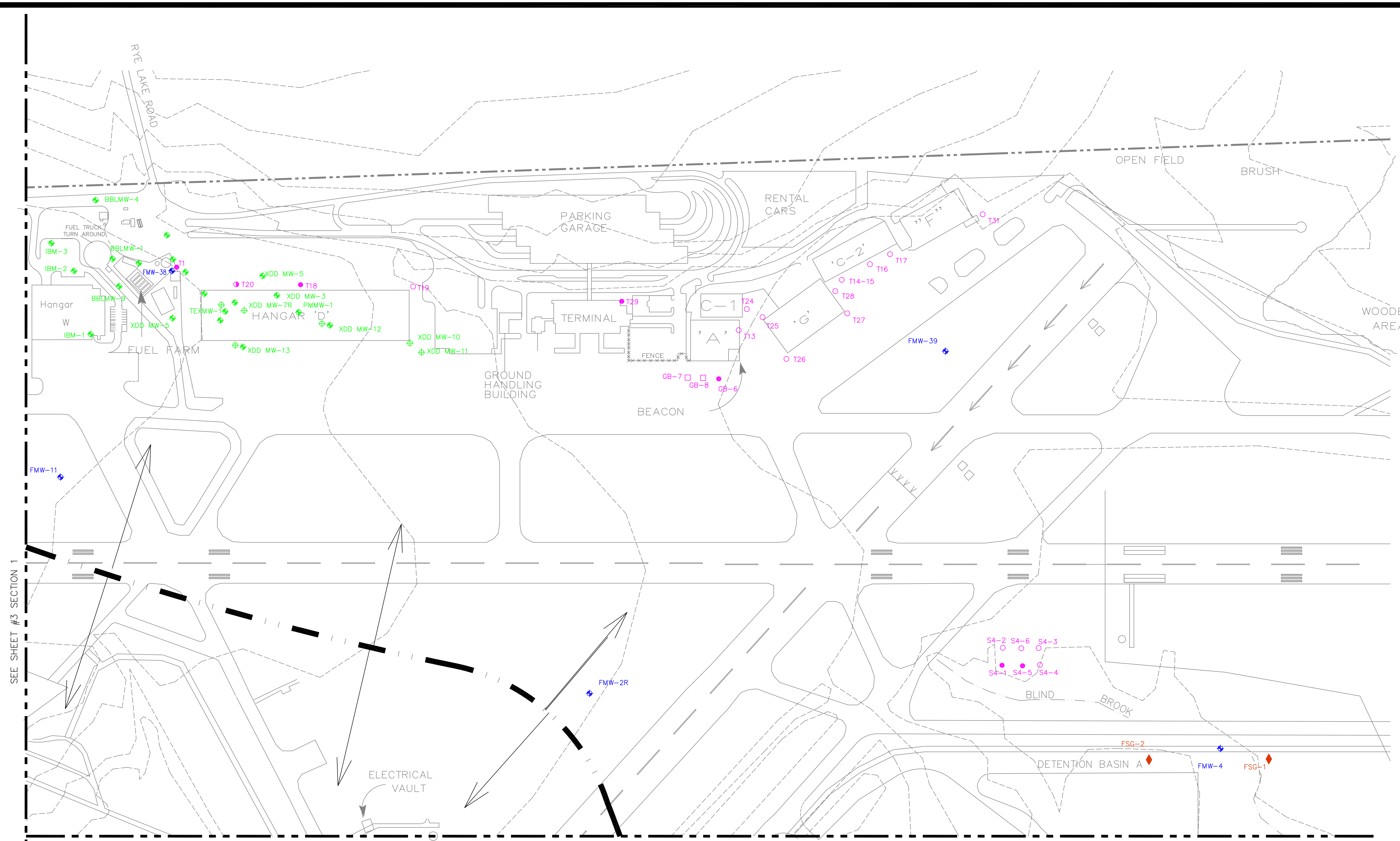
SEE SHEET #5 SECTION 3

- ◆ MONITORING WELL - SHALLOW (INSTALLED BY FIRST ENVIRONMENT)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY FIRST ENVIRONMENT)
- GEOPROBE - (SOIL SAMPLE)
- GEOPROBE - PIEZOMETER (GROUNDWATER SAMPLE)
- GEOPROBE - (SOIL & GROUNDWATER SAMPLE)
- BORING SAMPLED BUT NOT ANALYZED
- △ POST EXCAVATION
- ◆ STAFF GAUGES
- ◆ MONITORING WELL - SHALLOW (INSTALLED BY OTHERS)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY OTHERS)
- ⊕ WELL - ABANDONED
- SECTION LINE
- - - - - APPROXIMATE WATERSHED BOUNDARY (GROUNDWATER DIVIDE)
- GROUNDWATER FLOW DIRECTION

WESTCHESTER COUNTY AIRPORT			
WESTCHESTER		NEW YORK	
SAMPLE LOCATION AREA SECTION 1			
FIGURE	3	DRAWN STR	CHKD. SRG/TE
		SCALE 1"=200'	
		DATE 2/9/01	DATE
FIRST ENVIRONMENT			
RIVERDALE		NEW JERSEY	

S:\drawings\westchester\airport\westch_figures\westch-FIG3-SECT1.dwg 02/09/2001 03:36:23 PM EST

T.N.
M.N.
var. 12.7° W
(1884)



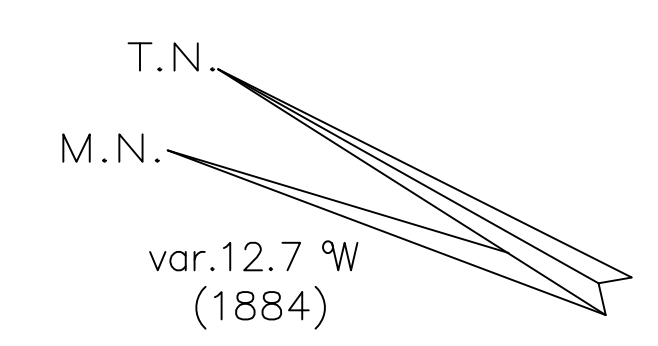
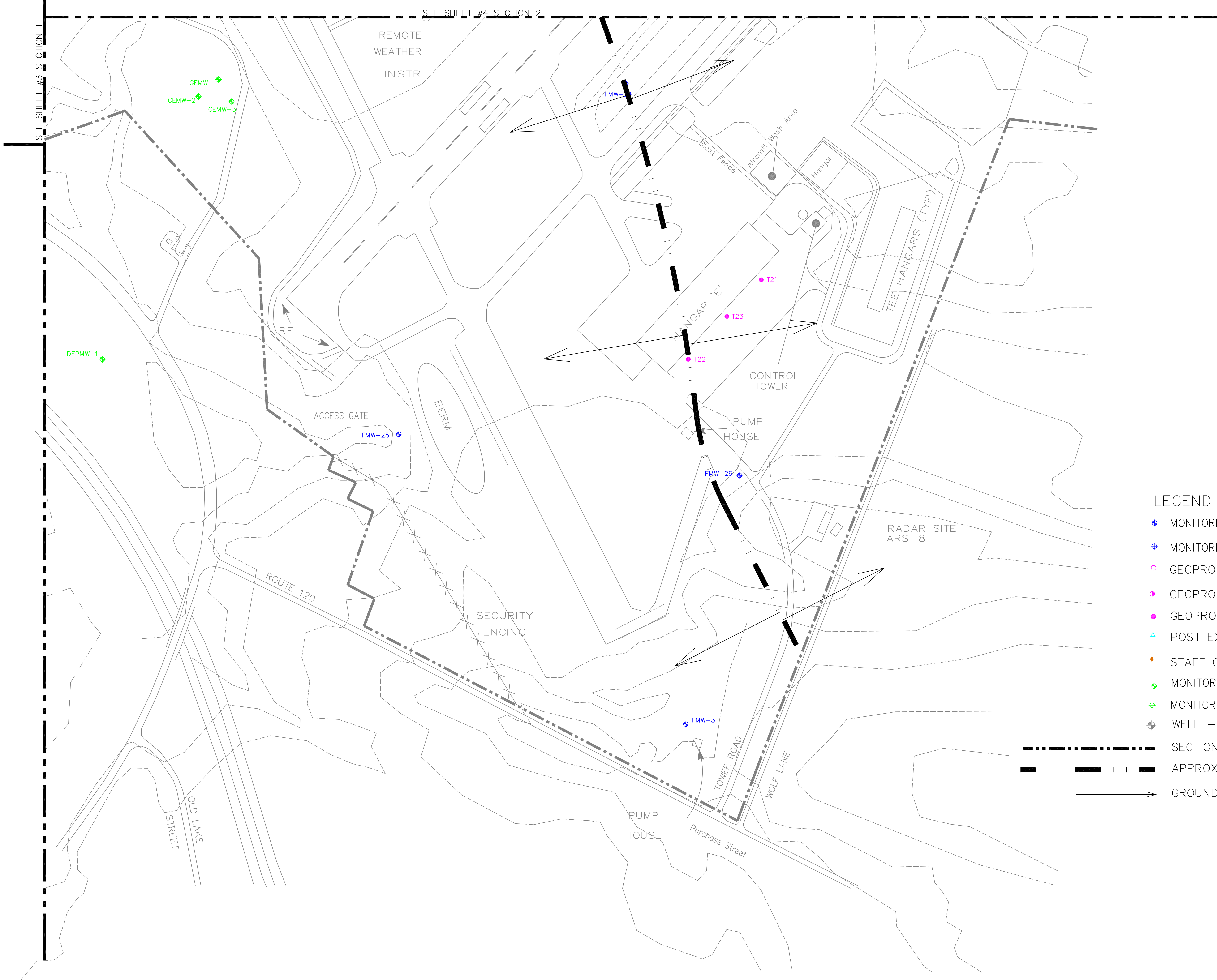
SEE SHEET #3 SECTION 1

SEE SHEET #5 SECTION 3

- ◆ MONITORING WELL - SHALLOW (INSTALLED BY FIRST ENVIRONMENT)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY FIRST ENVIRONMENT)
- GEOPROBE - (SOIL SAMPLE)
- GEOPROBE - PIEZOMETER (GROUNDWATER SAMPLE)
- GEOPROBE - (SOIL & GROUNDWATER SAMPLE)
- BORINGS SAMPLED NOT ANALYZED
- △ POST EXCAVATION
- ◆ STAFF GAUGES
- ◆ MONITORING WELL - SHALLOW (INSTALLED BY OTHERS)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY OTHERS)
- ⊕ WELL - ABANDONED
- SECTION LINE
- - - - - APPROXIMATE WATERSHED BOUNDARY (GROUNDWATER DIVIDE)
- GROUNDWATER FLOW DIRECTION

WESTCHESTER COUNTY AIRPORT		
WESTCHESTER	NEW YORK	
SAMPLE LOCATION AREA SECTION 2		
FIGURE	4	DRAWN STR
		CHKD. SRG
		SCALE 1"=200'
		DATE 2/9/01
		DATE
FIRST ENVIRONMENT		
RIVERDALE	NEW JERSEY	

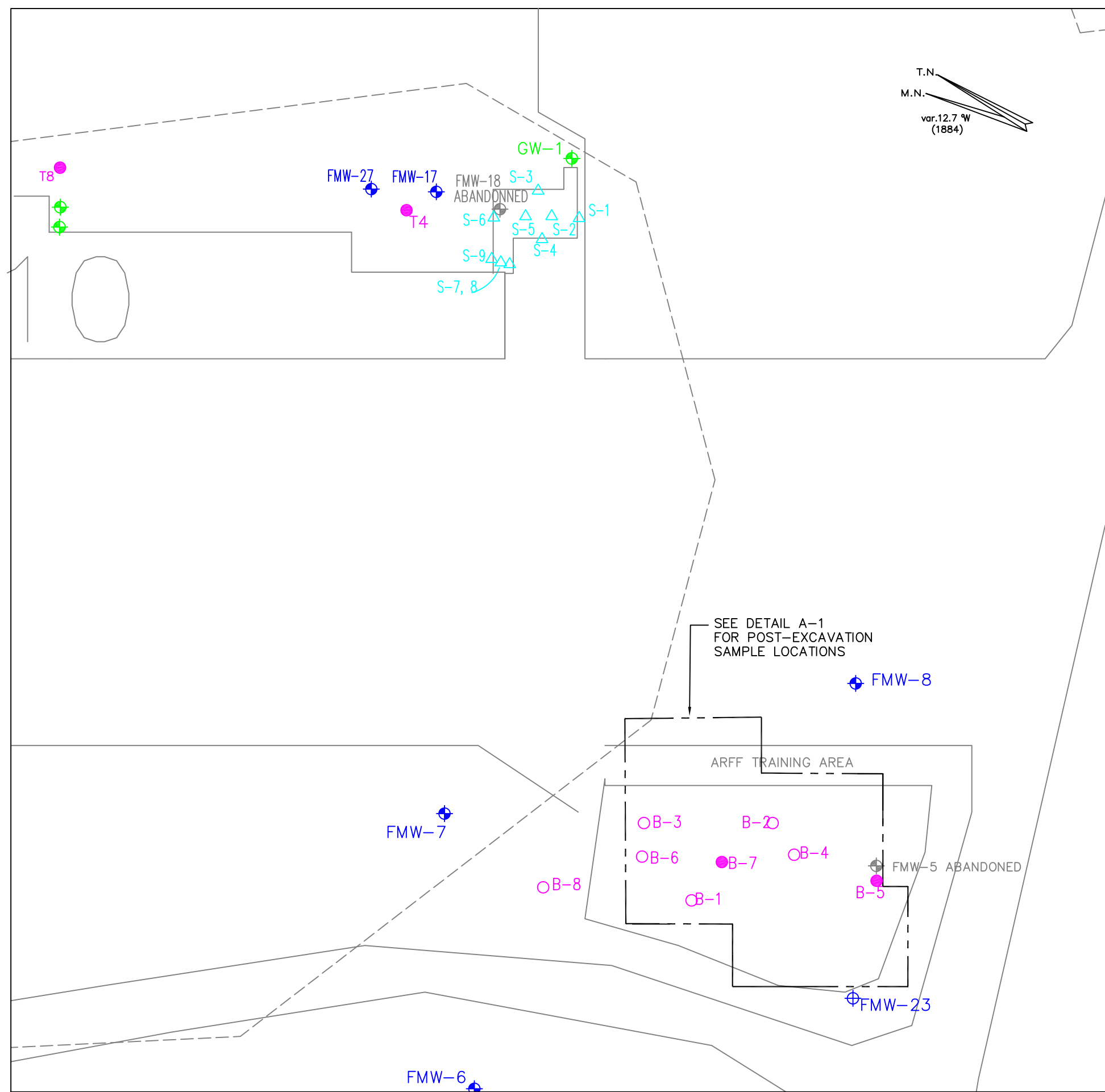
S:\Drawings\westchester\airport\westch_figures\westch-FIG5-SECS3.dwg 02/16/2001 09:41:36 AM EST



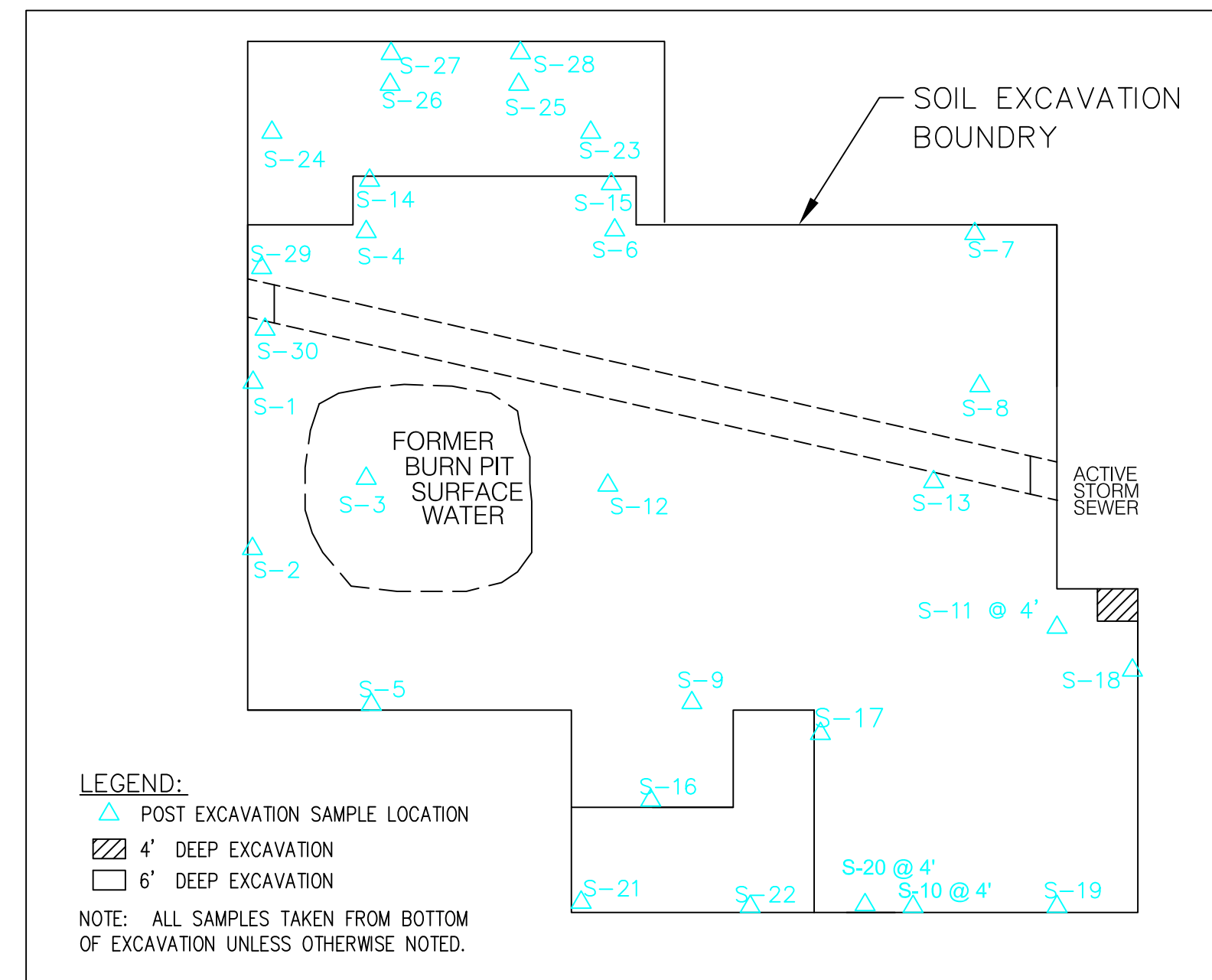
LEGEND

- ◆ MONITORING WELL - SHALLOW (INSTALLED BY FIRST ENVIRONMENT)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY FIRST ENVIRONMENT)
- GEOPROBE - (SOIL SAMPLE)
- GEOPROBE - (GROUNDWATER SAMPLE)
- GEOPROBE - (SOIL & GROUNDWATER SAMPLE)
- △ POST EXCAVATION
- ◆ STAFF GAUGES
- ◆ MONITORING WELL - SHALLOW (INSTALLED BY OTHERS)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY OTHERS)
- ⊕ WELL - ABANDONED
- SECTION LINE
- - - - - APPROXIMATE WATERSHED BOUNDARY (GROUNDWATER DIVIDE)
- GROUNDWATER FLOW DIRECTION

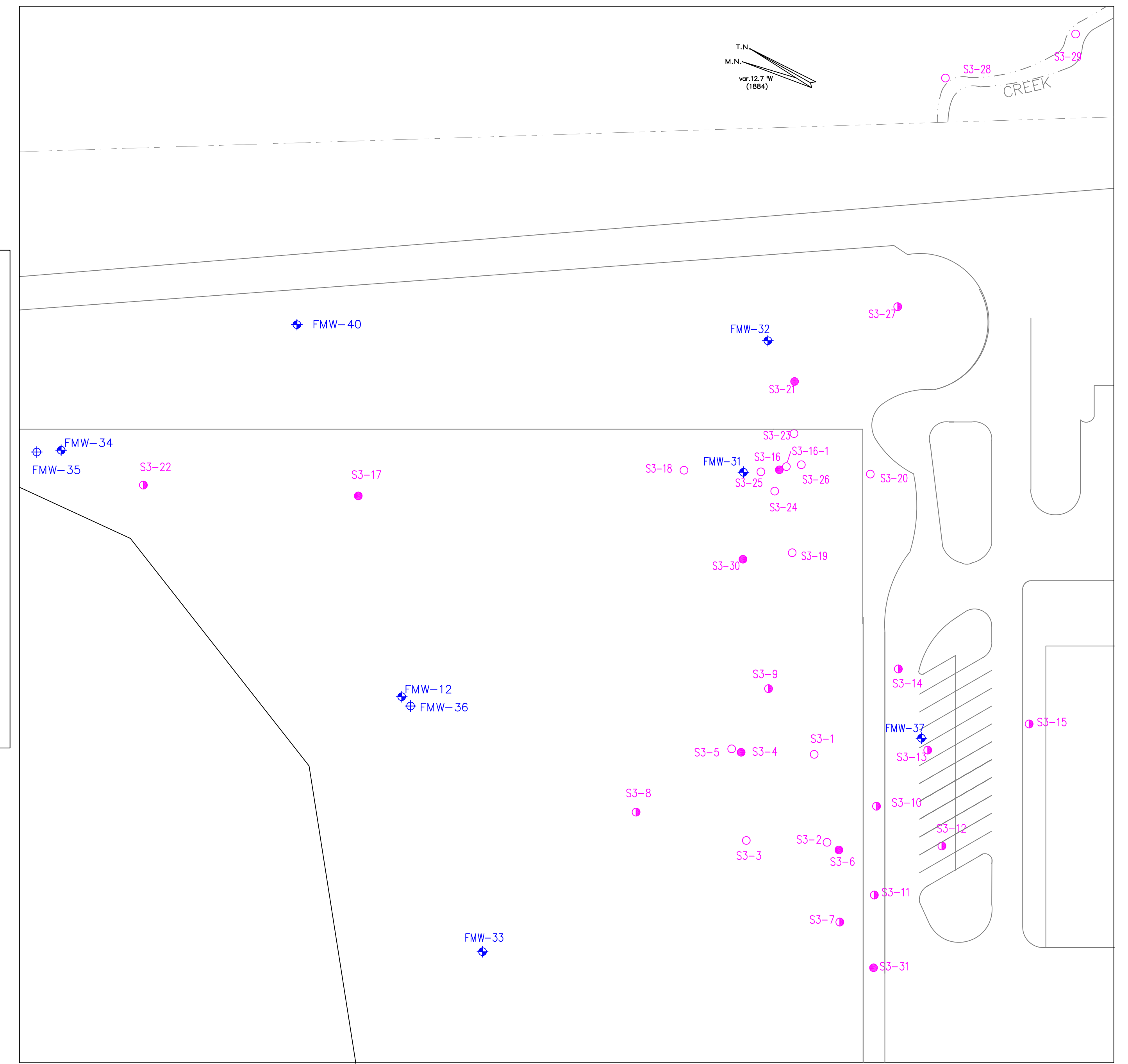
WESTCHESTER COUNTY AIRPORT			
WESTCHESTER		NEW YORK	
SAMPLE LOCATION AREA SECTION 3			
FIGURE	5	DRAWN STR	CHKD. SRG/TE
		SCALE 1"=200'	
		DATE 2/9/01	DATE
FIRST ENVIRONMENT		NEW JERSEY	



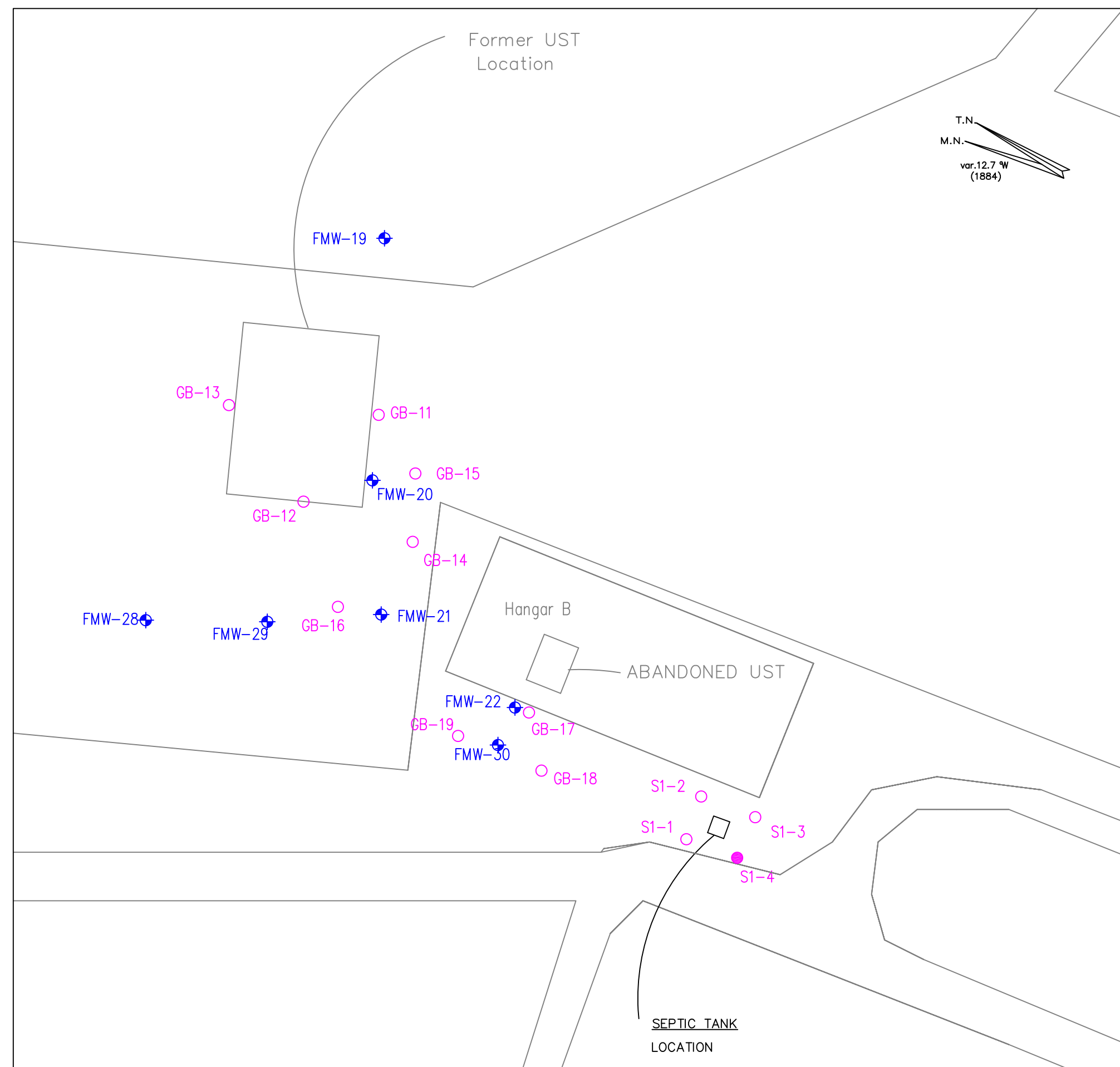
DETAIL AREA A
SCALE: 1"=50'



DETAIL AREA A-1
SCALE: 1"=20'



DETAIL AREA B
SCALE: 1"=50'



DETAIL AREA C
SCALE: 1"=50'

LEGEND

- ◆ MONITORING WELL - SHALLOW (INSTALLED BY FIRST ENVIRONMENT)
- ⊕ MONITORING WELL - DEEP (INSTALLED BY FIRST ENVIRONMENT)
- GEOPROBE - (SOIL SAMPLE)
- GEOPROBE - (GROUNDWATER SAMPLE)
- GEOPROBE - (SOIL & GROUNDWATER SAMPLE)
- △ POST EXCAVATION
- ◆ MONITORING WELL - SHALLOW (INSTALLED BY OTHERS)
- ⊕ WELL - ABANDONED

WESTCHESTER COUNTY AIRPORT		
WESTCHESTER	NEW YORK	
DETAIL AREAS A, A1, B & C		
FIGURE	DRAWN STR	CHKD. SRG/TE
6	SCALE AS SHOWN	
	DATE 2/9/01	DATE

-Draft-
 First Environment
 Soil Groundwater Area Sample Location Matrix
 Sampling Activities 1999-2000

Area Number	Area of Concern	Groundwater							Soil							Reference Table	
		VOCs	SVOC	PCBs	Metals	Pesticides	Sample Number	Sample Locations	VOCs	SVOCs	PCBs	Metals	Pesticides	Sample Number	Sample Locations		Spill Number
1	Hanger F Former UST															9811557	
2	Hanger C-1 Fuel Soil															9104044	
3	Terminal Aircraft Apron	x	x				1	GB-6W	x	x				1	GB-6	97602235	Table 3
4	Former Car Rental Facility															9310461	
5	Hanger D-3 Former USTs															9406172	
6	Hanger D-3 Former USTs															9809248	
7	Hanger D-2 Former USTs															9407976	
8	Hanger D-1, Bay 2																ExxonMobil Invest.
9	Hanger D-1, Bay 1															9813569	Malcolm Pirnie
10	Hanger D Pump House															9805002	
11	Fuel Tank Farm															9006411	
12	Fuel Tank Farm															9309928	
13,14,15	Former Service Station														9811558;98006992;9108093;9811676		
16	Fuel Tank Farm																
17	Building 5 UST	x	x				1	GW-5W	x	x				1	GW-5W	9912674	Table 4
18	Old National Guard Fuel Farm																
19	Old National Guard Tank UST	x	x				3	DPW-1,2,3	x	x				3	DPW-1, 2, 3	9011175	Table 5
20	Building 3 Former UST	x	x				1	FMW-9	x	x				3	GB-9,10,FMW9	9100237	Table 6a,b
21	Building 1	x	x				3	GB-2W, MW-1	x	x				1	GB-1, GB-2, GB-3	9300724	Table 7a 7b
22	Building 1 Former UST	x	x				1	GBW-4W							9713222	Table 7b	
23	Maintenance Building																
24	Former Air National Guard Dump	x	x	x	x	x	5	GB-20,21,24, GB-25 to GB-31	x	x	x	x	x	5	GB-20 to GB-24		Table 8a,b
	Downgradient of Area 24 (Table 9)	x	x	x	x	x	7	GB-25 to GB-31									Table 9
	Downgradient of Area 24 (Table 10)	x	x	x	x	x	4	FMW-13 to FMW-16									Table 10
25	ARFF Burn Pit	x	x				33	B-5,B-7, Pond, S-1 to S-30	x	x				7	B-5,B-7,FMW-5,6,7,8,23	9911702	Table 11b,12 13A
26,27	Hanger B	x	x				7	FMW-19-22,28,29,30	x	x				10	G11-G19	9015 & 9811689	Table 14A,B
28	Old Maintenance Building UST															9611948	
29	Department of Public Works Dump Area	x	x	x	x	x	3	GE-MW-1 to 3									Table 15
30	NYSDOT Landfill																
31	FAA Control Tower UST															9010102	
32	Septic #1	x	x				1	SW1-4W	x	x				4	S1-1 to S1-4		Table 16A
33	Septic #2	x	x				1	SW2-4W	x	x				4	S2-1 to S1-4	9611948	Table 17A
34	Septic #3	0	x	x			18+9	S3--4W....FMW-12,31,32,33,34,35,36,37	x	x				21	S3-1 to S3-28		Table 18A,18B, 19
35	Septic #4		x	x			2	S4-1W,S4-5W,	x	x				6	S4-1 to S4-6		Table 20
36	Building 10	x	x	x	x	x	4	GW-1, FMW-17, FMW-18, FMW-27	x	x				10	S1 to S9, FMW-17	no. 0000994	Table 21A,B
37	Building 4 Former Motor Pool	x	x				2	T-3W,BLDS-4	x	x				2	T-3		Table 22A, B
38	Wiegth & Measures Bldg.	x	x				3	GB-40W,42W,44W	x	x				7	GB-40, 43-48	no. 0008724	Table 23A,B
39	General Coverage	x	x	x	x	x	5	FMW-10,11,24,25,26	ns	ns	ns	ns	ns		FMW-10,11,24,25,26		Table 26
40	Suspected "Landfill" Mound									x	x	x	x	3	TP-1, TP-5, TP-7		

Red designates areas where samples were actually collected by First Environment

-Draft-
 First Environment
 Soil Groundwater Area Sample Location Matrix
 Sampling Activities 1999-2000

Tank Area Number	Area of Concern	Groundwater							Soil							Reference Table	
		VOCs	SVOC	PCBs	Metals	Pesticides	Sample Number	Sample Locations	VOCs	SVOCs	PCBs	Metals	Pesticides	Sample Number	Sample Locations		
T-1	Airfield Blockhouse	x	x				1		x	x				1		no. 0009172	Table 25A, Table 25B
T-2	Building 2 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-3	Building 4 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-4	Building 10 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-5	Building 10 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-6	Building 10 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-7	Building 10 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-8	Building 10 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-9	Building 11 Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-10	Hanger 26 Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-11	Hanger 6 Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-12	Former UST	x	x				1		x	x				1			Table 25A, Table 25B
T-13	Hanger A Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-14, T-15, T-16	Hanger C-2 Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-17	Hanger C-2 Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-18	Hanger D Boiler Room Former /Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-19	Hanger D Skv Port Former UST								x	x				1			Table 25A, Table 25B
T-20	Hanger D Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-21	Hanger E Former and Existing USTs	x	x				1		x	x				1			Acardis
T-22	Hanger E Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-23	Hanger E Former and Existing USTs	x	x				1		x	x				1			Table 25A, Table 25B
T-24	Hanger G Former UST								x	x				1			Table 25A, Table 25B
T-25	Hanger G Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-26	Hanger G Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-27	Hanger G Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-28	Hanger G Former UST								x	x				1			Table 25A, Table 25B
T-29	Terminal Building Former and Existing USTs								x	x				1			Table 25A, Table 25B
T-30	Hanger 6 Suspected UST	x	x				1		x	x				1			Table 25A, Table 25B
T-31	Hanger F Suspected UST								x	x				1			Table 25A, Table 25B

Red designates areas where samples were actually collected by First Environment.