REPORT

30-Day Test Report: August 2, 2005 – September 1, 2005

Former Unisys Facility
Off-Site Interim Remedial Measure
Great Neck, New York

NYSDEC Site ID #130045

November 2005

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

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1. Introduction

This report was prepared to meet the reporting requirements specified in the *Off-Site Interim Remedial Measure (IRM) Work Plan* dated December 2, 2002 for the Off-Site Remediation System at the former Unisys facility located in Great Neck, New York and the *Site Access and Licensing Agreement* between Lockheed Martin Corporation (LMC) and the Great Neck Union Free School District (Great Neck UFSD) dated April 14, 2003. A site location map is provided on Figure 1.

This report is the third testing report prepared for the Off-Site Remediation System and summarizes a 30-day test conducted from August 2 to September 1, 2005. Previous testing activities, including initial 1-day, 5-day and 4-week testing plus a 90-day test, were conducted at the facility during 2004 and 2005. These activities were summarized in the *Initial Testing Report: July-October 2004* (ARCADIS G&M, Inc. [ARCADIS], 2005a) and the *90-Day Testing Report: December 2004-March 2005* (ARCADIS, 2005b).

Vinyl chloride was non-detect during both initial testing and the 90-day test in the influent water to the Off-Site Remediation System. However, vinyl chloride was detected in the discharge air stack at levels below the New York State Department of Environmental Conservation (NYSDEC) short-term guideline concentration (SCG), but greater than the Non-Detect Performance Standards in the *Off-Site IRM Work Plan* and *Site Access and Licensing Agreement.*

Prior to the start of the 30-day test that is the subject of this report, the Off-Site Remediation System was modified to include potassium permanganate zeolite (PPZ) units downstream of the vapor-phase granular activated carbon (VPGAC) units. The results of the 30-day test, presented herein, confirm that the Non-Detect Performance Standards in the *Off-Site IRM Work Plan* and *Site Access and License Agreement* are now being met for vinyl chloride.

2. System Description

The Off-Site Remediation System consists of the following major components:

- One groundwater recovery well, RW-100, located and designed to efficiently capture and contain off-site groundwater impacted with volatile organic compounds (VOCs);

- An air stripper system designed to reduce the concentration of VOCs in extracted groundwater to Non-Detect Performance Standards in accordance with the *Off-Site IRM Work Plan and Site Access and Licensing Agreement* with the Great Neck UFSD;

- Three diffusion wells (DW-100, DW-101, and DW-102) located and designed to re-inject treated water back into the Magothy aquifer and prevent the further migration of off-site VOC-impacted groundwater; and

- An air stripper off-gas (i.e., vapor) treatment system designed to reduce constituents of concern within effluent vapor to Non-Detect Performance Standards in accordance with the *Off-Site IRM Work Plan and Site Access and Licensing Agreement* with the Great Neck UFSD.

A site plan of the Off-Site Remediation System is shown on Figure 2.

During operation, VOC-impacted groundwater is extracted from the Magothy aquifer, pumped to the Off-Site Remediation System for treatment, and re-injected into the aquifer. Specifically, groundwater is pumped from recovery well RW-100 through two air strippers, which are arranged in a series configuration, to remove VOCs from the groundwater. Treated groundwater is then pumped through an underground pipeline to diffusion wells DW-100, DW-101 and DW-102 where it is returned to the aquifer.

During the air stripping process, VOCs are transferred from the water entering the top of the air strippers to the counter-current air stream which enters from the bottom of the air strippers. Initially, the air stripper off-gas vapor was then treated by four emission control units, which were arranged in a series configuration, filled with VPGAC for the removal of VOCs prior to discharge to the atmosphere. However, during previous testing, vinyl chloride was detected at concentrations slightly above the Non-Detect Performance Standard. As a result, the fourth, and smallest, VPGAC unit was taken out of service and two PPZ units were installed downstream of the three VPGAC units. The PPZ units, which are arranged in a series configuration, were installed to reduce the concentration of vinyl chloride within the vapor stream to non-detect concentrations via chemical oxidation.

Following installation of the PPZ units and change out of the carbon in the lead VPGAC unit in April 2005, a 30-day test of the Off-Site Remediation System was started. However, due to control issues, the testing was suspended after five days of operation.

On July 7 and 8, 2005, BBL Environmental Services, Inc. (BBLES) discharged approximately 60,000 gallons of partially treated water remaining in the clear wells following the April 2005 testing to the Nassau County Department of Public Works sanitary sewer. The clear wells were then refilled to about the same levels with potable water. In July 2005, extensive testing of the treatment system controls was conducted by recirculating the potable water through the air strippers.

Additionally, during July 2005, BBLES completed the following improvements to the system:

1. Hard wiring of back-up alarm signals from critical inputs, including:

- Well vault - high level;
- Influent vault - high, high level;
- Pipeline - high annulus pressure;
- Clear wells 1 and 2 - high and low levels;
- Building floor - flooding alarm;
- Blower - low discharge pressure and low air flow;
- Duct heater - high temperature; and
- Primary programmable logic controller (PLC) malfunction.

2. Installing a back-up PLC with fail-safe logic to shutdown the entire treatment system independent of the primary PLC. In addition, the back-up PLC will trigger this shutdown in the event of failure of either the primary or back-up PLC.

3. Installing transient voltage surge suppressors (TVSS) on the incoming electrical service, PLC power supply, and electrical and control wiring for service to process equipment.

4. Installing an external grounding grid to provide supplemental grounding.

5. Installing a dedicated autodialer to replace the PLC-based notification system.

6. Installing an Allen Bradley SLC 5/05 controller and an Ethernet switch to upgrade the control communications.

7. Leak testing of air emissions control piping.

Following upgrade activities, the Off-Site Remediation System was restarted on July 28, 2005 to conduct a 30-day test. However, the system shutdown the same day due to a problem with a faulty TVSS that protects the equipment within the recovery well RW-100 well vault. Upon further evaluation of the system, BBLES completed the following activities:

- Temporarily removing the TVSS at recovery well RW-100;

- Re-programming the PLC to properly annunciate the high water alarm condition in the recovery well RW-100 well vault;

- Installing an uninterruptible power supply to help provide better power quality; and

- Installing new analog pressure transmitters.

Following these additional improvement activities, BBLES restarted the Off-Site Remediation System on August 2, 2005 to initiate the 30-day testing period.

3. Summary of Testing Activities: August 2 through September 1, 2005

The 30-day test was initiated on August 2, 2005 and was completed on September 1, 2005. Activities conducted during the 30-day test consisted of the following:

- System inspection by treatment plant operators located on-site 24-hours a day for the duration of the 30-day test;
- Collecting five compliance water samples on the treated water effluent from the second air stripper (WSP-3) on August 3, 8, 16, 25, and 31, 2005;
- Collecting five water samples on the influent to the first air stripper (WSP-1) on August 3, 8, 16, 25, and 31, 2005;
- Collecting two water samples between the air strippers (WSP-2) on August 8 and 25, 2005;
- Collecting eight compliance vapor samples on the discharge to atmosphere from the second PPZ unit (VSP-8) on August 3, 5, 8, 11, 16, 18, 25, and 31, 2005;
- Collecting eight sets of vapor samples on the inlet to the first VPGAC unit (VSP-1), discharge from the first VPGAC unit (VSP-2), discharge from the second VPGAC unit (VSP-3), discharge from the third VPGAC unit (VSP-4), and discharge from the first PPZ unit (VSP-7) on August 3, 5, 8, 11, 16, 18, 25, and 31, 2005;
- Collecting vapor samples on August 31, 2005 from near the bottom (at about the 40% media depth), middle (at about the 80% media depth) and top (above the media near the discharge) of the first PPZ unit; and
- Collecting ambient air samples from the intake duct to the air strippers and north of the PPZ units on August 30, 2005 (during operation) and September 1, 2005 (after the 30-day test was completed).

A summary of vapor and water sample results obtained during the 30-day test are presented in Tables 1 through 11. Prior to initiating the 30-day testing period, pre-test water and vapor samples were collected during the brief operation on July 28, 2005 and that data is also presented in the tables. The water and air sample locations and designations are shown on Figure 3.

4. Results

As shown on Table 1, there are several VOCs present in the groundwater from recovery well RW-100. The first group of compounds was anticipated and the treatment plant was designed to reduce the concentrations to meet the Non-Detect Performance Standards in the *Off-Site IRM Work Plan* and *Site Access and Licensing Agreement* with the Great Neck UFSD. The VOCs that were consistently detected include the following: 1,1-dichloroethene (1,1-DCE); 1,1-dichloroethane (1,1-DCA); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); chloroform; trichloroethene (TCE); tetrachloroethene (PCE); and trichlorotrifluoroethane (Freon 113). The second group of VOCs were not anticipated or addressed in the *Off-Site IRM Work Plan* and *Site Access and Licensing Agreement* with the Great Neck UFSD. Compounds in the second group are dichlorodifluoromethane (Freon 12) and chlorodifluoromethane (Freon 22).

Table 3 shows that all the VOCs, including those in both groups described above, are effectively removed from the water by the air strippers. The water being reinjected into the ground via the diffusion wells contained no detectable concentrations of VOCs, thus meeting the Non-Detect Performance Standards in the *Off-Site IRM Work Plan* and *Site Access and Licensing Agreement* with the Great Neck UFSD.

While the system meets the Non-Detect Performance Standards for the vast majority of the compounds tested, Table 9 shows that 8 compounds were discharged to atmosphere at very low concentrations during one or more of the eight sampling events. However, the 8 compounds were either intermittently detected, were in the ambient air, appeared to be associated with the laboratory analytical procedure or appeared to be the result of residual contamination in the PPZ units. Chloromethane and methylene chloride were found sporadically, although they were not consistently detected in the influent water to the air strippers. Similarly, 1,2-dichlorobenzene, methyl ethyl ketone, and chlorotrifluoroethene (CTFE) were also intermittently detected. CTFE is a tentatively identified compound (TIC) that was only found during one sampling event, so the actual presence of this compound in the vapor being discharged to atmosphere is questionable. Additionally, Freon 12 and Freon 22 were both consistently detected in the vapor discharge, but both of those VOCs were present in the influent water to the air strippers. Freon 22 is also a TIC. Lastly, 2-chlorotoluene was consistently detected in the vapor discharge.

5. Discussion

During the 30-day test, the treatment plant had only minor operating problems and the system was shut down without incident whenever the PLC detected an operating condition requiring shut down. Once operating personnel investigated the cause of the shut down and confirmed the condition requiring shut down was no longer present, the treatment system was restarted. The water being reinjected into the ground via the diffusion wells contained no detectable concentrations of VOCs, thus meeting the Non-Detect Performance Standards in the *Off-Site IRM Work Plan* and *Site Access and Licensing Agreement* with the Great Neck UFSD. Additionally, with the exception of chloromethane and methylene chloride that are discussed below, the vapor discharge also met the Non-Detect Performance Standards in the *Off-Site IRM Work Plan* and *Site Access and Licensing Agreement* with the Great Neck UFSD. Vinyl chloride was not detected in the vapor discharge to atmosphere during any of the 8 sampling events. The effectiveness of the PPZ to remove vinyl chloride was confirmed during the 30-day test.

Chloromethane was present in 2 of the 8 sampling events of the air discharge from the treatment plant at similar concentrations as in ambient air samples collected following the 30-day test (see Tables 9 and 11) and during the previous ambient air sampling prior to the 5-day and 4-week tests (see Attachment A). Because the ambient levels are higher than the Non-Detect Performance Standards, it is not practical to meet the standard that is cleaner than the ambient air. Even though the compound is present, Table 12 shows that the discharge of chloromethane in the vapor discharge to atmosphere is well below the SGC and annual guideline concentration (AGC) established by the NYSDEC.

Methylene chloride is a common laboratory contaminant due to its extensive use in analytical extraction processes. While methylene chloride was detected in 2 of the 8 sampling events, the presence was likely due to laboratory contamination and not present in the air discharge.

Similar to the previous testing, Freon 12 and Freon 22 were consistently detected in the vapor discharge to atmosphere. This is discussed in the *Initial Testing Report: July-October 2004* (ARCADIS, 2005a) and the *90-Day Testing Report: December 2004-March 2005* (ARCADIS, 2005b). The Freon 12 was also present at similar concentrations in ambient air samples collected as part of the 30-day test (see Tables 9 and 11) and in previous ambient air sampling conducted prior to the 5-day and 4- week tests (see Attachment A). The source of the Freon 22 appears to originate in the groundwater being pumped to the air stripper. ARCADIS extensively investigated treatment technologies for the Freon compounds at the very low levels being detected. The results of the investigation show that viable, proven treatment technologies do not exist at this time. As shown on Table 12, the discharges of Freon 12 and Freon 22 are well below the AGCs established by NYSDEC. There are no SGCs established by NYSDEC for these compounds. Additionally, air modeling conducted by ARCADIS demonstrated that the concentration of Freon 22 will be several orders of magnitude below NYSDEC standards by the time this compound reached the school district property and residential areas and, therefore, will be undetectable by the analytical method used. Similar results would be expected for Freon 12.

There were three VOCs, 1,2-dichlorobenzene, methyl ethyl ketone and 2-chlorotoluene, detected in the vapor discharge to atmosphere during the 30-day test that were not identified during previous testing. In the vapor discharge (VSP-8), methyl ethyl ketone was detected during only the second of the 8 sampling events, while 1,2-dichlorobenzene was detected in the two of the first three sampling events. Methyl ethyl ketone was only detected at one other sampling location (VSP-1) during a different sampling event than it was detected in the vapor discharge. The 1,2-dichlorobenzene was never detected at any other sample locations. The 2-chlorotoluene was detected in all 8 sampling events in the vapor discharge (VSP-8), but the concentration near the end of the test was less than ½ of the concentration at the start of the test. The 2-chlorotoluene was only

detected in the first three sampling events in the discharge from the first PPZ unit (VSP-7) and was not detected at any other sample location.

The exact source of these compounds is not known, but is likely related to the PPZ units either by a residue from a previous use of the PPZ vessel, the PPZ resin itself or gasket/sealing compounds used to seal access ports. On a Material Safety Data Sheet for one of the compounds used to seal the PPZ vessel, toluene was one of the compounds listed. All three of these compounds are used as solvents related to synthetic rubbers, such as gaskets, and plastics. The fact that these compounds were not consistently detected in any of the air sampling locations prior to the PPZ units confirm that they were not present in the groundwater. Methyl ethyl ketone and 1,2-dichlorobenzene were not detected in any of the last 5 sampling events. The concentration of 2-chlorotoluene decreased over time through the test and was present at just above the method detection limit near the end of the test. Additionally, as shown on Table 12, the discharges of 1,2-dichlorobenzene, methyl ethyl ketone and 2-chlorotoluene are well below the AGCs established by NYSDEC. The discharges of 1,2-dichlorobenzene and methyl ethyl ketone are also well below the SGCs established by NYSDEC. There is no SGC established by NYSDEC for 2-chlorotoluene. As was the case with modeling done by ARCADIS for Freon 22, the concentration of these three compounds will be several orders of magnitude below NYSDEC standards by the time they reached the school district property and residential areas and, therefore, will be undetectable by the analytical method used.

6. Next Steps

Numerous modifications and upgrades are currently being implemented at the Off-Site Remediation System. These modifications and upgrades include the following major activities:

- Relocate and upgrade the control system;
- Install new PPZ units;
- Install security and remote telemetry systems; and
- Miscellaneous other mechanical, electrical and control upgrades.

These modifications were initiated following the 30-day test. Most of these items will be completed and the control system will be tested in November 2005. The new PPZ units will be installed in a permanent location closer to VPGAC units in November 2005. Normal treatment system operations will resume at the completion of this work. The Great Neck UFSD will be notified, in writing, of the exact start date two weeks prior to the resumption of normal treatment system operations. The treatment system will be operated, maintained, and monitored in accordance with the specifications of the NYSDEC-approved *Off-Site IRM Work Plan*, *Performance and Design Modification (PADM) Plan, Operation, Maintenance and Monitoring (OM&M) Manual*, and *Contingency Plan*, including ongoing application of the Non-Detect Performance Standards. A schedule of sampling will be provided to the Great Neck UFSD at least 5 business days prior to the samples' collection.

Once the system is in normal operations, monthly reports will be submitted to NYSDEC through June 2006. Subsequent reports will be submitted to NYSDEC on a quarterly basis. Copies of all reports will be submitted to Great Neck USFD.

7. References

ARCADIS 2005a. *Initial Testing Report*: July-October 2004 Off-Site Interim Remedial Measure, Former Unisys Facility, Great Neck, New York. NYSDEC ID #130045.

ARCADIS 2005b. *90-Day Testing Report*: December 2004-March 2005 Off-Site Interim Remedial Measure, Former Unisys Facility, Great Neck, New York. NYSDEC ID #130045.

Tables

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TABLE 1

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST WATER SAMPLING RESULTS

Constituents	Method Detection Limit (µg/L)	Tower 1 Influent WSP-1 (µg/L)					
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/8/2005 Day 6	8/16/2005 Day 14	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District							
Chloromethane	10	ND	ND	ND	3	ND	ND
Bromomethane	10	ND	ND	ND	ND	ND	ND
Vinyl Chloride	10	ND	ND	ND	ND	ND	ND
Chloroethane	10	ND	ND	ND	ND	ND	ND
Methylene Chloride	35	ND	35	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Carbon Disulfide	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	10	1	ND	ND	3	4	3
1,1-Dichloroethane	10	2	ND	ND	1	ND	1
1,2-Dichloroethene (total)	--	1053	1018	1115	1109	1207	1108
cis-1,2-Dichloroethene	10	1000	1000	1100	1100	1200	1100
trans-1,2-Dichloroethene	10	53	18	15	9	7	8
2-Butanone	20	ND	ND	ND	ND	ND	ND
Chloroform	10	1	ND	1	1	1	1
1,2-Dichloroethane	10	ND	ND	ND	1	ND	ND
1,1,1-Trichloroethane	10	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	10	ND	ND	ND	ND	ND	ND
Bromodichloromethane	10	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10	ND	ND	ND	0.8	ND	ND
cis-1,3-Dichloropropene	10	ND	ND	ND	ND	ND	ND
Trichloroethene	140	190	140	170	180	170	150
Benzene	10	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10	ND	ND	ND	0.5	ND	ND
Bromoform	10	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	10	ND	ND	ND	ND	ND	ND
2-Hexanone	10	ND	ND	ND	ND	ND	ND
Tetrachloroethene	170	210	170	200	200	210	210
1,1,2,2-Tetrachloroethane	10	ND	ND	ND	ND	ND	ND
Toluene	10	ND	ND	ND	ND	ND	ND
Chlorobenzene	10	ND	ND	ND	ND	ND	ND
Ethylbenzene	10	ND	ND	ND	ND	ND	ND
Styrene	10	ND	ND	ND	ND	ND	ND
Xylene (total)	10	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	10	38	30	41	34	43	36

TABLE 1

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST WATER SAMPLING RESULTS

Constituents	Method Detection Limit (µg/L)	Tower 1 Influent WSP-1 (µg/L)					
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/8/2005 Day 6	8/16/2005 Day 14	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents							
Trichlorofluoromethane (Freon 11)	10	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	10	ND	ND	ND	0.3	ND	ND
1,1-Difluoroethane (Freon 152a)	10	ND	ND	ND	ND	ND	ND
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	10	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane (Freon 22)	10	5	ND	5	7	5	5
Chloropentafluoroethane (Freon 115)	10	ND	ND	ND	ND	ND	ND
Tentatively Identified Compounds							
1-Bromo-2-Ethylbenzene	No MDL	--	--	--	--	--	--
Bromobenzene	No MDL	--	--	--	--	--	--
Chlorotrifluoroethane (HCFC-133)	No MDL	--	--	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--	--	--
Chlorotrifluoroemethane (Freon 13)	No MDL	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	10	--	--	--	--	8
Trifluoromethane (Freon 23)	No MDL	--	--	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Statement of Work (SOW) Organic Leachate Model (OLM) 04.2 as per New York State Department of Environmental Protection (NYSDEC) Analytical Services Protocol (ASP) 2000-1.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11, 12, 152a, 123, 22 and 115.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per liter (µg/L).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. Each constituent MDL for sample location WSP-1 is from USEPA SOW OLM O4.2 as per NYSDEC ASP 2000-1.
7. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated.
8. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 2

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST WATER SAMPLING RESULTS

Constituents	Method Detection Limit (µg/L)	Tower 1 Effluent WSP-2 (µg/L)		
		7/28/2005 Pre-Test	8/8/2005 Day 6	8/25/2005 Day 23
Constituents Required by the Great Neck Union Free School District				
Chloromethane	1	3	ND	ND
Bromomethane	1	ND	ND	ND
Vinyl Chloride	1	ND	ND	ND
Chloroethane	1	ND	ND	ND
Methylene Chloride	1	ND	ND	ND
Acetone	5	ND	ND	ND
Carbon Disulfide	1	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND
1,1-Dichloroethane	1	ND	ND	ND
1,2-Dichloroethene (total)	--	1	2	3
cis-1,2-Dichloroethene	1	1	2	3
trans-1,2-Dichloroethene	1	ND	ND	ND
2-Butanone	2	ND	ND	ND
Chloroform	1	ND	ND	ND
1,2-Dichloroethane	1	ND	ND	ND
1,1,1-Trichloroethane	1	ND	ND	ND
Carbon Tetrachloride	1	ND	ND	ND
Bromodichloromethane	1	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
cis-1,3-Dichloropropene	1	ND	ND	ND
Trichloroethene	1	ND	ND	ND
Benzene	1	ND	ND	ND
Dibromochloromethane	1	ND	ND	ND
trans-1,3-Dichloropropene	1	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Bromoform	1	ND	ND	ND
4-Methyl-2-Pentanone	1	ND	ND	ND
2-Hexanone	1	ND	ND	ND
Tetrachloroethene	1	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND
Toluene	1	ND	ND	ND
Chlorobenzene	1	ND	ND	ND
Ethylbenzene	1	ND	ND	ND
Styrene	1	ND	ND	ND
Xylene (total)	1	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	1	ND	ND	ND

TABLE 2

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST WATER SAMPLING RESULTS

Constituents	Method Detection Limit (µg/L)	Tower 1 Effluent WSP-2 (µg/L)		
		7/28/2005 Pre-Test	8/8/2005 Day 6	8/25/2005 Day 23
Additional Constituents				
Trichlorofluoromethane (Freon 11)	0.1	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	0.3	ND	ND	ND
1,1-Difluoroethane (Freon 152a)	0.4	ND	ND	ND
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	0.4	ND	ND	ND
Chlorodifluoromethane (Freon 22)	0.3	ND	ND	ND
Chloropentafluoroethane (Freon 115)	0.6	ND	ND	ND
Tentatively Identified Compounds				
1-Bromo-2-Ethylbenzene	No MDL	--	--	--
Bromobenzene	No MDL	--	--	--
Chlorotrifluoroethane (HCFC-133)	No MDL	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--
Chlorotrifluoroemethane (Freon 13)	No MDL	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--
Trifluoromethane (Freon 23)	No MDL	--	--	--
Trimethylsilanol	No MDL	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Statement of Work (SOW) Organic Leachate Model (OLM) 04.2 as per New York State Department of Environmental Protection (NYSDEC) Analytical Services Protocol (ASP) 2000-1.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11, 12, 152a, 123, 22 and 115.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per liter (µg/L).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, equals 1 µg/L, except for acetone and 2-butanone, for which the MDLs are 5 µg/L and 2 µg/L, respectively.
7. Additional constituent MDLs from USEPA SOW OLM O4.2 as per NYSDEC ASP 2000-1.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated. Therefore, TIC concentrations can only be estimated. The -- indicates the TIC was not identified.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 3
FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST WATER SAMPLING RESULTS

Constituents	Non-Detect Performance Standard (µg/L)	Tower 2 Effluent WSP-3 (µg/L)					
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/8/2005 Day 6	8/16/2005 Day 14	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District							
Chloromethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (2)	ND (ND)
Bromomethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Vinyl Chloride	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Chloroethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Methylene Chloride	1	ND (1)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Acetone	5	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Carbon Disulfide	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,1-Dichloroethene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,1-Dichloroethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,2-Dichloroethene (total)	--	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
cis-1,2-Dichloroethene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
trans-1,2-Dichloroethene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
2-Butanone	2	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Chloroform	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,2-Dichloroethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,1,1-Trichloroethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Carbon Tetrachloride	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Bromodichloromethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,2-Dichloropropane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
cis-1,3-Dichloropropene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Trichloroethene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Benzene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Dibromochloromethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
trans-1,3-Dichloropropene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,1,2-Trichloroethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Bromoform	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
4-Methyl-2-Pentanone	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
2-Hexanone	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Tetrachloroethene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,1,2,2-Tetrachloroethane	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Toluene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Chlorobenzene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Ethylbenzene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Styrene	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Xylene (total)	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Trichlorotrifluoroethane (Freon 113 or TF)	1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)

TABLE 3
FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST WATER SAMPLING RESULTS

Constituents	Method Detection Limit (µg/L)	Tower 2 Effluent WSP-3 (µg/L) 7/28/2005 Pre-Test	8/3/2005 Day 1	8/8/2005 Day 6	8/16/2005 Day 14	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents							
Trichlorofluoromethane (Freon 11)	0.1	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Dichlorodifluoromethane (Freon 12)	0.3	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
1,1-Difluoroethane (Freon 152a)	0.4	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	0.4	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Chlorodifluoromethane (Freon 22)	0.3	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Chloropentafluoroethane (Freon 115)	0.6	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)	ND (ND)
Tentatively Identified Compounds							
1-Bromo-2-Ethylbenzene	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Bromobenzene	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Chlorotrifluoroethane (HCFC-133)	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Chlorotrifluoroethene (CTFE)	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Chlorotrifluoroemethane (Freon 13)	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Dichlorofluoromethane (CFC 21)	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Dichlorotrifluoroethane (HCFC-123a)	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Trifluoromethane (Freon 23)	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)
Trimethylsilanol	No MDL	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)	-- (--)

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Statement of Work (SOW) Organic Leachate Model (OLM) 04.2 as per New York State Department of Environmental Protection (NYSDEC) Analytical Services Protocol (ASP) 2000-1.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11, 12, 152a, 123, 22 and 115.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per liter (µg/L).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The second result in ( ) is a blind duplicate.
7. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, equals 1 µg/L, except for acetone and 2-butanone, for which the MDLs are 5 µg/L and 2 µg/L, respectively.
8. Additional constituent MDLs from USEPA SOW OLM O4.2 as per NYSDEC ASP 2000-1.
9. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated. Therefore, TIC concentrations can only be estimated. The -- indicates that the TIC was not identified.
10. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 4

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 1 Inlet VSP-1 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District										
Chloromethane	130	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	97	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	220	ND	ND	ND	ND	ND	ND	ND	260	ND
1,1-Dichloroethene	99	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	--	15000	13000	14000	13000	13000	14000	14000	16000	15000
Chloroform	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	140	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	160	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	130	2400	2100	2400	2500	2100	2300	2600	2600	3100
Benzene	80	ND	ND	ND	ND	ND	ND	130	ND	ND
trans-1,3-Dichloropropene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	140	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	170	3100	2500	2700	2900	3700	2900	2300	3300	3000
1,1,2,2-Tetrachloroethane	170	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	94	ND	ND	ND	ND	ND	ND	750	310	250
Chlorobenzene	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	190	510	480	540	550	480	510	660	560	680

TABLE 4

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 1 Inlet VSP-1 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents										
Trichlorofluoromethane (Freon 11)	140	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	310	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	99	15000	13000	14000	13000	13000	14000	14000	16000	15000
1,3-Dichlorobenzene	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	470	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	270	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	170	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	190	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	200	ND	ND	ND	ND	ND	ND	370	210	ND
Acetone	1500	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Alcohol	1500	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	86	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	210	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	190	ND	ND	ND	ND	190	ND	ND	ND	ND
1,4-Dioxane	2300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	260	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	260	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	260	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	170	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	99	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	78	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Heptane	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 1 Inlet VSP-1 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Tentatively Identified Compounds										
Chlorodifluoromethane (Freon 22)	No MDL	--	25	--	--	--	--	--	--	--
Trifluoromethane (Freon 23)	No MDL	--	--	--	--	--	--	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--	--	--	--	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--	--	--	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--	--	--	--	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--	--	--	--	--	--
1-Bromo-2-Ethylbenzene	No MDL	--	--	--	--	--	--	--	--	--
Bromobenzene	No MDL	--	--	--	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--	--	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--	--	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. Each constituent MDL for sample location VSP-1 is from USEPA Method TO - 15.
7. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated.
8. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 5

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 1 Discharge VSP-2 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District										
Chloromethane	1.0	1.5	1.1	1.1	ND	ND	ND	1.4	ND	1.2
Bromomethane	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1.3	0.69	0.89	0.84	0.61	0.77	0.79	1.1	0.89	1.1
Chloroethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	2.0	2.1	1.4	1.2	0.83	ND	ND	ND	ND	ND
Chloroform	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.9	ND	ND	ND	ND	ND	1.7	ND	ND	ND
Chlorobenzene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 1 Discharge VSP-2 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents										
Trichlorofluoromethane (Freon 11)	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	4.9	5.9	5.4	5.9	4.5	5.4	7.4	5.4	6.4
cis-1,2-Dichloroethene	0.79	2.1	1.4	1.2	0.83	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Alcohol	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	18	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	15	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Heptane	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol	15	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 1 Discharge VSP-2 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Tentatively Identified Compounds										
Chlorodifluoromethane (Freon 22)	No MDL	--	23	22	--	35	34	--	19	24
Trifluoromethane (Freon 23)	No MDL	--	--	--	--	--	--	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--	--	--	--	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--	--	--	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--	--	--	--	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--	24	23	--	13	13
1-Bromo-2-Ethylbenzene	No MDL	--	--	--	--	--	--	--	--	--
Bromobenzene	No MDL	--	--	--	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--	--	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--	--	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
7. Additional constituent MDLs from USEPA TO - 15.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 6

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 2 Discharge VSP-3 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District										
Chloromethane	1.0	1.3	ND	1.1	ND	ND	ND	1.4	ND	1.2
Bromomethane	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1.3	0.95	ND	ND	0.61	0.82	0.72	1.1	0.82	1.1
Chloroethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.7	2.6	3.0	ND	ND	ND	2.1	2.4	ND	ND
1,1-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 6

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 2 Discharge VSP-3 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents										
Trichlorofluoromethane (Freon 11)	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	2.8	ND	ND	5.9	4.8	5.4	7.4	5.4	6.4
cis-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	12	15	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Alcohol	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	1.5	2.8	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	18	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.70	ND	0.88	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	15	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Heptane	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol	15	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 6

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 2 Discharge VSP-3 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Tentatively Identified Compounds										
Chlorodifluoromethane (Freon 22)	No MDL	--	16	21	--	35	34	25	20	25
Trifluoromethane (Freon 23)	No MDL	--	--	--	--	--	--	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--	--	--	--	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--	--	--	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--	--	--	--	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--	9.1	13	8.1	10	10
1-Bromo-2-Ethylbenzene	No MDL	--	--	--	--	--	--	--	--	--
Bromobenzene	No MDL	--	--	--	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--	--	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--	--	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
7. Additional constituent MDLs from USEPA TO - 15.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 7

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 3 Discharge VSP-4 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District										
Chloromethane	1.0	ND	ND	ND	ND	ND	ND	1.6	ND	1.0
Bromomethane	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1.3	1.4	1.3	1.3	0.87	ND	0.61	1.0	0.79	0.87
Chloroethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.7	1.9	ND	ND	2.7	ND	ND	2.2	ND	4.2
1,1-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 7

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 3 Discharge VSP-4 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents										
Trichlorofluoromethane (Freon 11)	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	7.4	4.9	6.9	5.4	2.6	5.4	4.9	5.4	5.9
cis-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Alcohol	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	18	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.70	1.3	ND	ND	0.81	ND	ND	ND	ND	0.85
Tetrahydrofuran	15	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Heptane	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol	15	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 7

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase GAC 3 Discharge VSP-4 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Tentatively Identified Compounds										
Chlorodifluoromethane (Freon 22)	No MDL	--	21	23	--	35	34	24	19	21
Trifluoromethane (Freon 23)	No MDL	--	--	--	--	--	--	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--	--	--	--	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--	--	--	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--	--	--	--	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--	57	42	17	5.7	6.2
1-Bromo-2-Ethylbenzene	No MDL	--	--	--	--	--	--	--	--	--
Bromobenzene	No MDL	--	--	--	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--	--	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--	--	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
7. Additional constituent MDLs from USEPA TO - 15.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 8

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase PPZ 1 Discharge VSP-7 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District										
Chloromethane	1.0	1.1	ND	ND	ND	ND	ND	1.4	ND	ND
Bromomethane	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.7	ND	ND	ND	ND	ND	ND	2.5	2.6	1.9
1,1-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.6	0.80	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.9	ND	ND	ND	ND	1.1	ND	ND	ND	ND
Chlorobenzene	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 8

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase PPZ 1 Discharge VSP-7 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents										
Trichlorofluoromethane (Freon 11)	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	6.9	7.4	6.9	5.4	ND	5.4	6.9	4.9	6.4
cis-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.2	1.3	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Alcohol	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,A204-Dioxane	18	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1.0	2.6	1.9	1.6	1.2	ND	ND	ND	ND	ND
n-Hexane	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	15	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Heptane	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol	15	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 8

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase PPZ 1 Discharge VSP-7 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Tentatively Identified Compounds										
Chlorodifluoromethane (Freon 22)	No MDL	--	22	22	--	34	35	23	18	24
Trifluoromethane (Freon 23)	No MDL	--	--	--	--	--	--	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--	--	--	--	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--	--	--	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--	--	--	--	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--	--	--	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--	6.7	--	--	--	--
1-Bromo-2-Ethylbenzene	No MDL	--	--	--	--	--	--	--	--	--
Bromobenzene	No MDL	--	--	--	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--	--	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--	--	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
7. Additional constituent MDLs from USEPA TO - 15.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 9

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Non-Detect Performance Standard (µg/m3)	Air Discharge VSP-8 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District										
Chloromethane	1.0	ND (1.1)	ND (ND)	ND	ND	ND (ND)	ND	1.2 (1.4)	ND (ND)	1.1 (ND)
Bromomethane	1.9	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Vinyl Chloride	1.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Chloroethane	1.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Methylene Chloride	1.7	3.8 (ND)	ND (ND)	ND	ND	ND (ND)	ND	2.0 (1.9)	ND (ND)	1.9 (2.1)
1,1-Dichloroethene	2.0	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,1-Dichloroethane	2.0	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2-Dichloroethene (total)	2.0	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Chloroform	2.4	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2-Dichloroethane	2.0	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,1,1-Trichloroethane	2.7	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Carbon Tetrachloride	3.2	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2-Dichloropropane	2.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
cis-1,3-Dichloropropene	2.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Trichloroethene	2.7	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Benzene	1.6	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
trans-1,3-Dichloropropene	2.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,1,2-Trichloroethane	2.7	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Tetrachloroethene	3.4	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,1,2,2-Tetrachloroethane	3.4	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Toluene	1.9	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Chlorobenzene	2.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Ethylbenzene	2.2	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Styrene	2.1	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
o-Xylene	2.2	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
m&p-Xylene	4.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)

TABLE 9

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Air Discharge VSP-8 (µg/m3)								
		7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Additional Constituents										
Trichlorofluoromethane (Freon 11)	1.1	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Dichlorodifluoromethane (Freon 12)	2.5	5.9 (6.4)	7.4 (7.4)	6.4	4.8	ND (ND)	4.9	7.4 (6.9)	4.9 (4.5)	6.4 (6.9)
cis-1,2-Dichloroethene	0.79	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,3-Dichlorobenzene	1.2	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,4-Dichlorobenzene	1.2	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2-Dichlorobenzene	1.2	1.9 (2.2)	1.6 (1.4)	ND	1.3	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2,4-Trichlorobenzene	3.7	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Hexachlorobutadiene	2.1	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,3,5-Trimethylbenzene	0.98	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2,4-Trimethylbenzene	0.98	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2-Dichlorotetrafluoroethane	1.4	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,2-Dibromoethane	1.5	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,3-Butadiene	0.44	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Carbon Disulfide	1.6	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Acetone	12	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Isopropyl Alcohol	12	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Methyl tert-Butyl Ether	1.8	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Cyclohexane	0.69	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Dibromochloromethane	1.7	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Methyl Ethyl Ketone	1.5	ND (ND)	ND (ND)	1.8	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
1,4-Dioxane	18	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Methyl Isobutyl Ketone	2.0	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Methyl Butyl Ketone	2.0	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Bromoform	2.1	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Bromodichloromethane	1.3	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
trans-1,2-Dichloroethene	0.79	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
4-Ethyltoluene	0.98	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
3-Chloropropene	0.63	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
2,2,4-Trimethylpentane	0.93	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Bromoethene	0.87	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
2-Chlorotoluene	1.0	3.4 (4.0)	3.0 (2.9)	2.0	2.0	1.7 (1.7)	1.2	1.5 (1.4)	ND (1.2)	1.4 (1.3)
n-Hexane	0.70	0.78 (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
Tetrahydrofuran	15	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
n-Heptane	0.82	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)
tert-Butyl Alcohol	15	ND (ND)	ND (ND)	ND	ND	ND (ND)	ND	ND (ND)	ND (ND)	ND (ND)

TABLE 9

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Air Discharge VSP-8 (µg/m3) 7/28/2005 Pre-Test	8/3/2005 Day 1	8/5/2005 Day 3	8/8/2005 Day 6	8/11/2005 Day 9	8/16/2005 Day 14	8/18/2005 Day 16	8/25/2005 Day 23	8/31/2005 Day 29
Tentatively Identified Compounds										
Chlorodifluoromethane (Freon 22)	No MDL	-- (--)	21 (21)	19	--	35 (35)	34	24 (25)	19 (20)	24 (24)
Trifluoromethane (Freon 23)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Chloropentafluoroethane (Freon 115)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Dichlorotrifluoroethane (HCFC-123a)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Chlorotrifluoroethane (HCFC-133)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
1,1-Difluoroethane (Freon 152a)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Chlorotrifluoroethene (CTFE)	No MDL	-- (--)	-- (--)	--	--	8.1 (5.7)	--	-- (--)	-- (--)	-- (--)
1-Bromo-2-Ethylbenzene	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Bromobenzene	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Dichlorofluoromethane (CFC 21)	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)
Trimethylsilanol	No MDL	-- (--)	-- (--)	--	--	-- (--)	--	-- (--)	-- (--)	-- (--)

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The second result in ( ) is a blind duplicate.
7. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
8. Additional constituent MDLs from USEPA TO - 15.
9. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated. Therefore, TIC concentrations can only be estimated. The -- indicates that the TIC was not identified.
10. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 10

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase PPZ 1 Bottom 8/31/2005 Day 29	Vapor-Phase PPZ 1 Middle 8/31/2005 Day 29	Vapor-Phase PPZ 1 Top 8/31/2005 Day 29
Constituents Required by the Great Neck Union Free School District				
Chloromethane	1.0	1.1	1.2	1.1
Bromomethane	1.9	ND	ND	ND
Vinyl Chloride	1.3	ND	ND	ND
Chloroethane	1.3	ND	ND	ND
Methylene Chloride	1.7	2.0	2.3	2.2
1,1-Dichloroethene	2.0	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND
1,2-Dichloroethene (total)	2.0	ND	ND	ND
Chloroform	2.4	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND
Carbon Tetrachloride	3.2	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND
Benzene	1.6	ND	ND	4.5
trans-1,3-Dichloropropene	2.3	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND
Toluene	1.9	ND	ND	ND
Chlorobenzene	2.3	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND
Styrene	2.1	ND	ND	ND
o-Xylene	2.2	ND	ND	ND
m&p-Xylene	4.3	ND	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND	ND	ND

TABLE 10

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase PPZ 1 Bottom 8/31/2005 Day 29	Vapor-Phase PPZ 1 Middle 8/31/2005 Day 29	Vapor-Phase PPZ 1 Top 8/31/2005 Day 29
Additional Constituents				
Trichlorofluoromethane (Freon 11)	1.1	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	6.4	6.9	6.9
cis-1,2-Dichloroethene	0.79	ND	ND	ND
1,3-Dichlorobenzene	1.2	ND	ND	ND
1,4-Dichlorobenzene	1.2	ND	ND	ND
1,2-Dichlorobenzene	1.2	1.4	ND	ND
1,2,4-Trichlorobenzene	3.7	ND	ND	ND
Hexachlorobutadiene	2.1	ND	ND	ND
1,3,5-Trimethylbenzene	0.98	ND	ND	ND
1,2,4-Trimethylbenzene	0.98	ND	ND	ND
1,2-Dichlorotetrafluoroethane	1.4	ND	ND	ND
1,2-Dibromoethane	1.5	ND	ND	ND
1,3-Butadiene	0.44	ND	ND	ND
Carbon Disulfide	1.6	ND	ND	ND
Acetone	12	ND	ND	ND
Isopropyl Alcohol	12	ND	ND	ND
Methyl tert-Butyl Ether	1.8	ND	ND	ND
Cyclohexane	0.69	ND	ND	ND
Dibromochloromethane	1.7	ND	ND	ND
Methyl Ethyl Ketone	1.5	ND	ND	ND
1,4-Dioxane	18	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND
Methyl Butyl Ketone	2.0	ND	ND	ND
Bromoform	2.1	ND	ND	ND
Bromodichloromethane	1.3	ND	ND	ND
trans-1,2-Dichloroethene	0.79	ND	ND	ND
4-Ethyltoluene	0.98	ND	ND	ND
3-Chloropropene	0.63	ND	ND	ND
2,2,4-Trimethylpentane	0.93	ND	ND	ND
Bromoethene	0.87	ND	ND	ND
2-Chlorotoluene	1.0	1.4	ND	ND
n-Hexane	0.70	ND	ND	ND
Tetrahydrofuran	15	ND	ND	ND
n-Heptane	0.82	ND	ND	ND
tert-Butyl Alcohol	15	ND	ND	ND

TABLE 10

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Vapor-Phase PPZ 1 Bottom 8/31/2005 Day 29	Vapor-Phase PPZ 1 Middle 8/31/2005 Day 29	Vapor-Phase PPZ 1 Top 8/31/2005 Day 29
Tentatively Identified Compounds				
Chlorodifluoromethane (Freon 22)	No MDL	24	25	24
Trifluoromethane (Freon 23)	No MDL	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--
1-Bromo-2-Ethylbenzene (Freon 22)	No MDL	--	--	--
Bromobenzene	No MDL	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--
Trimethylsilanol	No MDL	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
7. Additional constituent MDLs from USEPA TO - 15.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated. Therefore, TIC concentrations can only be estimated. The -- indicates that the TIC was not identified.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 11

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Ambient Air Intake Duct		Ambient Air North of PPZ Units	
		8/30/2005 Day 28	9/1/2005 Post Test	8/30/2005 Day 28	9/1/2005 Post Test
Constituents Required by the Great Neck Union Free School District					
Chloromethane	1.0	1.3	1.1	ND	ND
Bromomethane	1.9	ND	ND	ND	ND
Vinyl Chloride	1.3	ND	ND	ND	ND
Chloroethane	1.3	ND	ND	ND	ND
Methylene Chloride	1.7	ND	ND	ND	ND
1,1-Dichloroethene	2.0	ND	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND	ND
1,2-Dichloroethene (total)	2.0	ND	1.5	ND	ND
Chloroform	2.4	ND	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND	ND
Carbon Tetrachloride	3.2	ND	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND
Benzene	1.6	0.83	ND	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND	ND
Toluene	1.9	2.4	1.1	1.8	0.75
Chlorobenzene	2.3	ND	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND	ND
Styrene	2.1	ND	ND	ND	ND
o-Xylene	2.2	ND	1.3	ND	ND
m&p-Xylene	4.3	1.0	3.0	ND	ND
Trichlorotrifluoroethane (Freon 113 or TF)	3.8	ND	ND	ND	ND

TABLE 11

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Ambient Air Intake Duct		Ambient Air North of PPZ Units	
		8/30/2005 Day 28	9/1/2005 Post Test	8/30/2005 Day 28	9/1/2005 Post Test
Additional Constituents					
Trichlorofluoromethane (Freon 11)	1.1	1.7	1.2	1.3	1.2
Dichlorodifluoromethane (Freon 12)	2.5	4.4	4.9	ND	ND
cis-1,2-Dichloroethene	0.79	ND	1.5	ND	ND
1,3-Dichlorobenzene	1.2	ND	ND	ND	ND
1,4-Dichlorobenzene	1.2	ND	ND	ND	ND
1,2-Dichlorobenzene	1.2	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.7	ND	ND	ND	ND
Hexachlorobutadiene	2.1	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.98	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.98	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	1.4	ND	ND	ND	ND
1,2-Dibromoethane	1.5	ND	ND	ND	ND
1,3-Butadiene	0.44	ND	ND	ND	ND
Carbon Disulfide	1.6	ND	ND	ND	ND
Acetone	12	19	ND	ND	ND
Isopropyl Alcohol	12	ND	ND	ND	ND
Methyl tert-Butyl Ether	1.8	ND	ND	ND	ND
Cyclohexane	0.69	ND	ND	ND	ND
Dibromochloromethane	1.7	ND	ND	ND	ND
Methyl Ethyl Ketone	1.5	1.6	ND	ND	ND
1,4-Dioxane	18	ND	ND	ND	ND
Methyl Isobutyl Ketone	2.0	ND	ND	ND	ND
Methyl Butyl Ketone	2.0	ND	ND	ND	ND
Bromoform	2.1	ND	ND	ND	ND
Bromodichloromethane	1.3	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.79	ND	ND	ND	ND
4-Ethyltoluene	0.98	ND	ND	ND	ND
3-Chloropropene	0.63	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	ND	ND	ND	ND
Bromoethene	0.87	ND	ND	ND	ND
2-Chlorotoluene	1.0	ND	ND	ND	ND
n-Hexane	0.70	0.70	ND	ND	ND
Tetrahydrofuran	15	ND	ND	ND	ND
n-Heptane	0.82	ND	ND	ND	ND
tert-Butyl Alcohol	15	ND	ND	ND	ND

TABLE 11

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
30-DAY TEST AIR SAMPLING RESULTS

Constituents	Method Detection Limit (µg/m3)	Ambient Air Intake Duct		Ambient Air North of PPZ Units	
		8/30/2005 Day 28	9/1/2005 Post Test	8/30/2005 Day 28	9/1/2005 Post Test
Tentatively Identified Compounds					
Chlorodifluoromethane (Freon 22)	No MDL	--	--	--	--
Trifluoromethane (Freon 23)	No MDL	--	--	--	--
Chloropentafluoroethane (Freon 115)	No MDL	--	--	--	--
2,2-Dichloro-1,1,1-Trifluoroethane (Freon 123)	No MDL	--	--	--	--
Dichlorotrifluoroethane (HCFC-123a)	No MDL	--	--	--	--
Chlorotrifluorethane (HCFC-133)	No MDL	--	--	--	--
1,1-Difluoroethane (Freon 152a)	No MDL	--	--	--	--
Chlorotrifluoroethene (CTFE)	No MDL	--	--	--	--
1-Bromo-2-Ethylbenzene (Freon 22)	No MDL	--	--	--	--
Bromobenzene	No MDL	--	--	--	--
Dichlorofluoromethane (CFC 21)	No MDL	--	--	--	--
Trimethylsilanol	No MDL	--	--	--	--

Notes and Abbreviations:

1. Samples were collected by BBL Environmental Services, Inc. (BBLES) and analyzed by Severn Trent Laboratories using United States Environmental Protection Agency (USEPA) Method Toxic Organic (TO) - 15.
2. Listed constituents represent Target Compound List (TCL) volatile organic compounds (VOCs), plus Freon 113, 11 and 12.
3. 1,2-Dichloroethene (total) represents the sum of the analyses for the cis- and trans- isomers.
4. All results are in micrograms per cubic meter (µg/m3).
5. ND = Not detected at, or above, the Method Detection Limit (MDL).
6. The required Great Neck Union Free School District MDL is for the constituent by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. In accordance with that Agreement, the MDL for all constituents, as listed above, is equal to or less than constituent-specific Air Guide 1 requirements.
7. Additional constituent MDLs from USEPA TO - 15.
8. There is no MDL for Tentatively Identified Compounds (TICs) because standards are not available and a MDL cannot be calculated. Therefore, TIC concentrations can only be estimated. The -- indicates that the TIC was not identified.
9. The 30-Day Test was initially started on July 28, 2005, but the system was shut down after the samples were collected on that day. The 30-Day Test was then started on August 2, 2005 and completed on September 1, 2005.

TABLE 12

FORMER UNISYS FACILITY
GREAT NECK, NEW YORK
OU2 INTERIM REMEDIAL MEASURE
REGULATORY STATUS OF AIR EMISSIONS FOR THE OFF-SITE INTERIM REMEDIAL MEASURE

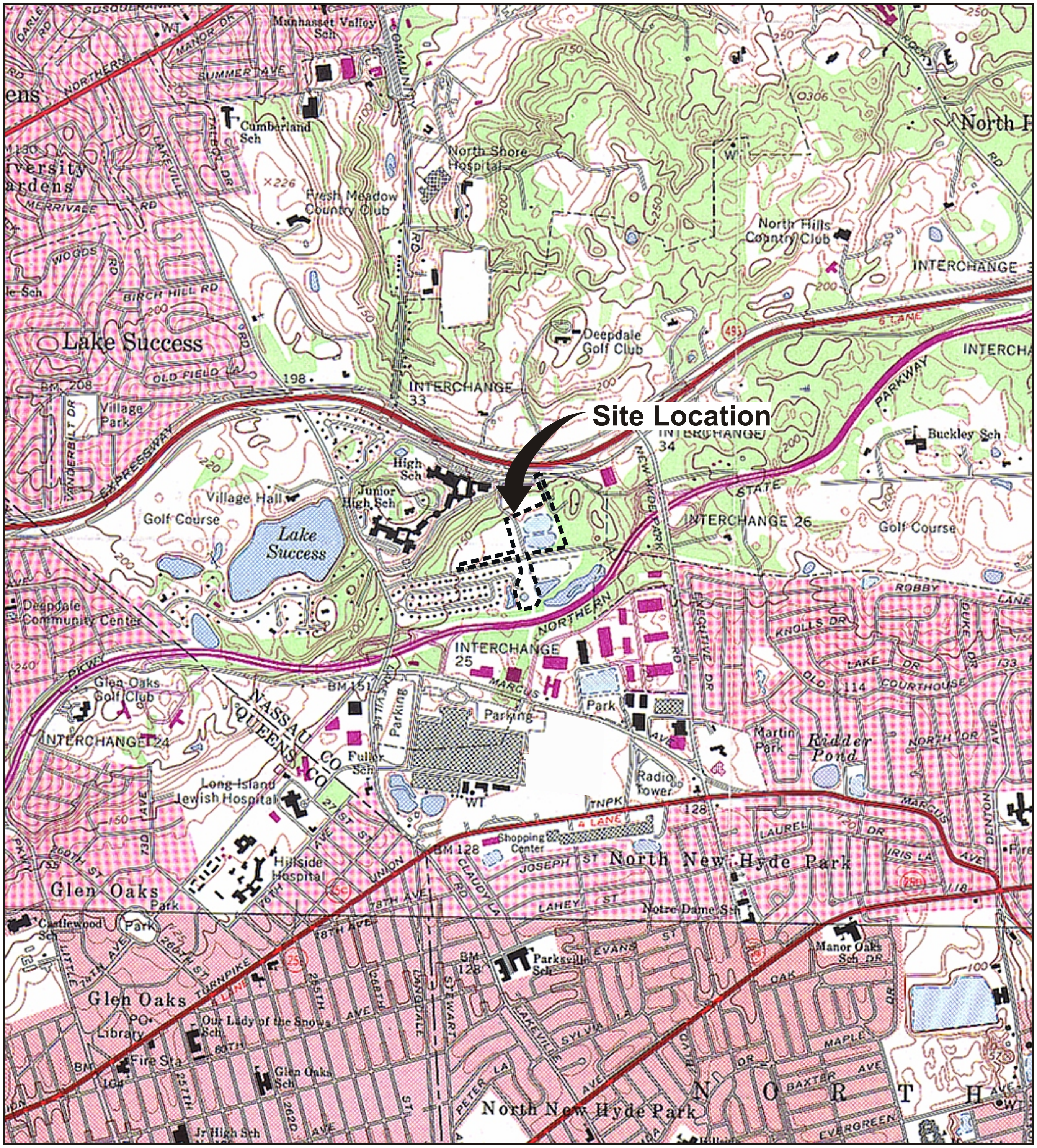
Constituent[1]	CAS Number	Short-Term Concentrations		Allowable Guideline Concentrations	
		Allowable Short-Term Guideline Concentration (SGC)[2] (µg/m3)	Maximum Discharge Concentration[3] (µg/m3)	Allowable Annual Guideline Concentration (AGC)[4] (µg/m3)	Percent AGC[5] (%)
Chloromethane	74-87-3	22,000	1.4	90	8.0 E - 04
1,2-Dichlorobenzene	95-50-1	30,000	2.2	360	3.1 E - 04
Methyl Ethyl Ketone	78-93-3	59,000	1.8	5,000	1.8 E - 05
2-Chlorotoluene	95-49-8	--	4.1	620	3.3 E - 04
Dichlorodifluoromethane (Freon 12)	75-71-8	--	7.5	12,000	3.2 E - 05
Chlorodifluoromethane (Freon 22)	75-45-6	--	36	50,000	3.6 E - 05

Notes:

1. Only VOCs, which were found to be present in the air discharged during the 30-Day Test, are presented on this table. Highest (worst-case) constituent concentrations were used in these calculations.
2. SGC refers to compound specific short-term guideline concentration per the New York State Department of Environmental Conservation (NYSDEC) Division of Air Resources (DAR)-1 AGC/SGC Tables dated December 22, 2003.
3. To assess the compliance status of the air discharge, the instantaneous concentration of each compound at the stack effluent reported at standard laboratory temperature and pressure (i.e., 25°C and 1 atmosphere), converted to concentration at standard engineering temperature and pressure (i.e., 68°F and 1 atmosphere), is compared to the SGC.
4. AGC refers to the compound specific annual guideline concentration per the NYSDEC DAR-1 AGC/SGC Tables dated December 22, 2003.
5. Percent AGC for a given compound is calculated by dividing the total mass emitted by the total allowable mass that could be emitted to achieve 100 percent of AGC (per NYSDEC DAR-1 SCREEN model). Values shown were calculated assuming that the system would operate continuously for a twelve-month period at worst-case constituent concentration during the 30-Day Test , a worst-case air flow rate of 4,000 standard cubic feet per minute, and an average annual temperature of 82°F.
6. CAS refers to the Chemical Abstract Services registry number for given chemical substances.
7. µg/m3 = Micrograms per cubic meter.
8. -- = Not applicable.

Figures

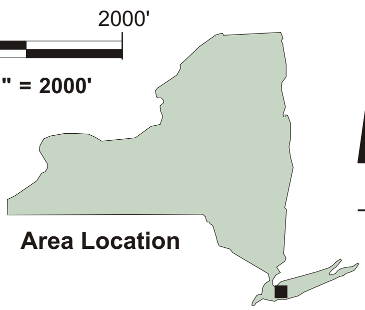
BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction



REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., LYNBROOK & SEA CLIFF, NY, 1968, PHOTOREVISED 1979.

2000' 0 2000'

Approximate Scale: 1" = 2000'



Area Location

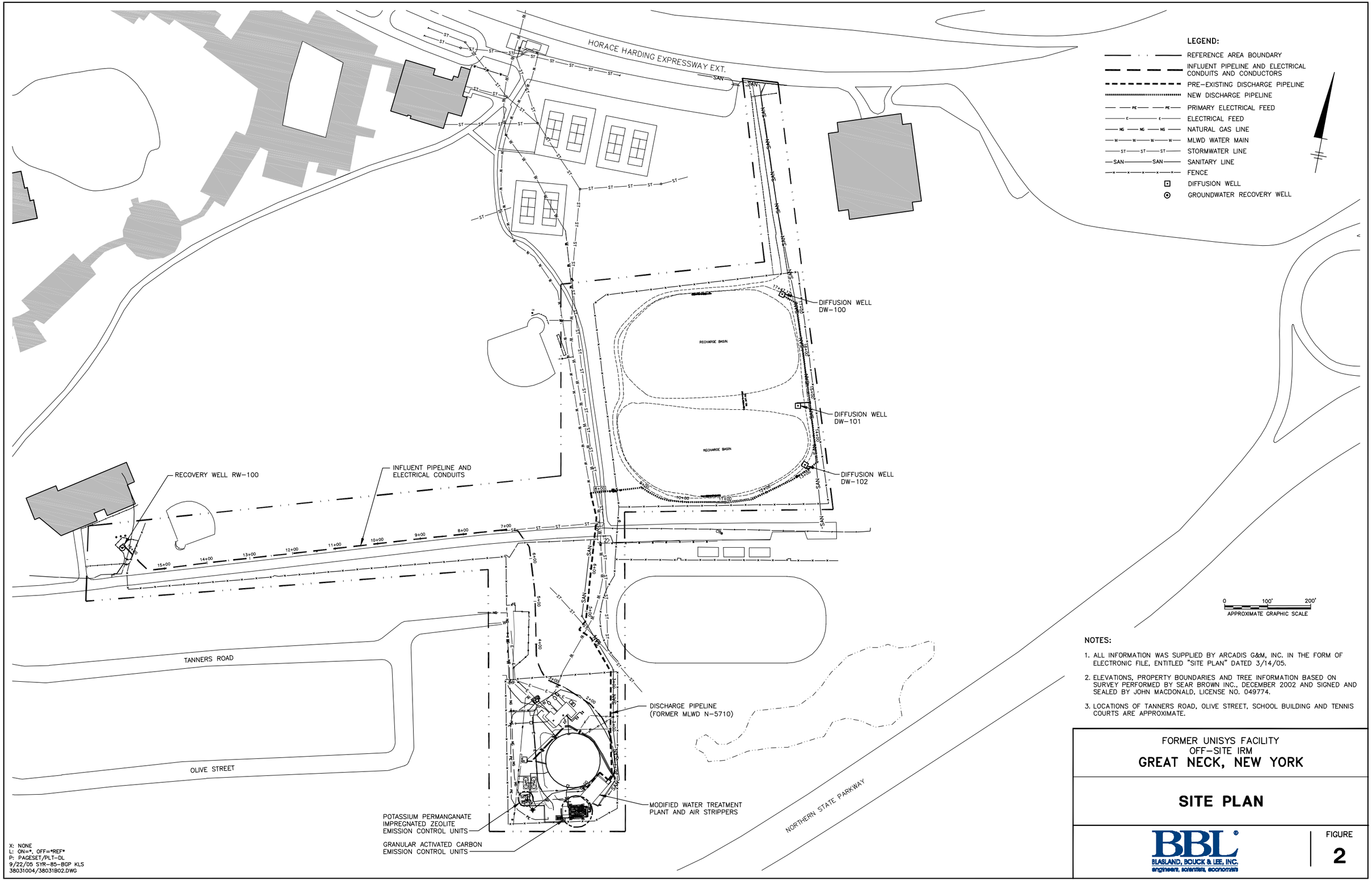
FORMER UNISYS FACILITY
OFF-SITE IRM
GREAT NECK, NEW YORK

SITE LOCATION MAP

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

FIGURE
1

09/22/05 SYR-D85- DJH, KLS
38031004/38031n01.cdr



NOTES:

1. ALL INFORMATION WAS SUPPLIED BY ARCADIS G&M, INC. IN THE FORM OF ELECTRONIC FILE, ENTITLED "SITE PLAN" DATED 3/14/05.
2. ELEVATIONS, PROPERTY BOUNDARIES AND TREE INFORMATION BASED ON SURVEY PERFORMED BY SEAR BROWN INC., DECEMBER 2002 AND SIGNED AND SEALED BY JOHN MACDONALD, LICENSE NO. 049774.
3. LOCATIONS OF TANNERS ROAD, OLIVE STREET, SCHOOL BUILDING AND TENNIS COURTS ARE APPROXIMATE.

FORMER UNISYS FACILITY
OFF-SITE IRM
GREAT NECK, NEW YORK

SITE PLAN

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

FIGURE
2

X: NONE
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
9/22/05 SYR-85-BGP KLS
38031004/38031B02.DWG

VSP-1
VSP-2
VSP-3
VSP-4
VSP-7
VSP-8
VAPOR-PHASE GAC ECU 1
VAPOR-PHASE GAC ECU 2
VAPOR-PHASE GAC ECU 3
VAPOR-PHASE PPZ ECU 4
VAPOR-PHASE PPZ ECU 5
TO ATMOSPHERE
VSP-6
WSP-1
WSP-2
WSP-3
500 GPM
AIR STRIPPER AS-210
CLEARWELL #1
AIR STRIPPER AS-220
CLEARWELL #2
AMBIENT AIR
RW-100
RECOVERY WELL
B-310
BLOWER
DW-100
DW-101
DW-102
DIFFUSION WELLS

NOTE:

VSP-5 WAS FORMERLY THE DISCHARGE FROM THE FOURTH VAPOR-PHASE GAC UNIT.

LEGEND:

VSP-1 VAPOR SAMPLE PORT
WSP-1 WATER SAMPLE PORT
AIR PROCESS LINE
WATER PROCESS LINE
PROCESS LINE (DUAL WALL WITH LEAK DETECTION)
SAMPLE PORT

FORMER UNISYS FACILITY
OFF-SITE IRM
GREAT NECK, NEW YORK

SYSTEM SCHEMATIC

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

FIGURE 3

X: (XREF)
L: (LAYER)
P: PAGESET/PLT-DL
11/17/05 SYR-85-SDL BGP KLS
38031002/38031F01.DWG

Attachment A

Previous Ambient Air Sampling Results

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

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Table 4. Summary of Ambient Air Quality Monitoring At Discharge Stack, Initial Testing, Off-site Interim Remedial Measure (IRM), Former Unisys Facility, Great Neck, New York.

Constituent	Required Method Detection Limit (MDL) (ug/m^3) *(1)*	5-Day Test *(2)* 8/10/2004 Set 1 (ug/m^3)	4-Week Test *(2)* 09/21/04 Set 1 (ug/m^3)	4-Week Test *(2)* 09/24/04 Set 2 (ug/m^3)
Required Constituents (3)				
Chloromethane	1.0	**1.5**	**1.5**	**1.7**
Bromomethane	1.9	ND	ND	ND
Vinyl Choride	1.3	ND	ND	ND
Chloroethane	1.3	ND	ND	ND
Methylene chloride	1.7	ND	ND	ND
1,1-Dichloroethene	2.0	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND
trans-1,2-Dichloroethene	2.0	ND	ND	ND
cis-1,2-Dichloroethene	2.0	ND	ND	ND
Chloroform	2.4	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND
Carbon tetrachloride	3.2	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND
Benzene	1.6	**2.1**	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND
Toluene	1.9	**5.7**	**3.5**	**2.8**
Chlorobenzene	2.3	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND
Styrene	2.1	ND	ND	ND
o-Xylene	2.2	ND	ND	ND
m&p-Xylene	4.3	**2.8**	ND	ND
Trichlorotrifluoroethane (Freon 113)	3.8	ND	ND	ND

See footnotes on last page.

Table 4. Summary of Ambient Air Quality Monitoring At Discharge Stack, Initial Testing, Off-site Interim Remedial Measure (IRM), Former Unisys Facility, Great Neck, New York.

Constituent	Required Method Detection Limit (MDL) (ug/m^3) *(1)*	5-Day Test *(2)* 8/10/2004 Set 1 (ug/m^3)	4-Week Test *(2)* 09/21/04 Set 1 (ug/m^3)	4-Week Test *(2)* 09/24/04 Set 2 (ug/m^3)
Additional Constituents				
Trichlorofluoromethane (Freon 11)	2.8	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	2.8	3.2	3.4
Chlorodifluoromethane (Freon 22)	1.8	2.6	ND	ND
Tentatively Identified Compounds				
Trifluoromethane (Freon 23)	*(4)*	ND	ND	ND
Chloropentafluoroethane (Freon 115)	*(4)*	ND	ND	ND
2,2-Dichloro-1,1,1-trifluoroethane (Freon 123)	*(4)*	ND	ND	ND
Dichlorotrifluoroethane (HCFC-123a)	*(4)*	ND	ND	ND
Chlorotrifluorethane (HCFC-133)	*(4)*	ND	ND	ND
1,1-Difluoroethane (Freon 152a)	*(4)*	ND	ND	ND
Chlorotrifluoroethylene (CTFE)	*(4)*	ND	ND	ND
1-Bromo-2-ethylbenzene	*(4)*	--	--	--
Bromobenzene	*(4)*	--	--	--
Dichlorofluoromethane (CFC 21)	*(4)*	--	--	--
Trimethylsilanol	*(4)*	--	--	--

ug/m^3 micrograms per cubic meter
-- constituent not analyzed
ND not detected at, or above the Required Method Detection Limits

Notes:

1. The required detection limit is the minimum method detection limit (MDL) for the analyte by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. The listed Required MDL is equivalent to 0.5 ppbV for all constituents.
2. Refers to vapor sample sets collected while the Off-site IRM system was off-line prior to system testing.
3. Constituents required to be analyzed, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003.
4. Tentatively Identified Compound concentration can only be estimated. Due to non-availability of standards, a laboratory Method Detection Limit can not be calculated.

ARCADIS

Table 5. Summary of Ambient Air Quality Monitoring At Property Boundary, Initial Testing, Off-site Interim Remedial Measure (IRM), Former Unisys Facility, Great Neck, New York.

Constituent	Required Method Detection Limit (MDL)	4-Week Test - Background Set 1 *(2)*				4-Week Test - Background Set 2 *(2)*			
		09/21/04 PAQ1 *(3)*	09/21/04 SAQ1 *(3)*	09/21/04 SAQ2 *(3)*	09/21/04 SAQ3 *(3)*	09/24/04 PAQ1 *(3)*	09/24/04 SAQ1 *(3)*	09/24/04 SAQ2 *(3)*	09/24/04 SAQ3 *(3)*
	(ug/m^3) *(1)*	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)
Required Constituents (4)									
Chloromethane	1.0	**1.7**	ND	**1.2**	ND	ND	ND	ND	**1.9**
Bromomethane	1.9	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Choride	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	1.7	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	2.4	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	3.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2.3	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	2.7	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.6	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2.3	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2.7	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.4	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.4	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.9	**3.0**	**3.0**	**3.0**	**3.0**	**3.2**	**2.9**	**3.1**	**2.4**
Chlorobenzene	2.3	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.2	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	2.1	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.2	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	4.3	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113)	3.8	ND	ND	ND	ND	ND	ND	ND	ND

See footnotes on last page.

Table 5. Summary of Ambient Air Quality Monitoring At Property Boundary, Initial Testing, Off-site Interim Remedial Measure (IRM), Former Unisys Facility, Great Neck, New York.

Constituent	Required Method Detection Limit (MDL)	4-Week Test - Background Set 1 *(2)*				4-Week Test - Background Set 2 *(2)*			
		09/21/04 PAQ1 *(3)*	09/21/04 SAQ1 *(3)*	09/21/04 SAQ2 *(3)*	09/21/04 SAQ3 *(3)*	09/24/04 PAQ1 *(3)*	09/24/04 SAQ1 *(3)*	09/24/04 SAQ2 *(3)*	09/24/04 SAQ3 *(3)*
	(ug/m^3) *(1)*	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)
Additional Constituents									
Trichlorofluoromethane (Freon 11)	2.8	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane (Freon 12)	2.5	**2.9**	**2.8**	**3.0**	**2.8**	**2.9**	**2.7**	**3.0**	**3.3**
Chlorodifluoromethane (Freon 22)	1.8	ND	ND	ND	ND	ND	ND	ND	ND
Tentatively Identified Compounds									
Trifluoromethane (Freon 23)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
Chloropentafluoroethane (Freon 115)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloro-1,1,1-trifluoroethane (Freon 123)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorotrifluoroethane (HCFC-123a)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorotrifluorethane (HCFC-133)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Difluoroethane (Freon 152a)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorotrifluoroethylene (CTFE)	*(5)*	ND	ND	ND	ND	ND	ND	ND	ND
1-Bromo-2-ethylbenzene	*(5)*	--	--	--	--	--	--	--	--
Bromobenzene	*(5)*	--	--	--	--	--	--	--	--
Dichlorofluoromethane (CFC 21)	*(5)*	--	--	--	--	--	--	--	--
Trimethylsilanol	*(5)*	--	--	--	--	--	--	--	--

ug/m^3 micrograms per cubic meter
-- constituent not analyzed
ND not detected at, or above the Required Method Detection Limits
PAQ portable air quality monitor
SAQ stationary air quality monitor

Notes:

1. The required detection limit is the minimum method detection limit (MDL) for the analyte by the approved method, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003. The listed Required MDL is equivalent to 0.5 ppbV for all constituents.
2. Refers to vapor sample sets collected while the Off-site IRM system was off-line prior to startup testing.
3. As part of the Air Quality Monitoring Plan conducted prior to the 4-Week testing period, ARCADIS collected four vapor samples at an inhalation level during an eight hour period at the following locations: PAQ1 - 38 feet downwind of the stack, SAQ1 - 58 feet west of the northeastern corner of MLWD property, SAQ2 - 27 feet east of the northwestern corner of MLWD property, SAQ3 - 91 feet north of the southwestern corner of MLWD property.
4. Constituents required to be analyzed, as listed in the Remediation Access and Licensing Agreement, dated April 14, 2003.
5. Tentatively Identified Compound concentration can only be estimated. Due to non-availability of standards, a laboratory Method Detection Limit can not be calculated.