



Dvirka and Bartilucci

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February 2, 2009

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Mr. Payson Long
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7013

Re: Active Industrial Uniform Site (Site No. 1-52-125)
D&B Work Assignment No. D004446-01
Quarterly Report No. 15
July 1, 2008 through September 30, 2008
D&B No. 2578

Dear Mr. Long:

The purpose of this letter is to summarize the performance of the groundwater extraction and treatment system for the Active Industrial Uniform Site, located at 63 West Montauk Highway in the Village of Lindenhurst, Suffolk County, New York (see Attachment A, Figure 1), for the period of July 1, 2008 through September 30, 2008. Presented below is a summary of system operations during the quarter, as well as the results of sampling performed in accordance with the work plan for the referenced work assignment.

Groundwater Extraction and Treatment System Operations

During this period, on-site extraction well RW-1 operated at an average rate of approximately 35.2 gallons per minute (gpm). Based on a review of the operation and maintenance logs, RW-1's pumping rate has steadily declined from a high of 84.6 gpm, recorded when D&B restarted the groundwater extraction system on February 23, 2005.

As you are aware, well rehabilitation activities consisting of pumping and surging with a rubber block were conducted on extraction well RW-1 in December 2007. During the well rehabilitation, it was observed that the pump bearing assembly had been compromised and parts of the pump exhibited corrosion. Samples of sludge attached to the pump were collected, which subsequently tested positive for *Gallionella ferruginea*, an iron-oxidizing chemolithotrophic bacterium. Based on these conditions, and flow rate and water level measurements collected during and subsequent to the well rehabilitation activities, it was recommended in an e-mail

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correspondence to the New York State Department of Environmental Conservation (NYSDEC) dated January 11, 2008, that the pump be replaced and the well be chemically treated. Costs to perform this work and a scope of work were submitted via e-mail correspondence to the NYSDEC dated April 3, 2008, for review and approval. In an e-mail correspondence from the NYSDEC dated August 15, 2008, the NYSDEC recommended the use of the Aqua Freed process for the treatment of the RW-1 extraction well in lieu of the chemical treatment. In response, D&B met with the Aqua Freed vendor, Subsurface Technologies, Inc., at the Active Industrial site on August 28, 2008 and November 24, 2008 to review the application process and to observe site conditions. A proposal to complete the work was sent to the NYSDEC for review and approval via e-mail correspondence dated December 15, 2008. The work was approved via e-mail correspondence from the NYSDEC dated December 31, 2008. D&B is currently working with Subsurface Technologies, Inc. to sign a subcontractor agreement and will schedule the work soon thereafter.

During this period and as approved by the NYSDEC via e-mail correspondence on June 16, 2008, off-site extraction well pump RW-2, which had been non-operational since October 2006 due to a ground fault failure, was replaced with a new extraction pump and motor assembly. Extraction well RW-2 was restarted on August 22, 2008 and operated at an average rate of approximately 67.0 gpm during this period. Note that the newly installed pump in extraction well RW-2 was initially set at 45.0 gpm; however, as the flow characteristics of RW-2 allow for a higher flow rate, on September 12, 2008, its pump flow rate was increased to 70.0 gpm without encountering drawn down issues.

During this period, approximately 6,514,640 gallons of treated groundwater was discharged to Little Neck Creek. Note that the groundwater extraction system was inoperative for approximately 449 hours, due to three system alarm conditions, three routine system maintenance events and three non-routine maintenance events/shutdowns. Non-routine maintenance events included the replacement of a cracked ball valve at the RW-1 extraction well vault, shutdown of the system due to a power surge, and replacement of extraction well pump RW-2 and its associated electrical connection at the extraction well vault. A summary of system downtime is provided in Attachment B. Copies of system maintenance reports, as prepared by Systematic Technologies, Inc., are provided in Attachment C.

Groundwater Extraction and Treatment System Sampling (Aqueous)

Monthly groundwater samples were collected from the combined influent sample tap (COMB-INF) and from the treatment system discharge sample tap (COMB-EFF) on July 14, August 6 and September 12, 2008. Each sample was analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. The samples collected from the combined influent sample tap were also analyzed for Target Analyte List (TAL) metals by NYSDEC 6/00 Analytical Services Protocol (ASP) Method ILMO4.0 and for pH by USEPA Method 9040.

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Quarterly groundwater samples were collected on September 12, 2008, from both extraction well influents (RW-1 and RW-2), the sample tap located between the two air strippers (AS-MID) and from the treatment system discharge sample tap. Each sample was analyzed for VOCs by USEPA Method 8260. The treatment system discharge sample was also analyzed for TAL metals by NYSDEC 6/00 ASP Method ILMO4.0.

Based on the influent groundwater sample results, COMB-INF total VOCs ranged from 107.7 micrograms per liter (ug/l) detected on September 12, 2008 to a maximum concentration of 408 ug/l detected on August 6, 2008, with cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE) and tetrachloroethene (PCE) exhibiting concentrations in exceedance of their respective NYSDEC Class GA groundwater standards or guidance values during all sampling events. Sample results are summarized in Attachment D.

The sample results from the air stripper discharge are compared to the NYSDEC site-specific effluent limits. Based on the effluent sample results, COMB-EFF VOCs, metals and pH were detected below NYSDEC site-specific effluent limits.

Approximately 10.41 pounds of total VOCs were removed from the extracted groundwater during the reporting period and approximately 1,179 pounds of total VOCs have been removed since start-up of the system. The average total VOC removal efficiency for this quarter was approximately 97 percent. A summary of the extraction and treatment system performance results for this period is provided in Attachment E.

Groundwater Extraction and Treatment System Sampling (Air)

Air samples were collected from the vapor phase carbon adsorption system influent sample tap (VPCV-INF), the sample tap located between the carbon vessels (VPCV-MID) and the effluent sample tap (VPCV-EFF) on July 14, August 4 and September 12, 2008.

The results of the vapor phase carbon adsorption system discharge samples (VPCV-EFF) are compared to the NYSDEC site-specific effluent limits. Sample results are provided in Attachment D. All air discharge results were below NYSDEC site-specific effluent limits for the period.

Groundwater Quality Data

The network of groundwater monitoring wells was sampled to determine groundwater quality at, and in the vicinity of, the site. Samples were collected from eight on-site monitoring wells (MW-101 through MW-108) and three off-site monitoring wells (MW-109, MW-111 and MW-2S) on September 9 and September 12, 2008. Note that monitoring well MW-110 could not be located and has reportedly been paved over and, as a result, was not sampled. Monitoring well MW-2S, located

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on the corner of Thompson Avenue and Lane Street, downgradient of the site, was sampled this quarter as a result of high levels of cis-1,2-DCE, TCE, PCE and trans-1,2-dichloroethene detected during a Vapor Investigation conducted by the NYSDEC in November 2007 and is not typically sampled as part of D&B's work assignment. The locations of the on-site monitoring wells are shown in Figure 2, provided in Attachment A. The locations of the off-site monitoring wells are shown in Figure 3, provided in Attachment A. Each groundwater sample was analyzed for VOCs by USEPA Method 8260 and for pH by USEPA Method 9040.

Groundwater sample results are summarized in Attachment D and are compared to the NYSDEC Class GA groundwater standards and guidance values. Concentrations of total VOCs detected in the on-site monitoring wells ranged from 2.3 ug/l to a maximum concentration of 7,310 ug/l detected in MW-106. Five on-site monitoring wells (MW-103, MW-104, MW-105, MW-106 and MW-107) exhibited one or more of the following VOCs at concentrations above their respective Class GA standards or guidance values; vinyl chloride (VC), cis-1,2-DCE, TCE and PCE. The maximum concentrations of VC (230 ug/l), cis-1,2-DCE (6,200 ug/l) and TCE (610 ug/l) were detected in groundwater monitoring well MW-106, located in the southeast corner of the site. The maximum concentration of PCE (640 ug/l) was detected in groundwater monitoring well MW-104, located in the western portion of the site. Note that VOCs were not detected at concentrations exceeding their respective Class GA standards and guidance values in on-site monitoring wells MW-101, MW-102 or MW-108.

VOCs were detected in off-site monitoring wells MW-109, MW-111 and MW-2S; however, the VOCs detected in MW-109 and MW-111 exhibited concentrations below their respective Class GA standards and guidance values. Note that monitoring well MW-2S exhibited cis-1,2-DCE (26 ug/l) and PCE (20 ug/l) at concentrations exceeding their respective Class GA standards of 5 ug/l.

Attachment F includes graphs which summarize historical concentrations of total VOCs, cis-1,2-DCE, PCE, TCE and VC detected in the on-site and off-site monitoring wells from September 2006 through September 2008. Note that VOCs have primarily been detected above their respective standards in on-site monitoring wells MW-104 and MW-106. On-site, historical PCE concentrations have been detected somewhat erratically in MW-104, with concentrations ranging from 8 ug/l to 1,660 ug/l, while in MW-106, concentrations detected are relatively stable at an average of approximately 120 ug/l. On-site historical cis-1,2-DCE concentrations have also been detected somewhat erratically in MW-106. Historical concentrations of TCE exhibit an increasing trend in MW-106, with concentrations ranging from 21 ug/l to 610 ug/l. Historical concentrations of VC exhibit an increasing trend in MW-106, with concentrations ranging from 15 ug/l to 500 ug/l.

Off-site, concentrations of these compounds have historically been detected below their respective groundwater standards in MW-109. A comparison of the concentrations of VOCs detected in MW-2S during the November 2007 Vapor Intrusion Investigation and this quarter's monitoring data

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shows a decrease in VOC concentrations; however, as stated above, concentrations of cis-1,2-DCE and PCE were detected above Class GA standards (26 ug/l and 20 ug/l, respectively).

Data Validation

The data packages submitted by Mitkem Corporation (Mitkem) have been reviewed for completeness and compliance with NYSDEC ASP Quality Assurance/Quality Control (QA/QC) requirements. Mitkem is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. The analysis of air samples was subcontracted by Mitkem to Centek Laboratories, LLC, a NYSDOH ELAP-certified air laboratory. All sample results have been deemed valid and usable for environmental assessment purposes as qualified below:

- All samples were analyzed within the method specified holding times and all QA/QC requirements (surrogate recoveries, calibrations, blanks, etc.) were met.

No other issues were found with the sample results. All data is deemed valid and usable for environmental assessment purposes as qualified above.

Conclusions

Based on the results of performance monitoring conducted during the period, we offer the following conclusions:

- The results of system influent samples show that extraction well RW-1 continues to capture VOC-contaminated groundwater.
- Extraction well pump RW-2 is in operation, as of August 22, 2008, and the results of the system influent samples show that it is capturing VOC-contaminated groundwater.
- Extraction well pump RW-1 showed signs of corrosion and wear when it was inspected on December 21, 2007. The results of the sludge samples collected from extraction well RW-1 indicates that iron-oxidizing bacteria is present within the extraction well, limiting the yield potential of the well.
- The results of system effluent (COMB-EFF) samples show that the air stripping towers are effectively removing the captured VOCs to concentrations below the NYSDEC site-specific effluent limits.
- The results of vapor discharge samples show that the vapor phase carbon vessels are effectively removing VOCs to concentrations below their respective NYSDEC site-specific discharge limits.
- Five of the eight on-site monitoring wells exhibit at least one VOC at concentrations in exceedance of the NYSDEC Class GA groundwater standards and guidance values.

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- Off-site monitoring wells MW-109 and MW-111 did not exhibit VOCs at concentrations in exceedance of the NYSDEC Class GA standards and guidance values.
- Off-site monitoring well MW-2S exhibited cis-1,2-DCE and PCE at concentrations in exceedance of the NYSDEC Class GA groundwater standards and guidance values.

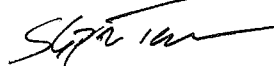
Recommendations

Based on the results of performance monitoring completed during the period, we provide the following recommendations:

- Continue operation of the groundwater extraction and treatment system to minimize downgradient migration of site-related contaminants currently being captured by the system.
- Due to the conditions of the extraction pump in extraction well RW-1 observed in December 2007 during well rehabilitation efforts, it is recommended to remove and replace the extraction well pump, motor and wiring.
- In order to reduce the presence of the bacteria and increase the yield potential of extraction well RW-1, it is recommended to rehabilitate the well utilizing the Aqua Freed process.
- Due to high concentrations of cis-1,2-DCE and PCE detected in off-site monitoring well MW-2S, as well as a lack of groundwater monitoring data immediately downgradient of the site, it is recommended to continue sampling groundwater monitoring well MW-2S.
- It is recommended to install three new off-site monitoring wells to better assess off-site groundwater contamination. Note that additional details and a figure depicting the proposed well locations will be provided in the forthcoming Active Industrial Periodic Review Report.

Please do not hesitate to contact me at (516) 364-9890, Ext. 3094, if you have any questions.

Very truly yours,



Stephen Tauss
Project Manager

SET/SF/jmy,kap
Attachments

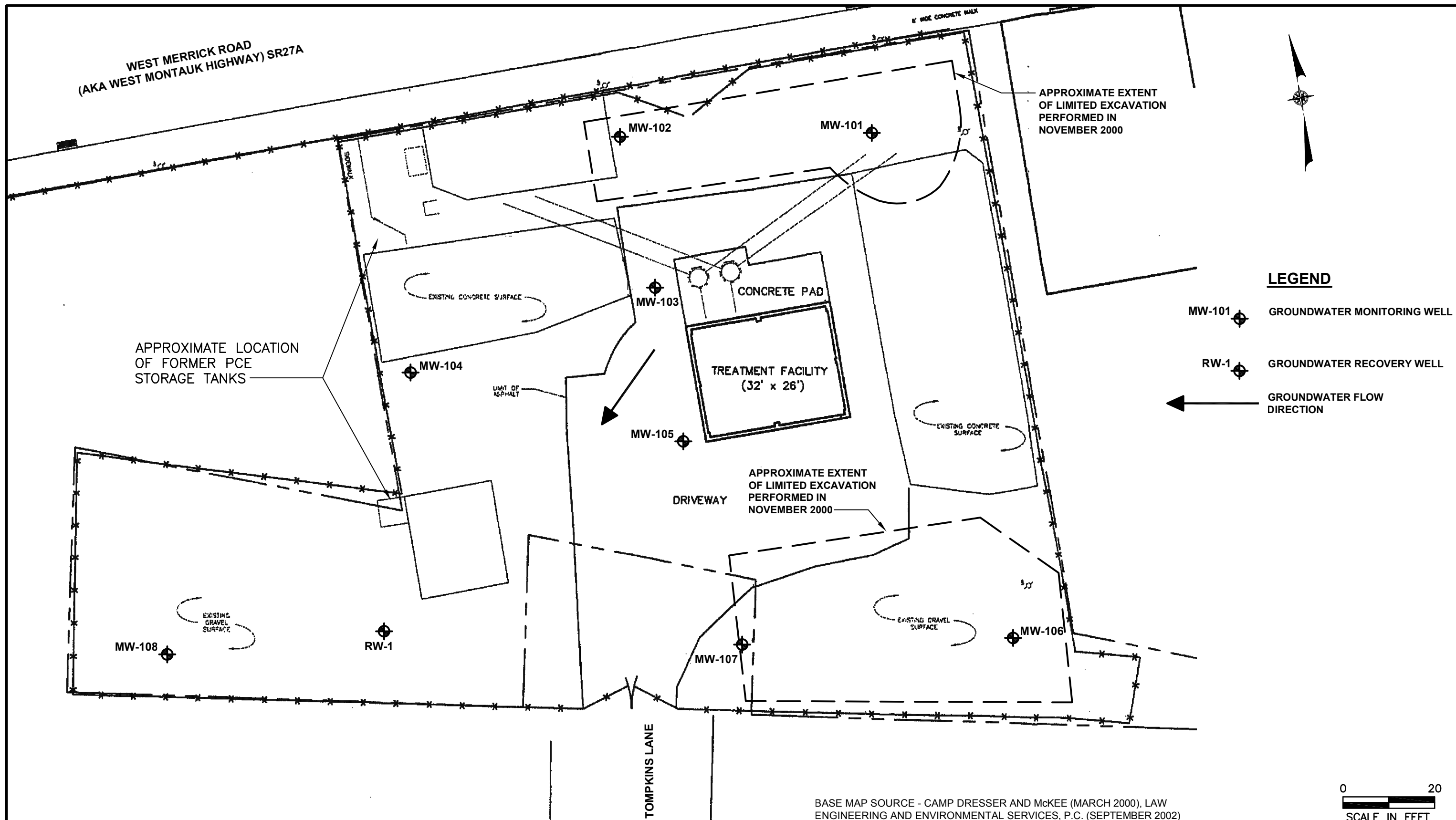
cc: R. Walka (D&B)
P. Martorano (D&B)
F. DeVita (D&B)

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ATTACHMENT A

FIGURES

F:\2578\Quarterly Report\FIGURE 2.dwg, FIG 2, 1/9/2009 2:54:44 PM, PMartorano



ACTIVE INDUSTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

**ON-SITE MONITORING WELLS AND RECOVERY WELL
AND GROUNDWATER FLOW DIRECTION**



SOURCE - CAMP DRESSER AND McKEE (MARCH 2000), LAW ENGINEERING AND ENVIRONMENTAL SERVICES, P.C. (SEPTEMBER 2002)

ACTIVE INDUSTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

SCALE: 1" = 100'

OFF-SITE MONITORING WELL LOCATION MAP

ATTACHMENT B

DESCRIPTION OF SYSTEM ALARM CONDITIONS

[illegible]

1. Maintenance event performed by Systematic Technologies, Inc.

ATTACHMENT C

SYSTEM MAINTENANCE REPORT

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 7/18/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1315	1415	2.5 (incl. travel)
E. Sorensen	Technician	1315	1415	2.5 (incl. travel)

Check off Items that were completed:

- | | |
|---|--|
| ☐ Item 1: Snow Removal

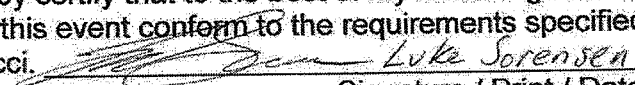
☐ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☐ Item 3: Transfer Pump Maintenance
☐ Item 4: Air Stripper Maintenance
☐ Item 5: Granular Activated Carbon Removal and Replacement | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
☐ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|---|--|

Description of Work:

Item 8: Non-Routine Maintenance Services: Assess leaking valve in RW-1 well-head enclosure

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

 Luke Sorensen 8/14/08
 Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 7/23/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1400 (1 Hr picking up materials prior)	1945	8.25 (incl. travel)
E. Sorensen	Technician	1400 (1 Hr picking up materials prior)	1945	8.25 (incl. travel)

Check off Items that were completed:

- | | |
|---|--|
| ☐ Item 1: Snow Removal

☐ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☐ Item 3: Transfer Pump Maintenance
☐ Item 4: Air Stripper Maintenance
☐ Item 5: Granular Activated Carbon Removal and Replacement | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
☐ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|---|--|

Description of Work:

Item 8: Pick up materials at three local suppliers, replace ball valve in RW-1 well-head enclosure; diagnose inoperable roof vent, replace drive belt.

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
3" True-Union Ball Valve	Hayward		1
3" x Close Gal NPT Pipe Nipple	Ward		1
V-Belt	Advance		1
3" Gal Riser Clamp	Unknown		1
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

 Luke Sorensen 8/4/08
 Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 8/5/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0940	1310	5 (incl travel, eq. pickup, drop off)
E. Sorensen	Technician	0940	1310	5 (incl travel, eq. pickup, drop off)

Check off Items that were completed:

- | | |
|---|--|
| ☐ Item 1: Snow Removal
☐ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☐ Item 3: Transfer Pump Maintenance
☐ Item 4: Air Stripper Maintenance
☐ Item 5: Granular Activated Carbon Removal and Replacement | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
☐ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|---|--|

Description of Work:

Item 8: Non-Routine Maintenance – Vegetation Removal

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

Signature / Print / Date

Luke Sorensen 8/15/08

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 8/8/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0800	1815	11.75 (incl. travel)
E. Sorensen	Technician	0800	1815	11.75 (incl. travel)

Check off Items that were completed:

- | | |
|--|--|
| ☐ Item 1: Snow Removal

☐ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☒ Item 3: Transfer Pump Maintenance
☐ Item 4: Air Stripper Maintenance
☐ Item 5: Granular Activated Carbon Removal and Replacement | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
☐ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|--|--|

Description of Work:

1.) Item 8: Non-Routine Maintenance:

Removed/replaced RW-2 pump, motor, power cord; surged well with rubber block; installed pressure gauge/isolation valve on well-head discharge piping; re-installed pump assembly but unable to connect discharge piping due to accumulation of silt in bottom of well that prevents installation of pump to full depth; notified S. Tauss, operations put on hold until a later date after D&B selects a solution for removal of silt;

Left four (4) pressure gauges and isolation valves in treatment building for installation at later date;

Adjusted tension on roof vent fan that was making "squealing" noise – problem corrected;

Called back to site by S. Tauss after departure to respond to a system shutdown. Met "Kevin" of D&B, gave direction on re-starting system.

2.) Item 3: Transfer Pump Maintenance

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Well Pump	Grundfos	150S100-5	1
Motor	Franklin	2366124020	1
Pressure Gauge	Weksler	AY44-2	5
Isolation Valve	Apollo	1/4BRBVMXF	5
Motor Cord	Morris	10/3AWG50FTXLPE	1

Splice Kit	Polaris	4-14AWG	4
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)
In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.  Luke Sorensen 8/15/08 Signature / Print / Date			

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 8/21/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	1030	1415	3.75 on site
E. Sorensen	Technician	1030	1415	3.75 on site

Check off Items that were completed:

- | | |
|--|--|
| ☐ Item 1: Snow Removal
☒ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☐ Item 3: Transfer Pump Maintenance
☐ Item 4: Air Stripper Maintenance
☐ Item 5: Granular Activated Carbon Removal and Replacement | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
☐ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|--|--|

Description of Work:

Item 2: Pressure Blower Maintenance

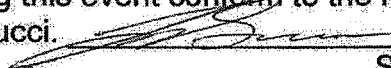
1. Inspected fan wheel for wear and corrosion;
2. Inspected fan wheel for buildup of materials;
3. Inspected motor winding for dust and dirt;
4. Lubricated motor bearings.

Item 8: Non-Routine Maintenance Services

1. Picked up garbage from site exterior
2. Vacuumed/mopped building interior

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Bearing Grease	Mobil	Mobilith SHC100	Not Measurable
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

 Luke Sorensen 11/3/08

Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 8/22/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0800	2015	12.25 on site
E. Sorensen	Technician	0800	2015	12.25 on site

Check off Items that were completed:

- | | |
|---|--|
| ☐ Item 1: Snow Removal

☐ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☐ Item 3: Transfer Pump Maintenance
☐ Item 4: Air Stripper Maintenance
☐ Item 5: Granular Activated Carbon Removal and Replacement | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material
☐ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|---|--|

Description of Work:

Item 8: Non-Routine Maintenance

Removed RW-2 well pump, bailed sand from well, placed sand in drum on site, re-installed well pump.

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
DOT 17H Drum			1
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)
Sand	½ Drum		

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

Signature / Print / Date

[Signature] Luke Sorensen 11/3/08

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 8/29/08				
Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0700	1000	3 on site
E. Sorensen	Technician	0700	1000	3 on site

Check off Items that were completed:

- | | |
|---|---|
| ☐ Item 1: Snow Removal

☐ Item 2: Pressure Blower Maintenance
☐ Item 2A: Pressure Blower Fan Wheel Replacement
☐ Item 3: Transfer Pump Maintenance
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☒ Item 7: Solids Filtration Change-out
☒ Item 8: Non-Routine Maintenance Services |
|---|---|

Description of Work:

Item 8: Non-Routine Maintenance

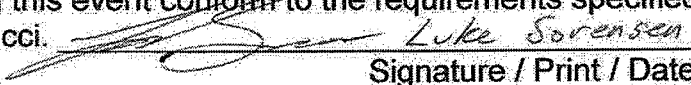
1. Furnish and install brass fittings for level gauge on RW-2;
2. Furnish and install sump pump fuses

Item 7: Solids Filtration Change-Out

1. Removed and replaced filter cartridges
2. Fabricated and replaced gasket

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Filter Cartridges	Harmsco	2.5x10	75
Fuse	Amptrap	20A	3
Brass fittings	Mueller	Unknown	Lot
Solids Filter Gasket	Systematic	N/A	1
Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)
Spent Filters	½ Drum		

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.


 Signature / Print / Date

MAINTENANCE AND INSPECTION REPORT

ACTIVE INDUSTRIAL UNIFORM SITE, LINDENHURST, NY

Date: 9/12/08

Name of Personnel Onsite	Title	Time Arrived	Time Departed	Total Hours
L. Sorensen	President	0700	1000	3 on site
E. Sorensen	Technician	0700	1000	3 on site

Check off Items that were completed:

- | | |
|--|---|
| ☐ Item 1: Snow Removal | ☐ Item 6: Removal and Replacement of Air Stripper Packing Material |
| ☐ Item 2: Pressure Blower Maintenance | ☒ Item 7: Solids Filtration Change-out |
| ☐ Item 2A: Pressure Blower Fan Wheel Replacement | ☒ Item 8: Non-Routine Maintenance Services |
| ☐ Item 3: Transfer Pump Maintenance | |
| ☐ Item 4: Air Stripper Maintenance | |
| ☐ Item 5: Granular Activated Carbon Removal and Replacement | |

Description of Work:

Item 8: Non-Routine Maintenance

1. Furnish and install brass fittings for level gauge on RW-2;
2. Furnish and install sump pump fuses

Item 7: Solids Filtration Change-Out

1. Removed and replaced filter cartridges
2. Fabricated and replaced gasket

Name of Part / Supply / Material	Manufacturer	Model Number	Quantity Used
Filter Cartridges	Harmsco	2.5x10	75
Fuse	Amptrap	20A	3
Brass fittings	Mueller	Unknown	Lot
Solids Filter Gasket	Systematic	N/A	1

Description of Waste Generated	Volume of Waste	Disposal Facility (Name & Address)	Waste Transporter (Name & Address)
Spent Filters	1/2 Drum		

In signing this report I hereby certify that to the best of my knowledge the maintenance and inspection activities performed during this event conform to the requirements specified under contract between STI and Dvirka and Bartilucci.

 Luke Sorensen 11/3/08
Signature / Print / Date

ATTACHMENT D

ANALYTICAL RESULTS

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM COMBINED INFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	COMB INF	COMB INF	COMB INF	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	7/14/2008	8/6/2008	9/12/2008	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
VOCs				
Dichlorodifluoromethane	U	U	U	5 GV
Chloromethane	U	U	U	--
Vinyl chloride	U	U	U	2 ST
Bromomethane	U	U	U	5 ST
Chloroethane	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	5 ST
Acetone	U	U	U	50 GV
Iodomethane	U	U	U	--
Carbon disulfide	U	U	U	60 GV
Methylene chloride	U	U	U	5 ST
trans 1,2-Dichloroethene	U	U	U	5 ST
Methyl-tert butyl ether	U	U	3.1 J	10 GV
1,1-Dichloroethane	U	U	1.5 J	5 ST
Vinyl acetate	U	U	U	--
2-Butanone	U	U	U	50 GV
cis-1,2-Dichloroethene	47	65	29	5 ST
2,2-Dichloropropane	U	U	U	5 ST
Bromochloromethane	U	U	U	5 ST
Chloroform	U	U	U	7 ST
1,1,1-Trichloroethane	U	U	1.1 J	5 ST
1,1-Dichloropropene	U	U	U	5 ST
Carbon tetrachloride	U	U	U	5 ST
1,2-Dichloroethane	U	U	U	0.6 ST
Benzene	U	U	U	1 ST
Trichloroethene	41	63	17	5 ST
1,2-Dichloropropane	U	U	U	1 ST
Bromodichloromethane	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	U	--
Toluene	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	0.4 ST
1,1,2-Trichloroethane	U	U	U	1 ST
1,3-Dichloropropane	U	U	U	5 ST
Tetrachloroethene	220	280	56 B	5 ST
2-Hexanone	U	U	U	50 GV
Dibromochloromethane	U	U	U	50 GV
1,2-Dibromoethane	U	U	U	5 ST
Chlorobenzene	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	5 ST
Ethylbenzene	U	U	U	5 ST
Xylene (total)	U	U	U	5 ST
Styrene	U	U	U	5 ST
Bromoform	U	U	U	50 GV
Isopropylbenzene	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	5 ST
Bromobenzene	U	U	U	5 ST
1,2,3-Trichloropropane	U	U	U	0.04 ST
n-Propylbenzene	U	U	U	5 ST
2-Chlorotoluene	U	U	U	5 ST
1,3,5-Trimethylbenzene	U	U	U	5 ST
4-Chlorotoluene	U	U	U	5 ST
tert-Butylbenzene	U	U	U	5 ST
1,2,4-Trimethylbenzene	U	U	U	5 ST
sec-Butylbenzene	U	U	U	5 ST
4-Isopropyltoluene	U	U	U	5 ST
1,3-Dichlorobenzene	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	3 ST
n-Butylbenzene	U	U	U	5 ST
1,2-Dichlorobenzene	U	U	U	3 ST
1,2-Dibromo-3-chloropropane	U	U	U	0.04 ST
1,2,4-Trichlorobenzene	U	U	U	5 ST
Hexachlorobutadiene	U	U	U	0.5 ST
Naphthalene	U	U	U	10 GV
1,2,3-Trichlorobenzene	U	U	U	5 ST
Total VOCs	308	408	107.7	

NOTES:

Concentration exceeds NYSDEC Class GA
Groundwater Standards or Guidance Values

ABBREVIATIONS:

ug/L = Micrograms per liter
 --: Not established
 ST: Standard Value
 GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
 J: Compound found at a concentration below CRDL, value
 estimated
 B: Compound found in a blank as well as the sample

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM COMBINED INFLUENT ANALYSIS - INORGANIC COMPOUNDS AND GENERAL CHEMISTRY

SAMPLE ID	COMB INF	COMB INF	COMB INF	NYSDEC CLASS GA
SAMPLE TYPE	WATER	WATER	WATER	GROUNDWATER
DATE OF COLLECTION	7/14/2008	8/6/2008	9/12/2008	STANDARDS
COLLECTED BY	D&B	D&B	D&B	(ug/L)
UNITS	(ug/L)	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS				
Aluminum	12.1 B	7.8 B	65.0 B	--
Antimony	U	2.1 B	U	3
Arsenic	U	U	U	25
Barium	19.6 B	20.7 B	29.2 B	1,000
Beryllium	U	0.056 B	U	--
Cadmium	U	U	U	5
Calcium	22,900	22,300	68,400	--
Chromium	0.47 B	0.28 B	0.28 B	--
Cobalt	0.64 B	0.60 B	2.7 B	--
Copper	8.5 B	6.2 B	20.3 B	200
Iron	29.1 B	31.1 B	762	300
Lead	U	U	U	25
Magnesium	3,940 B	3,890 B	34,800	--
Manganese	1,030	1,140	1,830	300
Mercury	U	U	U	0.7
Nickel	1.2 B	0.74 B	2.6 B	100
Potassium	2,630 B	2,840 B	7,680	--
Selenium	U	3.2 B	U	10
Silver	1.5 B	3.8 B	U	50
Sodium	26,100	28,400	205,000	20,000
Thallium	U	U	U	--
Vanadium	U	U	0.55 B	--
Zinc	28.5	36.9	132	--
Iron and Manganese	1,059	1,171	2,592	500
GENERAL CHEMISTRY				
pH (S.U.)	6.2	6.1	6.3	6.5 - 8.5

NOTES: Concentration exceeds NYSDEC B: Analyte detected greater than IDL, but less than CRDL.
Class GA Groundwater Standards U: Compound analyzed for but not detected.

ABBREVIATIONS:
ug/L: Micrograms per liter
--: Not established

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EXTRACTION WELLS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	RW-1 INF	RW-2 INF	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	
DATE OF COLLECTION	9/12/2008	9/12/2008	
COLLECTED BY	D&B	D&B	
UNITS	(ug/L)	(ug/L)	
VOCs			
Dichlorodifluoromethane	U	U	5 GV
Chloromethane	U	U	—
Vinyl chloride	U	U	2 ST
Bromomethane	U	U	5 ST
Chloroethane	U	U	5 ST
Trichlorofluoromethane	U	U	5 ST
1,1-Dichloroethene	U	U	5 ST
Acetone	U	U	50 GV
Iodomethane	U	U	—
Carbon disulfide	U	U	60 GV
Methylene chloride	U	U	5 ST
trans 1,2-Dichloroethene	U	U	5 ST
Methyl-tert butyl ether	U	4.0 J	10 GV
1,1-Dichloroethane	U	2.3 J	5 ST
Vinyl acetate	U	U	—
2-Butanone	U	U	50 GV
cis-1,2-Dichloroethene	57	19	5 ST
2,2-Dichloropropane	U	U	5 ST
Bromochloromethane	U	U	5 ST
Chloroform	U	U	7 ST
1,1,1-Trichloroethane	U	1.8 J	5 ST
1,1-Dichloropropene	U	U	5 ST
Carbon tetrachloride	U	U	5 ST
1,2-Dichloroethane	U	U	0.6 ST
Benzene	U	U	1 ST
Trichloroethene	40	7.7	5 ST
1,2-Dichloropropane	U	U	1 ST
Bromodichloromethane	U	U	5 ST
cis-1,3-Dichloropropene	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	—
Toluene	U	U	5 ST
trans-1,3-Dichloropropene	U	U	0.4 ST
1,1,2-Trichloroethane	U	U	1 ST
1,3-Dichloropropane	U	U	5 ST
Tetrachloroethene	180	4.4 BJ	5 ST
2-Hexanone	U	U	50 GV
Dibromochloromethane	U	U	50 GV
1,2-Dibromoethane	U	U	5 ST
Chlorobenzene	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	5 ST
Ethylbenzene	U	U	5 ST
Xylene (total)	U	U	5 ST
Styrene	U	U	5 ST
Bromoform	U	U	50 GV
Isopropylbenzene	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	5 ST
Bromobenzene	U	U	5 ST
1,2,3-Trichloropropane	U	U	0.04 ST
n-Propylbenzene	U	U	5 ST
2-Chlorotoluene	U	U	5 ST
1,3,5-Trimethylbenzene	U	U	5 ST
4-Chlorotoluene	U	U	5 ST
tert-Butylbenzene	U	U	5 ST
1,2,4-Trimethylbenzene	U	U	5 ST
sec-Butylbenzene	U	U	5 ST
4-Isopropyltoluene	U	U	5 ST
1,3-Dichlorobenzene	U	U	3 ST
1,4-Dichlorobenzene	U	U	3 ST
n-Butylbenzene	U	U	5 ST
1,2-Dichlorobenzene	U	U	3 ST
1,2-Dibromo-3-chloropropane	U	U	0.04 ST
1,2,4-Trichlorobenzene	U	U	5 ST
Hexachlorobutadiene	U	U	0.5 ST
Naphthalene	U	U	10 GV
1,2,3-Trichlorobenzene	U	U	5 ST
Total VOCs	277	39.2	

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

ABBREVIATIONS:

ug/L = Micrograms per liter
 —: Not established
 ST: Standard Value
 GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
 J: Compound found at a concentration below CRDL, value estimated
 B: Compound found in a blank as well as the sample

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EXTRACTION WELLS - INORGANIC COMPOUNDS AND GENERAL CHEMISTRY

SAMPLE ID	RW-1 INF	RW-2 INF	NYSDEC CLASS GA GROUNDWATER STANDARDS (ug/L)
SAMPLE TYPE	WATER	WATER	
DATE OF COLLECTION	9/12/2008	9/12/2008	
COLLECTED BY	D&B	D&B	
UNITS	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS			
Aluminum	62.3 B	67.7 B	--
Antimony	2.4 B	2.0 B	3
Arsenic	U	U	25
Barium	17.9 B	31.3 B	1,000
Beryllium	U	U	--
Cadmium	U	U	5
Calcium	20,700	90,800	--
Chromium	U	U	--
Cobalt	1.0 B	0.91 B	--
Copper	5.7 B	4.9 B	200
Iron	31.9 B	1,330	300
Lead	U	U	25
Magnesium	3,630 B	47,900	--
Manganese	1,030	2,140	300
Mercury	U	U	0.7
Nickel	0.96 B	1.6 B	100
Potassium	2,610 B	10,000	--
Selenium	U	U	10
Silver	U	U	50
Sodium	26,300	293,000	20,000
Thallium	U	U	--
Vanadium	U	0.55 B	--
Zinc	25.9	25.8	--
Iron and Manganese	1,062	3,470	500
GENERAL CHEMISTRY			
pH (S.U.)	6.3	6.3	6.5 - 8.5

NOTES:

Concentration exceeds NYSDEC Groundwater Standards

QUALIFIERS:

B: Analyte detected greater than IDL, but less than CRDL.
U: Compound analyzed for but not detected.

ABBREVIATIONS:

ug/L: Micrograms per liter
--: Not established

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM MIDFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	AS-MID	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	
DATE OF COLLECTION	9/12/2008	
COLLECTED BY	D&B	
UNITS	(ug/L)	
VOCs		
Dichlorodifluoromethane	U	5 GV
Chloromethane	U	--
Vinyl chloride	U	2 ST
Bromomethane	U	5 ST
Chloroethane	U	5 ST
Trichlorofluoromethane	U	5 ST
1,1-Dichloroethene	U	5 ST
Acetone	U	50 GV
Iodomethane	U	--
Carbon disulfide	U	60 GV
Methylene chloride	U	5 ST
trans 1,2-Dichloroethene	U	5 ST
Methyl-tert butyl ether	1.3 J	10 GV
1,1-Dichloroethane	U	5 ST
Vinyl acetate	U	--
2-Butanone	U	50 GV
cis-1,2-Dichloroethene	U	5 ST
2,2-Dichloropropane	U	5 ST
Bromochloromethane	U	5 ST
Chloroform	U	7 ST
1,1,1-Trichloroethane	U	5 ST
1,1-Dichloropropene	U	5 ST
Carbon tetrachloride	U	5 ST
1,2-Dichloroethane	U	0.6 ST
Benzene	U	1 ST
Trichloroethene	U	5 ST
1,2-Dichloropropane	U	1 ST
Bromodichloromethane	U	5 ST
cis-1,3-Dichloropropene	U	0.4 ST
4-Methyl-2-pentanone	U	--
Toluene	U	5 ST
trans-1,3-Dichloropropene	U	0.4 ST
1,1,2-Trichloroethane	U	1 ST
1,3-Dichloropropane	U	5 ST
Tetrachloroethene	U	5 ST
2-Hexanone	U	50 GV
Dibromochloromethane	U	50 GV
1,2-Dibromoethane	U	5 ST
Chlorobenzene	U	5 ST
1,1,1,2-Tetrachloroethane	U	5 ST
Ethylbenzene	U	5 ST
Xylene (total)	U	5 ST
Styrene	U	5 ST
Bromoform	U	50 GV
Isopropylbenzene	U	5 ST
1,1,2,2-Tetrachloroethane	U	5 ST
Bromobenzene	U	5 ST
1,2,3-Trichloropropane	U	0.04 ST
n-Propylbenzene	U	5 ST
2-Chlorotoluene	U	5 ST
1,3,5-Trimethylbenzene	U	5 ST
4-Chlorotoluene	U	5 ST
tert-Butylbenzene	U	5 ST
1,2,4-Trimethylbenzene	U	5 ST
sec-Butylbenzene	U	5 ST
4-Isopropyltoluene	U	5 ST
1,3-Dichlorobenzene	U	3 ST
1,4-Dichlorobenzene	U	3 ST
n-Butylbenzene	U	5 ST
1,2-Dichlorobenzene	U	3 ST
1,2-Dibromo-3-chloropropane	U	0.04 ST
1,2,4-Trichlorobenzene	U	5 ST
Hexachlorobutadiene	U	0.5 ST
Naphthalene	U	10 GV
1,2,3-Trichlorobenzene	U	5 ST
Total VOCs	1.3	

NOTES:

Concentration exceeds NYSDEC Class GA
Groundwater Standards or Guidance Values

ABBREVIATIONS:

ug/L = Micrograms per liter
 --: Not established

ST: Standard Value
 GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
 J: Compound found at a concentration below
 CRDL, value estimated

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EFFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	COMB EFF	COMB EFF	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	7/14/2008	8/6/2008	9/12/2008	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
VOCs				(ug/L)
Dichlorodifluoromethane	U	U	U	NL
Chloromethane	U	U	U	NL
Vinyl chloride	U	U	U	10
Bromomethane	U	U	U	NL
Chloroethane	U	U	U	NL
Trichlorofluoromethane	U	U	U	NL
1,1-Dichloroethene	U	U	U	NL
Acetone	U	U	U	NL
Iodomethane	U	U	U	NL
Carbon disulfide	U	U	U	NL
Methylene chloride	U	U	U	NL
trans 1,2-Dichloroethene	U	U	U	10*
Methyl-tert butyl ether	U	U	U	NL
1,1-Dichloroethane	U	U	U	NL
Vinyl acetate	U	U	U	NL
2-Butanone	U	U	U	NL
cis-1,2-Dichloroethene	U	U	U	10*
2,2-Dichloropropane	U	U	U	NL
Bromochloromethane	U	U	U	NL
Chloroform	U	U	U	NL
1,1,1-Trichloroethane	U	U	U	5
1,1-Dichloropropene	U	U	U	NL
Carbon tetrachloride	U	U	U	NL
1,2-Dichloroethane	U	U	U	NL
Benzene	U	U	U	NL
Trichloroethene	U	U	U	10
1,2-Dichloropropane	U	U	U	NL
Bromodichloromethane	U	U	U	NL
cis-1,3-Dichloropropene	U	U	U	NL
4-Methyl-2-pentanone	U	U	U	NL
Toluene	U	U	U	NL
trans-1,3-Dichloropropene	U	U	U	NL
1,1,2-Trichloroethane	U	U	U	NL
1,3-Dichloropropane	U	U	U	NL
Tetrachloroethene	U	U	U	4
2-Hexanone	U	U	U	NL
Dibromochloromethane	U	U	U	NL
1,2-Dibromoethane	U	U	U	NL
Chlorobenzene	U	U	U	NL
1,1,1,2-Tetrachloroethane	U	U	U	NL
Ethylbenzene	U	U	U	NL
Xylene (total)	U	U	U	5**
Styrene	U	U	U	NL
Bromoform	U	U	U	NL
Isopropylbenzene	U	U	U	NL
1,1,2,2-Tetrachloroethane	U	U	U	NL
Bromobenzene	U	U	U	NL
1,2,3-Trichloropropane	U	U	U	NL
n-Propylbenzene	U	U	U	NL
2-Chlorotoluene	U	U	U	NL
1,3,5-Trimethylbenzene	U	U	U	NL
4-Chlorotoluene	U	U	U	NL
tert-Butylbenzene	U	U	U	NL
1,2,4-Trimethylbenzene	U	U	U	NL
sec-Butylbenzene	U	U	U	NL
4-Isopropyltoluene	U	U	U	NL
1,3-Dichlorobenzene	U	U	U	NL
1,4-Dichlorobenzene	U	U	U	NL
n-Butylbenzene	U	U	U	NL
1,2-Dichlorobenzene	U	U	U	NL
1,2-Dibromo-3-chloropropane	U	U	U	NL
1,2,4-Trichlorobenzene	U	U	U	NL
Hexachlorobutadiene	U	U	U	NL
Naphthalene	U	U	U	NL
1,2,3-Trichlorobenzene	U	U	U	NL
Total VOCs	U	U	U	

NOTES:

Concentration exceeds NYSDEC Site Specific Effluent Limitation

* - Effluent limitation for 1,2 Dichloroethene (Total)

** - Effluent limit for xylene-o= 5 ug/l, xylene-m&p = 10 ug/l

ABBREVIATIONS

ug/L = Micrograms per liter
 NL - No limit specified

QUALIFIERS:

U: Compound analyzed for but not detected

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF SYSTEM EFFLUENT ANALYSIS - INORGANIC COMPOUNDS AND GENERAL
CHEMISTRY

SAMPLE ID	COMB EFF	NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER	
DATE OF COLLECTION	9/12/2008	
COLLECTED BY	D&B	
UNITS	(ug/L)	
INORGANIC COMPOUNDS		(ug/L)
Aluminum	62.1 B	4,000
Antimony	3.0 B	NL
Arsenic	U	140
Barium	26.6 B	NL
Beryllium	U	NL
Cadmium	U	30
Calcium	73,600	NL
Chromium	U	NL
Cobalt	1.2 B	NL
Copper	6.4 B	38
Iron	967	4,000
Lead	U	NL
Magnesium	35,100	NL
Manganese	946	2,000
Mercury	U	NL
Nickel	2.1 B	65
Potassium	7,930	NL
Selenium	U	NL
Silver	U	9
Sodium	208,000	NL
Thallium	U	NL
Vanadium	0.65 B	NL
Zinc	21.9 E	370
GENERAL CHEMISTRY		
pH (S.U.)	NS	6 - 9

NOTES:

Concentration
exceeds NYSDEC
Site Specific
Effluent Limitation

QUALIFIERS:

B: Concentration above IDL but less than CRDL.
U: Compound analyzed for but not detected.
E: Compound concentration exceeds instrument calibration

ABBREVIATIONS:

ug/L: Micrograms per liter
NL : No limit specified
NS: Not sampled

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF VAPOR PHASE CARBON VESSEL (VPCV) INFLUENT - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	VPCV-INF	VPCV-INF	VPCV-INF
SAMPLE TYPE	AIR	AIR	AIR
DATE OF COLLECTION	7/14/2008	8/6/2008	9/12/2008
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m ³)	(ug/m ³)	(ug/m ³)
VOCs			
1,1,1-Trichloroethane	U	U	13 J
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	U	16 J
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,2,4-Trimethylbenzene	U	U	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloropropane	U	U	U
1,3,5-Trimethylbenzene	U	U	U
1,3-Butadiene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
4-Ethyltoluene	U	U	U
Acetone	19 J	31	15 J
Allyl chloride	U	U	U
Benzene	U	U	U
Benzyl chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon disulfide	U	3.7 J	3.3 J
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	220	140	280
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	U
Ethylbenzene	U	U	5.0 J
Freon 11	U	U	U
Freon 113	U	U	U
Freon 114	U	U	U
Freon 12	U	6.2 J	U
Heptane	U	U	U
Hexachloro-1,3-butadiene	U	U	U
Hexane	U	U	U
Isopropyl alcohol	U	U	U
m&p-Xylene	U	U	10 J
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	29
Methylene chloride	U	8.6 J	59
o-Xylene	U	U	U
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	1,300 D ⁽¹⁾	720	580
Tetrahydrofuran	U	U	U
Toluene	9.4 J	5.5 J	74
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	210	130	190
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	U	U	5.4 J
Total VOCs	1,758	1,045	1,280

NOTES:

(1) Sample analyzed at a 1:10 dilution ratio.

ABBREVIATIONS:

ug/m³ - Micrograms per cubic meter

QUALIFIERS:

U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits
D: Result reported from diluted analysis.

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF VAPOR PHASE CARBON VESSEL (VPCV) MIDFLUENT - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	VPCV-MID	VPCV-MID	VPCV-MID
SAMPLE TYPE	AIR	AIR	AIR
DATE OF COLLECTION	7/14/2008	8/6/2008	9/12/2008
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m ³)	(ug/m ³)	(ug/m ³)
VOCs			
1,1,1-Trichloroethane	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	U	U
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,2,4-Trimethylbenzene	U	21 J	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloropropane	U	U	U
1,3,5-Trimethylbenzene	U	6.5 J	U
1,3-Butadiene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
4-Ethyltoluene	U	6.8 J	U
Acetone	160	33	20 J
Allyl chloride	U	U	U
Benzene	U	9.3 J	U
Benzyl chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon disulfide	U	U	U
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	110	75	210
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	U
Ethylbenzene	6.9 J	15 J	U
Freon 11	U	U	U
Freon 113	U	U	U
Freon 114	U	U	U
Freon 12	U	U	U
Heptane	U	U	U
Hexachloro-1,3-butadiene	U	U	U
Hexane	U	U	U
Isopropyl alcohol	U	U	U
m&p-Xylene	36 J	73	U
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	U
Methylene chloride	150	26	U
o-Xylene	14 J	29	U
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	25 J	U	15 J
Tetrahydrofuran	U	U	U
Toluene	U	32	U
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	U	10 J	12 J
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	U	U	5.4 J
Total VOCs	502	337	262

ABBREVIATIONS:

ug/m³ - Micrograms per cubic meter

QUALIFIERS:

U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits

ACTIVE INDUSTRIAL UNIFORM SITE

NYSDEC SITE No. 1-52-125

RESULTS OF ANALYSIS OF VAPOR PHASE CARBON VESSEL (VPCV) EFFLUENT - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	VPCV-EFF	VPCV-EFF	VPCV-EFF
SAMPLE TYPE	AIR	AIR	AIR
DATE OF COLLECTION	7/14/2008	8/6/2008	9/12/2008
COLLECTED BY	D&B	D&B	D&B
UNITS	(ug/m ³)	(ug/m ³)	(ug/m ³)
VOCs			
1,1,1-Trichloroethane	U	U	U
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	U	U
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	U	U
1,2,4-Trimethylbenzene	U	U	13 J
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloropropane	U	U	U
1,3,5-Trimethylbenzene	U	U	U
1,3-Butadiene	U	U	U
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
4-Ethyltoluene	U	U	U
Acetone	24	17 J	5.9 J
Allyl chloride	U	U	U
Benzene	U	U	4.0 J
Benzyl chloride	U	U	U
Bromodichloromethane	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon disulfide	U	3.8 J	U
Carbon tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	U	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	120	95	150
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Ethyl acetate	U	U	U
Ethylbenzene	U	U	U
Freon 11	U	U	U
Freon 113	U	U	U
Freon 114	U	U	U
Freon 12	U	U	U
Heptane	U	U	U
Hexachloro-1,3-butadiene	U	U	U
Hexane	U	8.4 J	U
Isopropyl alcohol	U	U	U
m&p-Xylene	14 J	12 J	U
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	U	U	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-butyl ether	U	U	U
Methylene chloride	43	7.3 J	U
o-Xylene	U	6.5 J	U
Propylene	U	U	U
Styrene	U	U	U
Tetrachloroethylene	25 J	34 J	27 J
Tetrahydrofuran	U	U	U
Toluene	U	26	U
trans-1,2-Dichloroethene	U	U	U
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	U	7.8 J	5.8 J
Vinyl acetate	U	U	U
Vinyl bromide	U	U	U
Vinyl chloride	U	U	6.1 J
Total VOCs	226	218	212

ABBREVIATIONS:

ug/m³ - Micrograms per cubic meter

QUALIFIERS:

U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
SUMMARY OF VAPOR EMISSION RATES

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 7/14/08

Compound Detected ⁽¹⁾	Concentration (ug/m ³)	Flow Rate (ft ³ /min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)	Percentage of NYSDEC Permitted Effluent Limits Detected
Acetone	24	1,320	1.2E-04	NL	--
cis-1,2-Dichloroethene	120	1,320	5.9E-04	3.0E-03	19.8%
Total Xylene	14	1,320	6.9E-05	1.0E-03	6.9%
Methylene chloride	43	1,320	2.1E-04	NL	--
Tetrachloroethylene	25	1,320	1.2E-04	7.0E-03	1.8%
Total VOCs	226	1,320	1.1E-03	5.0E-01	0.2%

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 8/6/08

Compound Detected ⁽¹⁾	Concentration (ug/m ³)	Flow Rate (ft ³ /min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)	Percentage of NYSDEC Permitted Effluent Limits Detected
Acetone	17	1,320	8.4E-05	NL	--
Carbon Disulfide	3.8	1,320	1.9E-05	NL	--
cis-1,2-Dichloroethene	95	1,320	4.7E-04	3.0E-03	15.7%
Hexane	8.4	1,320	4.2E-05	NL	--
Total Xylene	19	1,320	9.2E-05	1.0E-03	9.2%
Methylene chloride	7.3	1,320	3.6E-05	NL	--
Tetrachloroethylene	34	1,320	1.7E-04	7.0E-03	2.4%
Toluene	26	1,320	1.3E-04	NL	--
Trichloroethane	7.8	1,320	3.9E-05	6.0E-03	0.6%
Total VOCs	217.8	1,320	1.1E-03	5.0E-01	0.2%

Vapor Phase Carbon Vessel Effluent (VPCV-EFF) Sample Collection Date: 09/12/08

Compound Detected ⁽¹⁾	Concentration (ug/m ³)	Flow Rate (ft ³ /min)	Emission Rate (lbs/hr)	NYSDEC Required Effluent Limits (lbs/hr)	Percentage of NYSDEC Permitted Effluent Limits Detected
1,2,4-Trimethylbenzene	13	806	3.9E-05	NL	--
Acetone	5.9	806	1.8E-05	NL	--
Benzene	4.0	806	1.2E-05	NL	--
cis-1,2-Dichloroethene	150	806	4.5E-04	3.0E-03	15.1%
Tetrachloroethylene	27	806	8.2E-05	7.0E-03	1.2%
Trichloroethene	5.8	806	1.8E-05	6.0E-03	0.3%
Vinyl chloride	6.1	806	1.8E-05	1.4E-02	0.1%
Total VOCs	212	806	6.4E-04	5.0E-01	0.1%

NOTES:

- Only detected compounds are listed. All other VOCs were undetected during this sampling event.

Concentration exceeds NYSDEC permitted effluent limits

ABBREVIATIONS:

NL - No limit specified in permit application
ug/m³ - Micrograms per cubic meter
ft³/min - Cubic feet per minute
lbs/hr - Pounds per hour

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF GROUNDWATER SAMPLING - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	MW-101	MW-102	MW-103	MW-104 ⁽²⁾	MW-105	MW-106 ⁽¹⁾	MW-107	MW-108	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
DATE OF COLLECTION	9/9/2008	9/9/2008	9/9/2008	9/9/2008	9/9/2008	9/9/2008	9/9/2008	9/9/2008	
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
VOCs									
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	5 GV
Chloromethane	U	U	U	U	U	U	U	U	2 ST
Vinyl chloride	U	U	U	U	U	U	U	U	5 ST
Bromomethane	U	U	U	U	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	50 GV
Acetone	U	U	U	U	U	U	U	U	60 GV
Iodomethane	U	U	U	U	U	U	U	U	5 ST
Carbon disulfide	U	U	U	U	U	U	U	U	5 ST
Methylene chloride	U	U	U	U	U	U	U	U	5 ST
trans 1,2-Dichloroethene	U	U	U	U	U	U	U	U	10 GV
Methyl-tert butyl ether	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	5 ST
Vinyl acetate	U	U	U	U	U	U	U	U	50 GV
2-Butanone	U	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	5 ST
2,2-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Bromochloromethane	U	U	U	U	U	U	U	U	7 ST
Chloroform	U	U	U	U	U	U	U	U	5 ST
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,1-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Carbon tetrachloride	U	U	U	U	U	U	U	U	0.6 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	1 ST
Benzene	1.3 J	6.4	38 J	2.9 J	610	2.5 J	1.0 J	U	5 ST
Trichloroethene	U	U	U	U	U	U	U	U	1 ST
1,2-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	U	U	U	U	U	U	5 ST
Toluene	U	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	5 ST
1,3-Dichloropropane	U	U	U	U	U	U	U	U	5 ST
Tetrachloroethene	1.0 JB	17 B	640 B	5.3 B	270 B	2.8 JB	U	U	50 GV
2-Hexanone	U	U	U	U	U	U	U	U	50 GV
Dibromochloromethane	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromoethane	U	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	5 ST
Xylene (total)	U	U	U	U	U	U	U	U	50 GV
Styrene	U	U	U	U	U	U	U	U	5 ST
Bromoforn	U	U	U	U	U	U	U	U	5 ST
Isopropylbenzene	U	U	U	U	U	U	U	U	0.04 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	5 ST
Bromobenzene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	5 ST
n-Propylbenzene	U	U	U	U	U	U	U	U	5 ST
2-Chlorotoluene	U	U	U	U	U	U	U	U	5 ST
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	U	5 ST
4-Chlorotoluene	U	U	U	U	U	U	U	U	5 ST
tert-Butylbenzene	U	U	U	U	U	U	U	U	5 ST
sec-Butylbenzene	U	U	U	U	U	U	U	U	3 ST
4-Isopropyltoluene	U	U	U	U	U	U	U	U	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	5 ST
n-Butylbenzene	U	U	U	U	U	U	U	U	0.04 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	5 ST
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	5 ST
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	0.5 ST
Hexachlorobutadiene	U	U	U	U	U	U	U	U	10 GV
Naphthalene	U	U	U	U	U	U	U	U	5 ST
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	
Total VOCs	2.3	105.2	678	9.8	7,310	6.3	19.9	6.3	
GENERAL CHEMISTRY									
pH (S.U.)	6.8	6.8	6.7	6.7	6.6	6.5	6.8	6.5	6-9

NOTES:
 (1) - Sample analyzed at a dilution of 50:1.
 (2) - Sample analyzed at a dilution of 6:1.
 ABBREVIATIONS
 ug/L = Micrograms per liter
 ST: Standard Value
 GV: Guidance Value
 U: Compound analyzed for but not detected
 J: Compound found at a concentration below CRDL, value estimated
 B: Compound found in a blank as well as the sample

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
RESULTS OF ANALYSIS OF GROUNDWATER SAMPLING - VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE ID	MW-109	MW-110 ^(a)	MW-111	MW-2S	NYSDEC CLASS GA	
SAMPLE TYPE	WATER	WATER	WATER	WATER	GROUNDWATER	
DATE OF COLLECTION	9/12/2008	9/12/2008	9/12/2008	9/12/2008	STANDARDS AND GUIDANCE	
COLLECTED BY	D&B	D&B	D&B	D&B	VALUES	
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)		
VOCs						
Dichlorodifluoromethane	U	U	U	U	5 GV	
Chloromethane	U	U	U	U	2 ST	
Vinyl chloride	U	U	U	U	5 ST	
Bromomethane	U	U	U	U	5 ST	
Chloroethane	U	U	U	U	5 ST	
Trichlorofluoromethane	U	U	U	U	5 ST	
1,1-Dichloroethane	U	U	U	U	5 ST	
Acetone	U	U	U	U	50 GV	
Iodomethane	U	U	U	U	60 GV	
Carbon disulfide	U	U	U	U	5 ST	
Methylene chloride	U	U	U	U	5 ST	
trans 1,2-Dichloroethane	U	U	U	U	5 ST	
Methyl-tert butyl ether	2.5 J	U	U	U	10 GV	
1,1-Dichloroethane	U	U	U	U	5 ST	
Vinyl acetate	U	U	U	U	5 ST	
2-Butanone	U	U	U	U	50 GV	
cis-1,2-Dichloroethane	1.9 J	U	U	U	5 ST	
2,2-Dichloropropane	U	U	U	U	5 ST	
Bromochloromethane	U	U	U	U	5 ST	
Chloroform	U	U	U	U	7 ST	
1,1,1-Trichloroethane	U	U	U	U	5 ST	
1,1-Dichloropropene	U	U	U	U	5 ST	
Carbon tetrachloride	U	U	U	U	5 ST	
1,2-Dichloroethane	U	U	U	U	0.6 ST	
Benzene	1.7 J	U	U	U	1 ST	
Trichloroethene	U	U	U	U	1 ST	
1,2-Dichloropropane	U	U	U	U	5 ST	
Bromodichloromethane	U	U	U	U	5 ST	
cis-1,3-Dichloropropene	U	U	U	U	5 ST	
4-Methyl-2-pentanone	U	U	U	U	5 ST	
Toluene	U	U	U	U	0.4 ST	
trans-1,3-Dichloropropene	U	U	U	U	5 ST	
1,1,2-Trichloroethane	U	U	U	U	0.4 ST	
1,3-Dichloropropane	U	U	U	U	5 ST	
Tetrachloroethene	1.8 BJ	U	U	U	50 GV	
2-Hexanone	U	U	U	U	50 GV	
Dibromochloromethane	U	U	U	U	5 ST	
1,2-Dibromoethane	U	U	U	U	5 ST	
Chlorobenzene	U	U	U	U	5 ST	
1,1,1,2-Tetrachloroethane	U	U	U	U	5 ST	
Ethylbenzene	U	U	U	U	5 ST	
Xylene (total)	U	U	U	U	5 ST	
Styrene	U	U	U	U	5 ST	
Bromoforn	U	U	U	U	50 GV	
Isopropylbenzene	U	U	U	U	5 ST	
1,1,2,2-Tetrachloroethane	U	U	U	U	5 ST	
Bromobenzene	U	U	U	U	5 ST	
1,2,3-Trichloropropane	U	U	U	U	5 ST	
n-Propylbenzene	U	U	U	U	5 ST	
2-Chlorotoluene	U	U	U	U	5 ST	
1,3,5-Trimethylbenzene	U	U	U	U	5 ST	
4-Chlorotoluene	U	U	U	U	5 ST	
tert-Butylbenzene	U	U	U	U	5 ST	
1,2,4-Trimethylbenzene	U	U	U	U	5 ST	
sec-Butylbenzene	U	U	U	U	5 ST	
4-Isopropyltoluene	U	U	U	U	5 ST	
1,3-Dichlorobenzene	U	U	U	U	3 ST	
1,4-Dichlorobenzene	U	U	U	U	3 ST	
n-Butylbenzene	U	U	U	U	5 ST	
1,2-Dichlorobenzene	U	U	U	U	0.04 ST	
1,2-Dibromo-3-chloropropane	U	U	U	U	5 ST	
1,2,4-Trichlorobenzene	U	U	U	U	0.6 ST	
Hexachlorobutadiene	U	U	U	U	10 GV	
Naphthalene	U	U	U	U	5 ST	
1,2,3-Trichlorobenzene	U	U	U	U	5 ST	
Total VOCs	7.9		49.6			
GENERAL CHEMISTRY						
BH (S.U.)	6.4	6.3	6.2		6-9	

NOTES:
 (3) - Monitoring well MW-110 was not sampled since it could not be located and has reportedly been paved over by the local municipality.
 CONCENTRATION EXCEEDS NYSDEC CLASS GA GROUNDWATER STANDARD OR GUIDANCE VALUE
 U: Compound analyzed for but not detected
 J: Compound found at a concentration below CRDL value estimated
 B: Compound found in a blank as well as the sample

ATTACHMENT E

PERFORMANCE SUMMARY

ACTIVE INDUSTRIAL UNIFORM SITE
NYSDEC SITE No. 1-52-125
EXTRACTION AND TREATMENT SYSTEM PERFORMANCE RESULTS - AQUEOUS

SAMPLE COLLECTION DATE	SYSTEM INFLUENT AVERAGE EXTRACTION RATE (gpm)	SYSTEM INFLUENT TOTAL VOC CONCENTRATION (ug/L)	SYSTEM EFFLUENT TOTAL VOC CONCENTRATION (ug/L)	TOTAL VOC REMOVAL EFFICIENCY (%)	ESTIMATED AVERAGE TOTAL VOC REMOVAL RATE (lb/hr)	ESTIMATED SYSTEM RUNTIME (hr)	CUMULATIVE TOTAL VOC REMOVAL (lbs)
2/23/2005	84.60 (RW-1) 0.00 (RW-2)	484	< 5.0	98.97%	2.05E-02	172	784.00 ⁽¹⁾
3/21/2005	83.90 (RW-1) 0.00 (RW-2)	303	< 5.0	98.35%	1.27E-02	838	787.53
4/19/2005	79.80 (RW-1) 0.00 (RW-2)	562	3 J	98.47%	2.24E-02	444	798.19 ⁽²⁾
5/16/2005	77.67 (RW-1) 0.00 (RW-2)	636	< 5.0	99.21%	2.47E-02	644	808.15
6/20/2005	75.85 (RW-1) 0.00 (RW-2)	693	< 5.0	99.28%	2.63E-02	1083	824.08
7/25/05 ⁽³⁾	69.61 (RW-1) 82.32 (RW-2)	378	< 5.0	98.68%	2.87E-02	576 (RW-1) 464 (RW-2)	852.56 ⁽²⁾
8/30/05 ⁽³⁾	70.25 (RW-1) 83.00 (RW-2)	277	< 5.0	98.19%	2.12E-02	599 (RW-1) 599 (RW-2)	867.36
9/30/05 ⁽³⁾	68.70 (RW-1) 82.50 (RW-2)	535	< 5.0	99.07%	4.05E-02	755 (RW-1) 460 (RW-2)	880.08
10/24/2005	67.10 (RW-1) 82.70 (RW-2)	397	< 5.0	98.74%	2.97E-02	559 (RW-1) 559 (RW-2)	904.13 ⁽²⁾
11/21/2005	63.83 (RW-1) 81.58 (RW-2)	464	< 5.0	98.92%	3.37E-02	669 (RW-1) 669 (RW-2)	920.76
12/19/2005	63.82 (RW-1) 80.60 (RW-2)	244	< 5.0	97.95%	1.76E-02	969 (RW-1) 969 (RW-2)	943.35
1/24/2006	63.00 (RW-1) 78.85 (RW-2)	258	< 5.0	98.08%	1.83E-02	566 (RW-1) 566 (RW-2)	960.44 ⁽²⁾
2/24/2006	67.00 (RW-1) 79.00 (RW-2)	390	< 5.0	98.72%	2.85E-02	673 (RW-1) 442 (RW-2)	970.79
3/22/2006	66.55 (RW-1) 0.00 (RW-2)	540	< 5.0	99.07%	1.80E-02	848 (RW-1) 0 (RW-2)	989.97
4/14/2006	65.46 (RW-1) 0.00 (RW-2)	560	< 5.0	99.11%	1.83E-02	395 (RW-1) 0 (RW-2)	1,005.21 ⁽²⁾
5/23/2006	64.27 (RW-1) 0.00 (RW-2)	223	< 5.0	97.76%	7.17E-03	423 (RW-1) 0 (RW-2)	1,012.46
6/22/2006	64.76 (RW-1) 0.00 (RW-2)	567	< 5.0	99.12%	1.84E-02	918 (RW-1) 0 (RW-2)	1,015.49
7/20/2006	65.32 (RW-1) 0.00 (RW-2)	550	< 5.0	99.09%	1.80E-02	473 (RW-1) 0 (RW-2)	1,032.35 ⁽²⁾
8/17/2006	63.60 (RW-1) 91.30 (RW-2)	258	< 5.0	98.06%	2.00E-02	719 (RW-1) 96 (RW-2)	1,040.86
9/19/2006	60.33 (RW-1) 90.31 (RW-2)	294	< 5.0	98.30%	2.22E-02	1016 (RW-1) 1016 (RW-2)	1,055.23
10/9/2006	59.18 (RW-1) 0.00 (RW-2)	666	< 5.0	98.30%	1.97E-02	209 (RW-1) 0 (RW-2)	1,077.73 ⁽²⁾
11/1/2006	58.40 (RW-1) 0.00 (RW-2)	840	< 5.0	99.25%	2.45E-02	550 (RW-1) 0 (RW-2)	1,081.85
12/8/2006	56.70 (RW-1) 0.00 (RW-2)	474	< 5.0	98.95%	1.34E-02	1418 (RW-1) 0 (RW-2)	1,095.35
1/5/2007	54.22 (RW-1) 0.00 (RW-2)	405	< 5.0	98.77%	1.10E-02	85 (RW-1) 0 (RW-2)	1,114.41 ⁽²⁾
2/26/2007	56.28 (RW-1) 0.00 (RW-2)	244	< 5.0	97.95%	6.87E-03	756 (RW-1) 0 (RW-2)	1,115.35
3/16/2007	52.37 (RW-1) 0.00 (RW-2)	281	< 5.0	98.22%	7.38E-03	505 (RW-1) 0 (RW-2)	1,120.54
6/15/2007	51.33 (RW-1) 0.00 (RW-2)	269 ⁽⁶⁾	< 5.0	98.14%	6.91E-03	213 (RW-1) 0 (RW-2)	1,124.26 ⁽²⁾
7/12/2007	52.26 (RW-1) 0.00 (RW-2)	257	< 5.0	98.05%	6.72E-03	266 (RW-1) 0 (RW-2)	1,125.73 ⁽²⁾
8/10/2007	52.47 (RW-1) 0.00 (RW-2)	251	< 5.0	98.01%	6.59E-03	692 (RW-1) 0 (RW-2)	1,127.52
9/12/2007	51.57 (RW-1) 0.00 (RW-2)	295	< 5.0	98.31%	7.61E-03	1232 (RW-1) 0 (RW-2)	1,132.08
10/22/2007	50.10 (RW-1) 0.00 (RW-2)	247	< 5.0	97.98%	6.19E-03	504 (RW-1) 0 (RW-2)	1,141.46 ⁽²⁾
11/13/2007	49.28 (RW-1) 0.00 (RW-2)	250	6.0	97.80%	6.18E-03	1019 (RW-1) 0 (RW-2)	1,144.58
1/28/2008	42.64 (RW-1) 0.00 (RW-2)	207	< 5.0	97.58%	4.42E-03	650 (RW-1) 0 (RW-2)	1,150.85 ⁽²⁾
2/22/2008	44.75 (RW-1) 0.00 (RW-2)	241	< 5.0	97.93%	5.39E-03	473 (RW-1) 0 (RW-2)	1,153.72
3/14/2008	43.71 (RW-1) 0.00 (RW-2)	231	< 5.0	97.83%	5.05E-03	923 (RW-1) 0 (RW-2)	1,156.28
4/21/2008	40.16 (RW-1) 0.00 (RW-2)	209	< 5.0	97.60%	4.19E-03	480 (RW-1) 0 (RW-2)	1,160.94 ⁽²⁾
5/14/2008	38.81 (RW-1) 0.00 (RW-2)	153	< 5.0	96.72%	2.98E-03	552 (RW-1) 0 (RW-2)	1,162.95
6/19/2008	40.21 (RW-1) 0.00 (RW-2)	205	< 5.0	97.56%	4.12E-03	1136 (RW-1) 0 (RW-2)	1,164.58
7/14/2008	36.96 (RW-1) 0.00 (RW-2)	503	< 5.0	93.38%	8.16E-03	317 (RW-1) 0 (RW-2)	1,169.26 ⁽²⁾
8/9/2008	36.42 (RW-1) 0.00 (RW-2)	403	< 5.0	98.77%	7.45E-03	215 (RW-1) 0 (RW-2)	1,171.21
9/12/2008	33.56 (RW-1) 70.01 (RW-2)	277 (RW-1) 89.2 (RW-2)	< 5.0	95.36%	4.65E-03 (RW-1) 1.37E-03 (RW-2)	1,228 (RW-1) 838 (RW-2)	1,172.81
							1,179.67 ⁽²⁾

ABBREVIATIONS

gpm: gallons per minute
ug/L: micrograms per liter
lb/hr: pounds per hour

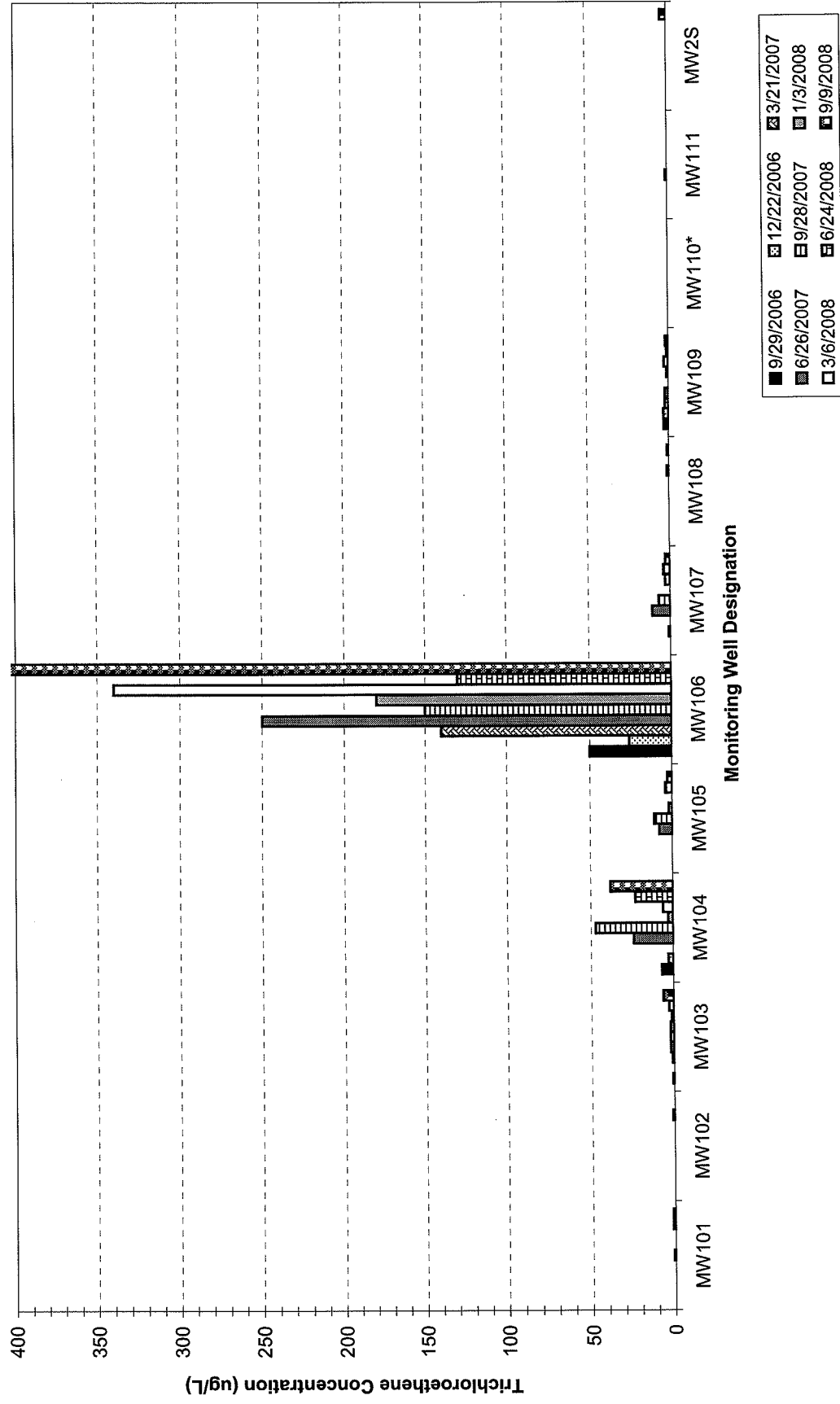
NOTES:

1. Total mass of VOC recovered through December 31, 2004 based on information contained in the Fourth Quarter 2004 Operation and Maintenance Report prepared by Blue Water Environmental Inc.
2. Estimated through the end of the reporting period.
3. Extraction well RW-2 restarted on 7/5/05 @ 16:20. Mass removal rates reflect operation of both extraction wells RW-1 and RW-2.
4. Performance results for the reporting period are shaded.
5. COMB-INF result approximated as average of 3/16/07 and 7/12/07 results due to laboratory reporting error.

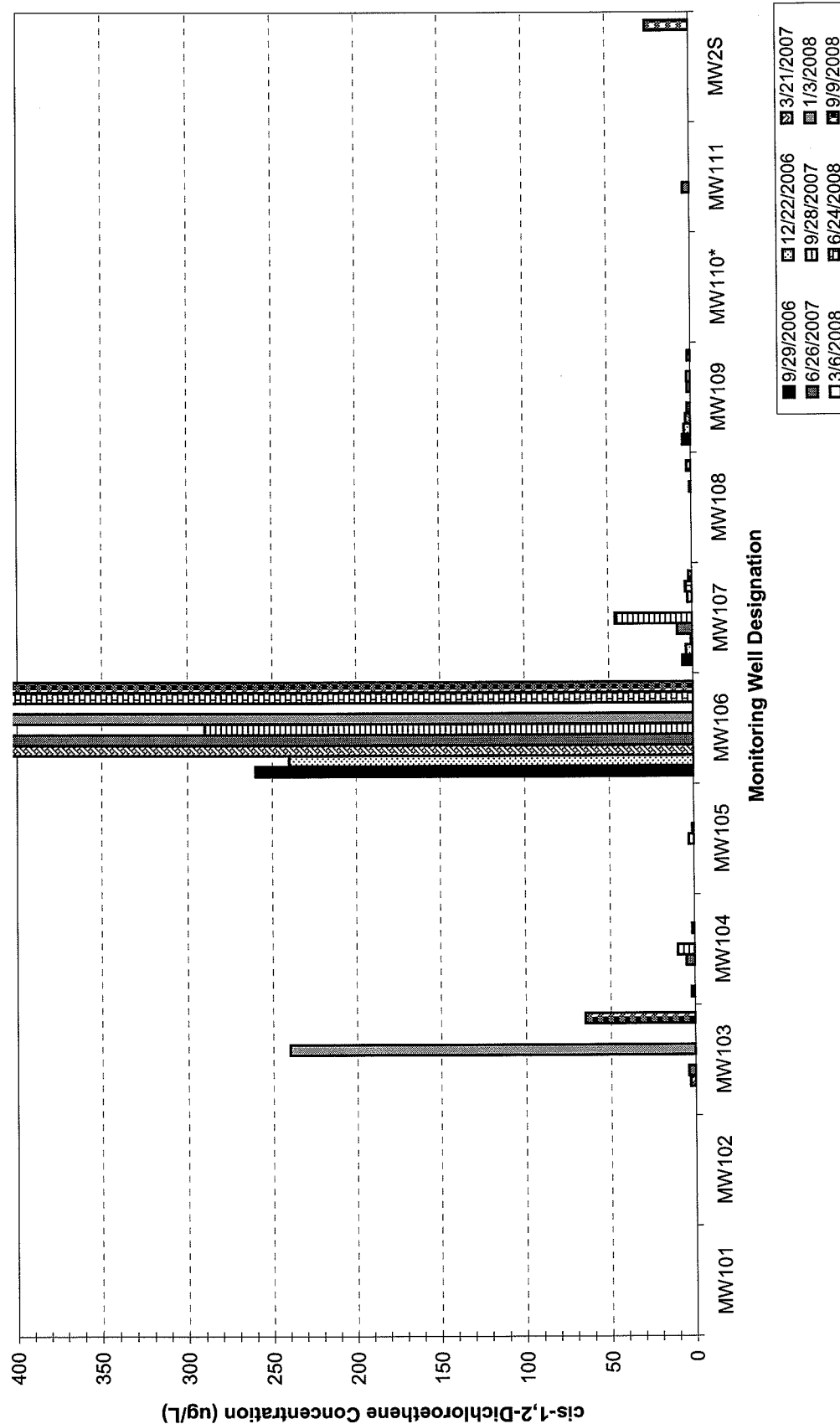
ATTACHMENT F

MONITORING WELL TREND BAR GRAPHS

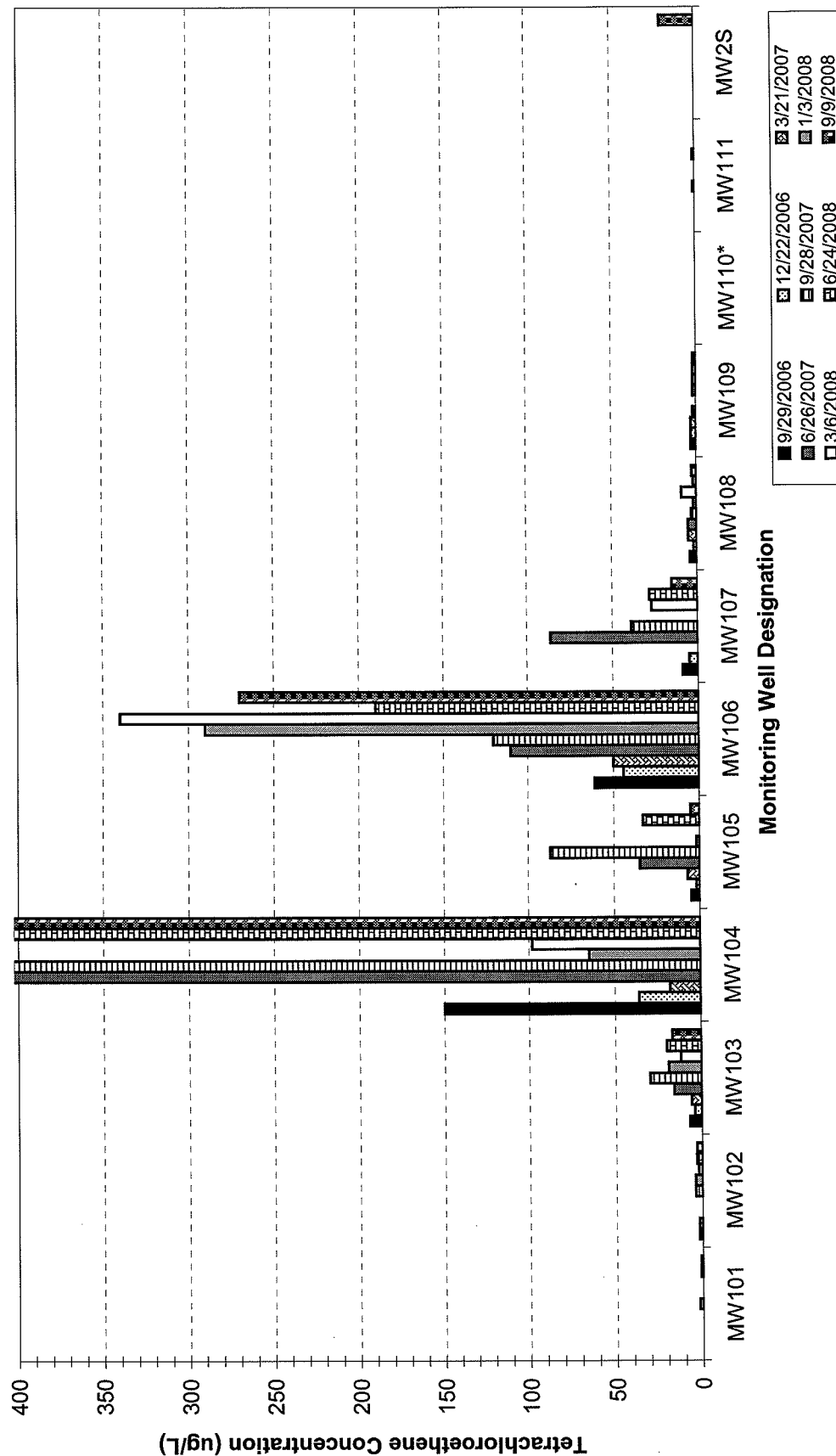
**Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Trichloroethene**



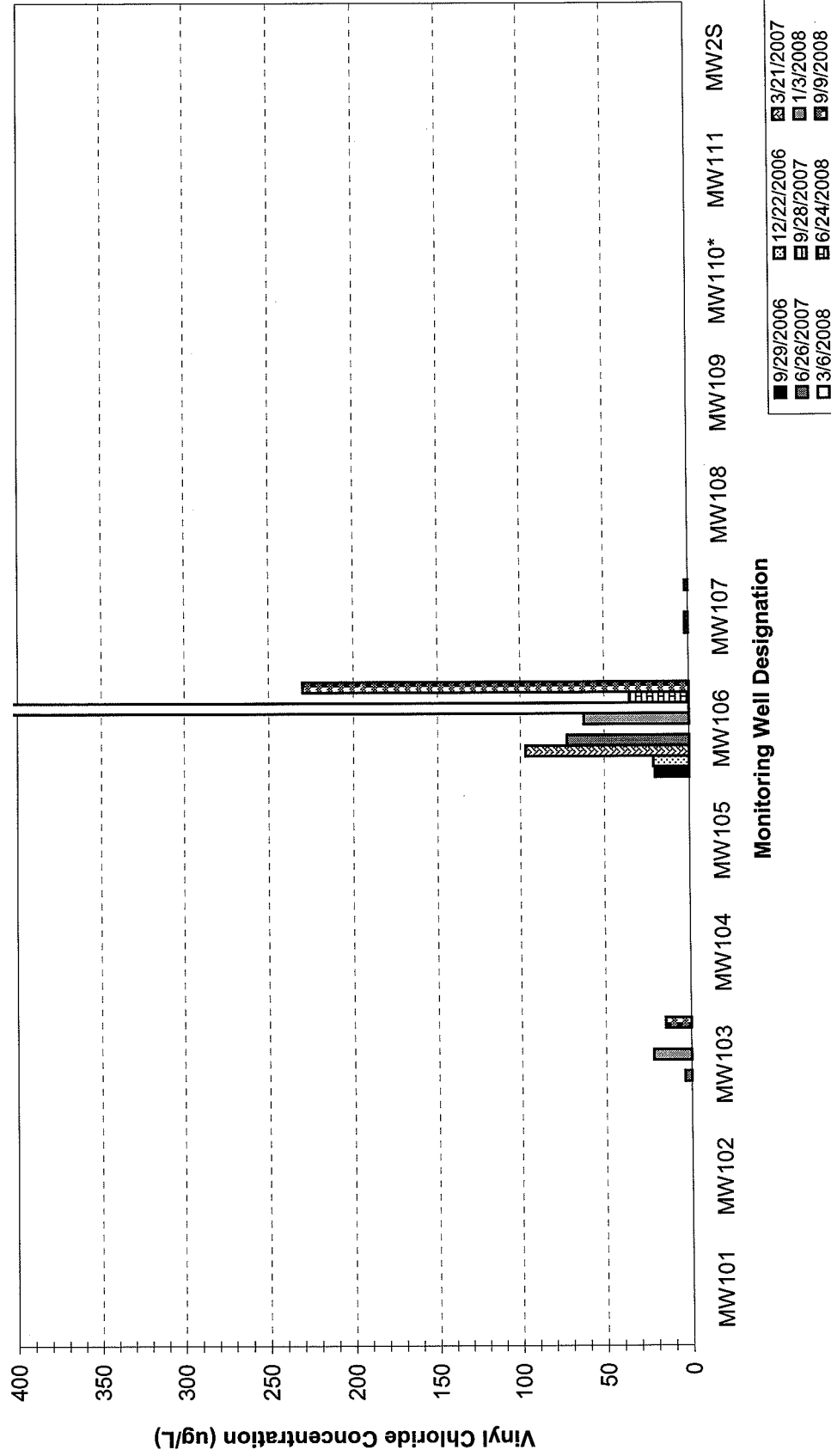
**Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - cis-1,2-Dichloroethene**



**Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Tetrachloroethene**



**Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Vinyl Chloride**



**Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Summary of Groundwater Sampling Results - Total VOCs**

