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May 26, 2011

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. 23
D&B No. 2578

Dear Mr. Long:

Quarterly Report No. 22 presents a summary of the operation, maintenance, monitoring and sampling activities performed at the Active Industrial Uniform Site groundwater extraction and treatment system, located at 63 West Montauk Highway in the Village of Lindenhurst, Suffolk County, New York (see Attachment A, Figure 1), for the period beginning July 1, 2010 through September 30, 2010.

Operation, maintenance, system monitoring and sampling activities were conducted by a New York State Department of Environmental Conservation (NYSDEC) "call-out" contractor, Environmental Assessment and Remediations (EAR), under direct contract to the NYSDEC. Reporting, data management and assessment, and additional engineering/technical evaluation services were performed by Dvirka and Bartilucci Consulting Engineers (D&B).

Presented below is a summary of system operations and maintenance completed during the quarter, as well as the results and interpretation of the sample collection and analysis completed during this reporting period at the Active Industrial Uniform site. Note that groundwater monitoring well sample data is presented in the Groundwater Sampling Report No. 3. In addition, a Site Management Plan (SMP) for the Active Industrial Uniform Site is currently being drafted by D&B.

Groundwater Extraction and Treatment System Operation and Maintenance

During this reporting period, on-site extraction well RW-1 operated at an average pumping rate of approximately 120 gallons per minute (gpm). As stated in Quarterly Report No. 22, the NYSDEC requested EAR shut down off-site extraction well RW-2 on April 21, 2010, due to the presence of historically low concentrations of chlorinated volatile organic compounds (VOCs), along with a continued decline in total VOC concentrations.

Based on a review of the data, the flow rate for RW-1 was exhibiting an overall decreasing trend prior to April 21, 2010, due to possible iron plating at the well screen and/or slight pump wear over time. At that point, the flow rate of extraction well RW-1 was manually increased to compensate for the fact that the treatment system was no longer receiving groundwater from extraction well RW-2. In addition, the increase would enhance the radius of influence to better capture chlorinated VOC-contaminated groundwater potentially migrating off-site. After April 21, 2010, the flow rate for RW-1 also shows an overall decreasing trend. A normalized graph of the average flow rate for RW-1 since May 2009 is presented in Attachment B.

During this reporting period, approximately 15,919,600 gallons of treated groundwater was discharged to Little Neck Creek. Though not included on the as-built drawings for the site, the discharge water flows to a storm water basin adjacent to the creek and the overflow from the basin flows into the creek. Approximately 49.1 pounds of total VOCs were removed from the extracted groundwater during this reporting period and approximately 1,369 pounds of total VOCs have been removed since start-up of the system. The average total VOC removal efficiency for this quarter was approximately 98.7 percent. A summary of the extraction and treatment system performance results is provided in Attachment C.

The groundwater extraction system was operational for a total of approximately 2,198 hours and inoperative for a total of approximately 10 hours due to non-routine maintenance activities. Non-routine maintenance performed during this reporting period included the following:

- Collection of granular activated carbon (GAC) samples on July 2, 2010;
- Cutting, removal and off-site disposal of the metal sea container located near the western portion of the Site on July 2 and 6, 2010;
- Painting of exterior PVC piping on July 15 and 16, 2010;
- Property maintenance on July 28, 2010 including gate repair and replacement of the poly-sheeting covering the soil piles stored at the site from the underground storage tank (UST) excavation detailed in previous quarterly reports;
- Property maintenance on September 3, 2010 including securing the property prior to a forecasted severe storm and replacement of the poly-sheeting covering the soil piles;
- Property maintenance on September 7, 2010 including replacement of the poly-sheeting covering the soil piles;
- Response to a noise complaint received by the Village of Lindenhurst on September 17, 2010. The noise was diagnosed to be originating from the roof exhaust fan. As directed by the NYSDEC, the roof fan was shut off and not repaired;
- Construction and installation of ex-situ soil-vapor extraction system on September 27 through September 30, 2010 for remediation of contaminated soil removed as part of the UST excavation; and
- Removal of skid steer equipment and disposal of debris from Site on September 30, 2010.

EAR has reported that routine maintenance was not conducted during this period. Routine blower and transfer pump maintenance is scheduled to be completed in Quarter 24.

A copy of the Site Activities Logs, System Monitoring Logs and a System Operations and Downtime Log for this reporting period, which includes a summary of system maintenance events and alarm responses, as prepared by EAR, is provided in Attachment D.

As noted in the Quarter 22 report, the treatment system effluent piping was borescoped in order to diagnose a high pressure reading and associated alarm conditions in the piping. The high pressure is possibly due to a blockage in the effluent piping. However, as the treatment system is currently only receiving water from one extraction well, treatment system effluent flow rate and pressure have reduced such that system shutdowns related to the possible effluent piping restriction have not occurred. Based on this information, and at the current influent flow rate, further diagnosis of the treatment system effluent piping is no longer warranted.

Groundwater Extraction and Treatment System Monitoring (Aqueous Samples)

Monthly groundwater samples were collected from the combined influent sample tap (COMB-INF) and the treatment system discharge sample tap (COMB-EFF) on July 28, August 31, and September 27, 2010. All samples were analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method 624. The samples collected from the combined influent sample tap were also analyzed for Target Analyte List (TAL) metals by USEPA Method 6010B and for pH by USEPA Method 9040B.

Quarterly groundwater samples were collected from the sample tap located between the two air strippers (AS-MID) and from the treatment system effluent sample tap (COMB-EFF) on September 27, 2010. Each sample was analyzed for VOCs by USEPA Method 624. The treatment system effluent sample was also analyzed for TAL metals by USEPA Method 6010B.

All sample results are summarized in Attachment E.

Based on the analytical results of influent groundwater sample collected on July 28, 2010, COMB-INF total VOCs ranged from 368 ug/l to a maximum concentration of 400 ug/l. During this reporting period tetrachloroethene (PCE) was detected in exceedance of its Class GA groundwater standard of 5.0 ug/l at concentrations ranging from 310 ug/l to 340 ug/l, with the maximum concentration detected in the sample collected on July 28, 2010. Trichloroethene (TCE) was detected in exceedance of its Class GA groundwater standard of 5.0 ug/l at concentrations ranging from 56.0 ug/l to 60.0 ug/l, with the maximum concentration detected in the sample detected on September 27, 2010. As noted in Quarterly Report No. 22, cis-1,2-dichlorethene (cis-1,2-DCE), was not analyzed during this reporting period because USEPA Method 624 does not report cis-1,2-DCE. D&B notified the NYSDEC that cis-1,2-DCE is not reported as part of Method 624 and has recommended to change the VOC analytical method back to Method 8260, in order to continue to monitor this site-specific contaminant of concern.

In addition, COMB-INF manganese was detected in exceedance of its Class GA groundwater standard of 300 ug/l at concentrations ranging from 924 ug/l to 985 ug/l, with the maximum concentration detected in the sample collected on September 27, 2010, while COMB-INF sodium was detected in exceedance of its Class GA groundwater standard of 20,000 ug/l at concentrations ranging from 23,500 ug/l to 24,200 ug/l, with the maximum concentration detected in the sample collected on September 27, 2010.

The analytical results of the aqueous phase samples collected from the air stripper midfluent exhibited concentrations of PCE (2.7 ug/l) and TCE (0.8 ug/l) below their respective NYSDEC Class GA groundwater standards of 5.0 ug/l. Based on the results, the first air stripper is effectively removing the majority of the site-specific VOCs from the influent groundwater, with a removal efficiency of approximately 99%.

The analytical results for the air stripper discharge have been compared to the NYSDEC site-specific effluent limits. Based on the aqueous phase effluent sample results, chloromethane (0.44 ug/l) was detected in the COMB-EFF sample collected on July 28, 2010, and chloromethane (0.22 ug/l) and PCE (0.5 ug/l) were detected in the COMB-EFF sample collected on September 27, 2010. Note that chloromethane does not have a NYSDEC site-specific effluent limit and the detected concentration of PCE is significantly below the NYSDEC site-specific effluent limit of 4.0 ug/l.

In addition, metals were all detected at concentrations below the NYSDEC site-specific effluent limits, and pH was detected at values within its NYSDEC site-specific effluent range of 6-9.

Groundwater Extraction and Treatment System Monitoring (Air Sampling)

Air samples were collected from the vapor phase carbon adsorption system influent (VPCV-INF), midfluent (VPCV-MID) and effluent (VPCV-EFF) sample taps on July 28, August 31, and September 27, 2010 and analyzed for VOCs utilizing USEPA Method TO-15. The results of the vapor phase carbon adsorption system samples are compared to the NYSDEC site-specific effluent limits. The vapor phase carbon adsorption system discharge sample results are provided in Attachment E.

All VOC concentrations detected in the effluent vapor samples were below the NYSDEC site-specific permit equivalency discharge limits for this reporting period, with the exception of cis-1,2-DCE. Cis-1,2-DCE was detected at concentration rates of 3.7×10^{-3} lbs/hr on July 28, 2010, 4.4×10^{-3} lbs/hr on August 31, 2010 and 6.8×10^{-3} lbs/hour on September 27, 2010, exceeding its site-specific concentration rate of 3.0×10^{-3} lbs/hr. D&B will continue to closely monitor cis-1,2-DCE concentrations in the treatment system vapor samples. In addition, upon review of the data, the NYSDEC was immediately notified of these exceedances. It is again recommended to change out the granulated activated carbon (GAC) in the two on-site carbon vessels.

Data Validation

The data packages submitted by Test America have been reviewed for completeness and compliance with NYSDEC ASP Quality Assurance/Quality Control (QA/QC) requirements. Test America is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified

laboratory. All sample results have been deemed valid and usable for environmental assessment purposes, except as noted below:

- For air samples collected on July 28, 2010, the laboratory used a one-point calibration for ethanol and ethanol was qualified as estimated (J/UJ) in all samples.
- For air samples collected on September 27, 2010, cis-1,2-DCE and isopropyl alcohol were detected above the linear range of the instrument calibration and were reanalyzed at a secondary dilution. The associated results are qualified with a "D."

Data Validation Checklists are presented in Attachment F.

Findings

Based on the results of performance monitoring conducted during this reporting period, D&B offers the following findings:

- The results of the system influent samples show that extraction well RW-1 is continuing to capture VOC-contaminated groundwater.
- The replacement analytical method approved for VOC analysis (USEPA Method 624) includes all site-specific contaminants of concern, with the exception of cis-1,2-DCE.
- Extraction well RW-1 was pumping at an average rate of 120 gpm during this reporting period, which is higher than the contract-required flow rate range of 80.0 gpm to 100 gpm, as specified in the Active Industrial Uniform Site Contract Documents. As detailed in Quarterly Report No. 22, extraction well RW-1 was adjusted to pump at a higher extraction rate after extraction well RW-2 was shut down on April 21, 2010, in order to increase its on-site radius of influence and ensure that all on-site VOCs are captured prior to migration off-site.
- The effluent pressure readings have been lower, as compared to previous quarters, due to only RW-1 pumping.
- Note that no new supply wells have been installed on the Active Industrial property and, based on a windshield inspection of the immediate area, no new schools or parks have been constructed in the vicinity of or downgradient from the Active Industrial property.
- The Class GA Groundwater Standards and Guidance Values and the NYSDEC site-specific effluent limits have not changed since system start-up in December 2001. A new DER-10 document, dated May 2010, has been implemented since the March 1998 ROD was issued.
- The toxicity data, cleanup levels and remedial action objectives, as defined in the March 1997 Record of Decision, remain unchanged.

Recommendations

Based on the results of performance monitoring completed during this reporting period, D&B provides 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.
- Based on the exceedances noted in the vapor phase effluent samples collected from the carbon vessels, it is warranted to replace the granular activated carbon contained in the carbon vessels.
- Due to the fact that the treatment system is currently only receiving water from extraction well RW-1, further diagnosis of the treatment system effluent piping is no longer warranted. However, if the influent flow rate and, therefore, pressure is increased in the future, it may be warranted to continue the borescoping of the effluent piping.
- Modify the analytical method for VOCs back to USEPA Method 8260 in order to monitor the concentrations of cis-1,2-DCE in site groundwater.

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

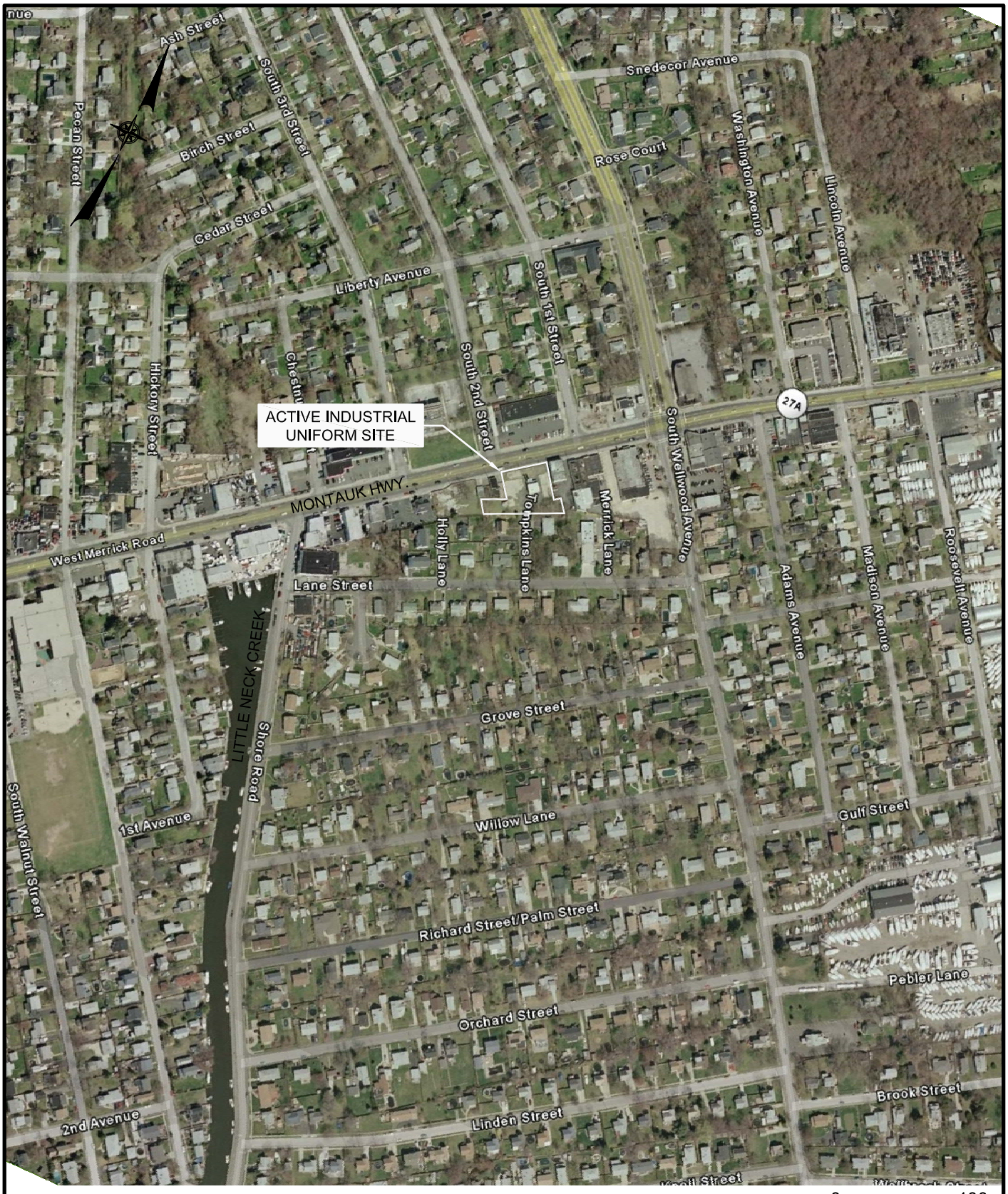
Very truly yours,

Stephen Tauss
Project Manager

SET/Pm(t)/j/lf
Attachments
cc: R. Walka (D&B)
P. Martorano (D&B)
F. DeVita (D&B)
♦2578\SET031011PL_QR23.DOC(R09)

ATTACHMENT A

FIGURES



SOURCE: GOOGLE EARTH 2005

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

ACTIVE INDUSTRIAL UNIFORM SITE
VILLAGE OF LINDENHURST, NEW YORK

SITE LOCATION MAP

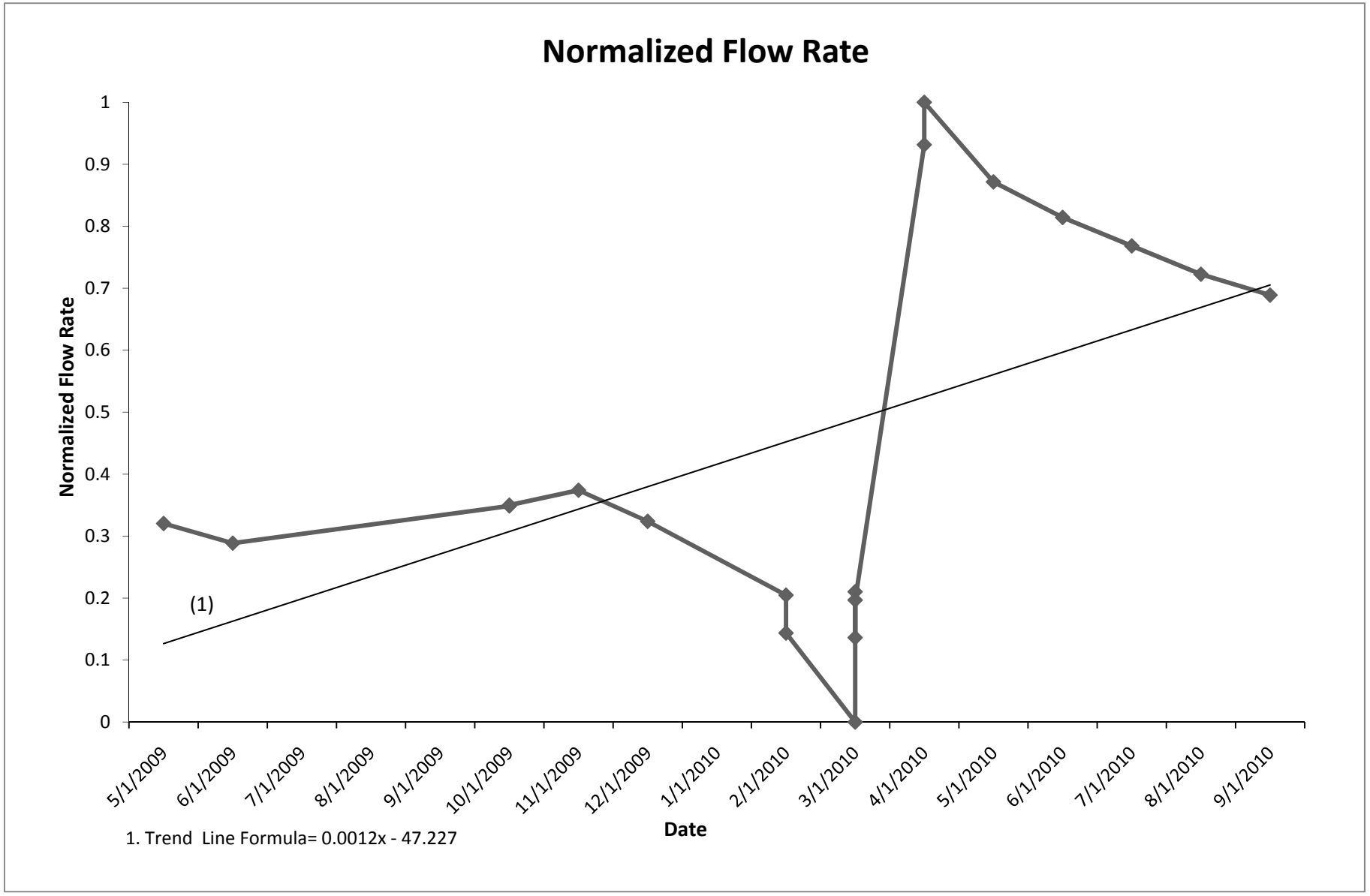
FIGURE 1

F:\2578\Quarterly Report\FIGURE 1.dwg, 5/26/2011 11:22:53 AM, Adobe PDF

ATTACHMENT B

NORMALIZED GRAPH OF
AVERAGE FLOW RATE FOR RW-1

Active Industrial Uniform Site
NYSDEC Site No. 1-52-125
Extraction Well RW-1



Normalized Graph RW-1

ATTACHMENT C

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)
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)	1,077.73 (2)
10/9/2006	59.18 (RW-1) 0.00 (RW-2)	666	< 5.0	99.25%	1.97E-02	209 (RW-1) 0 (RW-2)	1,081.85
11/1/2006	58.40 (RW-1) 0.00 (RW-2)	840	< 5.0	99.40%	2.45E-02	550 (RW-1) 0 (RW-2)	1,095.35
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)	1,114.41 (2)
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)	1,115.35
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)	1,120.54
3/16/2007	52.37 (RW-1) 0.00 (RW-2)	281	< 5.0	98.22%	7.36E-03	505 (RW-1) 0 (RW-2)	1,124.26 (2)
6/15/2007	51.33 (RW-1) 0.00 (RW-2)	269 (5)	< 5.0	98.14%	6.91E-03	213 (RW-1) 0 (RW-2)	1,125.73 (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)	1,127.52
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)	1,132.08
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)	1,141.46 (2)
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)	1,144.58
11/13/2007	49.28 (RW-1) 0.00 (RW-2)	250	6.0	97.60%	6.16E-03	1019 (RW-1) 0 (RW-2)	1,150.85 (2)
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)	1,153.72
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)	1,156.28
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)	1,160.94 (2)
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)	1,162.95
5/14/2008	38.81 (RW-1) 0.00 (RW-2)	153	< 5.0	96.72%	2.96E-03	552 (RW-1) 0 (RW-2)	1,164.58
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)	1,169.26 (2)
7/14/2008	39.96 (RW-1) 0.00 (RW-2)	308	< 5.0	98.38%	6.16E-03	317 (RW-1) 0 (RW-2)	1,171.21
8/6/2008	36.42 (RW-1) 0.00 (RW-2)	408	< 5.0	98.77%	7.43E-03	215 (RW-1) 0 (RW-2)	1,172.81
9/12/2008	33.56 (RW-1) 70.01 (RW-2)	277 (RW-1) 39.2 (RW-2)	< 5.0	95.36%	4.65E-03 (RW-1) 1.37E-03 (RW-2)	1,228 (RW-1) 838 (RW-2)	1,179.67 (2)
10/22/2008	19.22 (RW-1) 82.51 (RW-2)	91.9	< 5.0	94.56%	4.68E-03	483 (RW-1) 483 (RW-2)	1,181.93
11/21/2008	24.64 (RW-1) 79.18 (RW-2)	97.6	< 5.0	94.88%	5.07E-03	718 (RW-1) 718 (RW-2)	1,185.57
12/16/2008	24.55 (RW-1) 79.22 (RW-2)	80.6	< 5.0	93.80%	4.18E-03	740 (RW-1) 740 (RW-2)	1,188.67 (2)
1/13/2009	25.50 (RW-1) 78.57 (RW-2)	68.0	< 5.0	92.65%	3.54E-03	0.75 (RW-1) 0.75 (RW-2)	1,188.67
2/27/2009	29.98 (RW-1) 87.28 (RW-2)	81.0	< 5.0	93.83%	4.75E-03	157 (RW-1) 157 (RW-2)	1,189.42
4/1/2009	29.79 (RW-1) 86.99 (RW-2)	78.1	< 5.0	93.60%	4.56E-03	754 (RW-1) 754 (RW-2)	1,192.85 (2)
4/24/2009	29.38 (RW-1) 83.02 (RW-2)	89.1	< 5.0	94.39%	5.01E-03	527 (RW-1) 527 (RW-2)	1,195.50
5/14/2009	88.43 (RW-1) 82.80 (RW-2)	330 (RW-1) 15.0 (RW-2)	< 5.0	98.48%	1.46E-02 (RW-1) 6.21E-04 (RW-2)	305 (RW-1) 408 (RW-2)	1,200.20
7/1/2009	86.12 (RW-1) 84.37 (RW-2)	152.8	< 5.0	96.73%	6.58E-03	157 (RW-1) 157 (RW-2)	1,201.24
10/28/2009	90.59 (RW-1) 84.78 (RW-2)	109.6	7.7	92.97%	4.97E-03	621 (RW-1) 621 (RW-2)	1,204.32
11/17/2009	92.34 (RW-1) 84.78 (RW-2)	321.3 (RW-1) 13.9 (RW-2)	< 5.0	98.44%	1.48E-02 (RW-1) 5.9E-04 (RW-2)	440 (RW-1) 27 (RW-2)	1,210.87
12/23/2009	88.69 (RW-1) 0.00 (RW-2)	525.3	< 5.0	99.05%	2.33E-02	865 (RW-1) 0 (RW-2)	1,231.02
3/1/2010	65.06 (RW-1) 66.18 (RW-2)	338.0 (RW-1) 13.0 (RW-2)	< 5.0	98.52%	1.10E-02 (RW-1) 4.3E-04 (RW-2)	721 (RW-1) 136 (RW-2)	1,239.02
3/25/2010	79.42 (RW-1) 79.42 (RW-2)	392.6 (RW-1) 13.0 (RW-2)	< 5.0	98.73%	1.56E-02 (RW-1) 5.2E-04 (RW-2)	638 (RW-1) 523 (RW-2)	1,249.24
4/29/2010	138.00 (RW-1) 66.42 (RW-2)	637.0 (RW-1) 13.0 (RW-2)	< 5.0	99.22%	4.40E-02 (RW-1) 4.3E-04 (RW-2)	464 (RW-1) 275 (RW-2)	1,269.74
5/27/2010	128.63 (RW-1) 0.00 (RW-2)	560.0	< 5.0	99.11%	3.60E-02	671 (RW-1) 0 (RW-2)	1,293.93
6/24/2010	124.45 (RW-1) 0.00 (RW-2)	510.6	< 5.0	99.02%	3.18E-02	822 (RW-1) 0 (RW-2)	1,320.06
7/28/2010	121.10 (RW-1) 0.00 (RW-2)	400.0	< 5.0	98.75%	2.42E-02	649 (RW-1) 0 (RW-2)	1,335.79
8/31/2010	117.77 (RW-1) 0.00 (RW-2)	367.6	< 5.0	98.64%	2.17E-02	815 (RW-1) 0 (RW-2)	1,353.45
9/27/2010	115.31 (RW-1) 0.00 (RW-2)	371.5	< 5.0	98.65%	2.14E-02	734 (RW-1) 0 (RW-2)	1,369.17

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.

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

ATTACHMENT D

SITE LOGS

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KH, GW, PM	6-24-10 0900	1530		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Continue (DAY2) cutting of Sea Container. Deliver metal to Recycling Center.

KS	6-24-10 0900	1530	X	Monitoring	X	Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Semi-annual Sampling. Monthly site Check & property Maintenance

KS	7-1-10 0800	0815		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Pick up log Book.

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KH, BC	7-2-10 0800	1430		Monitoring		Maintenance
GW	1130	1430		Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
Continue Cutting up Container. Deliver metal to recycling center
Collect carbon sample. Tot 24937280 @ 0915

KH, GW	7-6-10 0900	1230		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
Continue cutting up sea container. Deliver metal

KH, PB	7-15-10 @800	1445		Monitoring		Maintenance
KH, PB	7-16-10 @ 800	1345		Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
Begin painting exterior PVC Piping, Turnoff system @ 915 RW1 Totalizer 25136528
" " " " " @825 " " 25177616

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
SR	7/21/10 1045	1145		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: MEET RENTAL EQUIPMENT CO. to provide ACCESS + return KEY FOR EQUIPMENT PICK UP.

KS	7/28/10 0845	1445	X	Monitoring	X	Maintenance
KH	7/28/10 1115	1445	X	Sampling		Other (Provide Description)
				Alarm Response		

Description: monthly site check + system Sampling. Property maintenance. Support w/ Gate repair + to resecure + apply new plastic to soil piles.

KS	7/30/10 1400	1415		Monitoring		Maintenance
KS	8/5/10 1330	1345		Sampling		Other (Provide Description)
				Alarm Response		

Description:
1) Pick up Log Book
2) Deliver Log Book to site

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	8/31/10 0815	1200	X	Monitoring	X	Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Monthly site check & System Sampling. Minimal Property Maintenance

SR, MM	9/3/10 0850	0930		Monitoring	X	Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: On-site to secure property for up-coming hurricane. Including covering all exposed soil debris with plastic cover.

KH	9/7/10 1415	1500		Monitoring	X	Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Re-cover & secure soil after storm.

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
MF	9/10 1330	1445		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Pick up traffic cones + safety equipment left on site.

KMK, JAB	9/16/10 0915	1500	X	Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: GWS

KMK, GW	9/17/10 0845	1415	X	Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: GWS

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KH	9/17/10 1436	1530		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Respond to noise complaint. Investigate noise from system.

KH, BC, KmK	9/24/10 0800	1500		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Begin prep for vent system of contaminated soil.

DG, RBA	9/27/10 0800	1415		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Continue installation of SVE system.

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	9/27/10 0845	1230	X	Monitoring	X	Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Qtly Sampling & Site Check.

PL / RBA	9/28/10 0900	1500		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Continue Installation of SVE System.

DG, RBA	9/29/10 0800	1415		Monitoring	X	Maintenance
PL	9/29/10 1000	1500		Sampling		Other (Provide Description)
				Alarm Response		

Description: Continue Installation of SVE System

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SITE ACTIVITIES LOG

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
DG / PB	9/30/10 0800	1400		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Complete SVE System Install.

BC	9/30/10 1030	1300		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Remove Skid Steer equipment from site. Dispose of Debre from site.

JAB	9/30/10 1245	1315		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Collect a Sample AS per Instructed by PM. Submit sample to Test America.

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE No. 1-52-125
SYSTEM MONITORING LOG

DATE	3/25/10 KS	4/29/10 KS	5/27/10 KS	06/24/10 KS	7/28/10 KS
TIME	0930	0930	0900	0900	0845
RW-1					
Flow Rate (gpm)	79.42	138	128.63	124.45 gpm	121.10
Total Flow (gal)	233373456 0924	237609744@0951	242917712@0946	247950560@0932	253849000@1052
Depth to Water (feet)		12.98	13.39	13.41	13.47
Water Column Above Pump (feet)	—	—	—	—	—
Pump Pressure (psi)	33 psi	19	18 psi	17.5 psi	17 psi
RW-2					
Flow Rate (gpm)	66.42	—	—	—	—
Total Flow (gal)	129900792 0935	—	—	—	—
Bicycle Pump Pressure Reading (psi) DTW –		—	—	—	—
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—	—	—	—
Pump Pressure (psi)	65 psi	15	15	15	—
Air Stripping Tower (ST-1)					
Stripper Inlet (Combined Influent) Pressure (psi)	13 psi	13	13 psi	13 psi	12.5
Transfer Pump (P-1) Outlet Pressure (psi)	22.2 psi	22.1	22 psi	22 psi	22 psi
Sump Level (inches)	20"	20"	20"	20"	20
Discharge Speed (%)	52.3	48.5	48.7 %	47.0 %	46.9 %
Air Stripping Tower (ST-2)					
Stripper Inlet Pressure (psi)	22.2 psi	22.1	22 psi	22 psi	22 psi
Transfer Pump (P-2) Outlet Pressure (psi)	45 psi	33	28 psi	25 psi	22 psi
Sump Level (inches)	22"	21	21"	21"	21
Discharge Speed (%)	79.2	79.2	67.3 %	48.0 %	61.4 %
Air Stripper Blower (B-1)					
Moisture Knockout Influent (ST-2 Effluent) Vacuum (inches H_2O)	2.5 inch H_2O	3 inch H_2O	2.5" H_2O	3" H_2O	3.5
Blower Influent Vacuum (inches H_2O)	Down.	—	—	—	—
Blower Effluent Pressure (inches H_2O)	9	8	7.2	7.2" H_2O	7.2 H_2O
Blower Effluent Velocity (feet/minute)	3425 / 2998	3350	3132	3785	4395
Blower Effluent Temperature (°F)	68° / 70.08°	70.7 F	70° F	81.3° F	82.0°
Blower Effluent Flow Rate (ft^3/minute)	/	1225			391
Treated Water Discharge					
Flow Rate (gpm)	161.73	144.2	133.74	127.43 gpm	123.93 gpm
Total Flow (gal)	357216516/20 0957	364420768 @	369933664@0947	375116264@0934	381160000@0945

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE No. 1-52-125
SYSTEM MONITORING LOG

DATE	3/25/10 KS	4/29/10 KS	5/27/10 KS	6/24/10 KS	7/28/10 KS
TIME	0930	0930	0900	0900	0895
Vapor Phase Carbon					
Lead vessel pressure (inches H_2O)	8	7.5	6.5	7	7
Lead vessel temperature (°F)	69°	70°	72°	89°	88°
Lag vessel pressure (inches H_2O)	4.5	3.5	3.5	3.5	3.5
Lag vessel temperature (°F)	59°	65°	71°	80°	80°
Catridge Filter System					
Inlet Pressure (psi)					
Outlet Pressure (psi)					
Pressure Differential (psi)					
Process Sampling Performed					
(Monthly) Combined Influent (VOCs, TAL Inorganics, pH)	1007	1035	1039	1009	1217
(Monthly) ~~Combined~~ Effluent (VOCs)	1017	1042	1058	1025	1230
(Monthly) Influent Vapor (VOCs)	1105 > 1106	1142	1106	1123	1243
(Monthly) Mid-fluent Vapor (VOCs)	1112-1113	1133	1126	1147	1258
(Monthly) Effluent Vapor (VOCs)	1116-1117	1126	1136	1133	1307
(Quarterly) Influent RW-1 (VOCs, TAL Inorganics, pH)	1039			1038	
(Quarterly) Influent RW-2 (VOCs, TAL Inorganics, pH)	1052				
(Quarterly) Mid-fluent (VOCs)	1026			1048	
(Quarterly) Effluent (TAL Inorgaincs)	1017			1025	
(Semi-Annual) Effluent (pH, COD, TSS TDS)				1025	
(Semi-Annual) Effluent (Field Test - DO, Conductivity, turbidity, chlorine)				1025	

COMMENTS

4/29/10 RW-2 Not Running.
5/27/10 RW-2 Remains off.

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE No. 1-52-125
SYSTEM MONITORING LOG

DATE	8/31/10 KS	9/27/10 KS			
TIME	0815	0845			
RW-1					
Flow Rate (gpm)	117.77	115.31			
Total Flow (gal)	25966376@105	26415454400910			
Depth to Water (feet)	13.17	13.12			
Water Column Above Pump (feet)	—	—			
Pump Pressure (psi)	17psi	17			
RW-2					
Flow Rate (gpm)	—	—			
Total Flow (gal)	—	—			
Bicycle Pump Pressure Reading (psi)	—	—			
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—			
Pump Pressure (psi)	—	—			
Air Stripping Tower (ST-1)					
Stripper Inlet (Combined Influent) Pressure (psi)	13	13			
Transfer Pump (P-1) Outlet Pressure (psi)	22	22			
Sump Level (inches)	20	20			
Discharge Speed (%)	46.6	46.3			
Air Stripping Tower (ST-2)					
Stripper Inlet Pressure (psi)	22	22			
Transfer Pump (P-2) Outlet Pressure (psi)	22	21			
Sump Level (inches)	21	20			
Discharge Speed (%)	0	0.0			
Air Stripper Blower (B-1)					
Moisture Knockout Influent (ST-2 Effluent) Vacuum (inches H_2O)	4.5	3.5			
Blower Influent Vacuum (inches H_20)	—	—			
Blower Effluent Pressure (inches H_2O)	7.2	7.2			
Blower Effluent Velocity (feet/minute)	3335	3355			
Blower Effluent Temperature (°F)	83.5	76.8			
Blower Effluent Flow Rate (ft^3/minute)	290	159.5			
Treated Water Discharge					
Flow Rate (gpm)	120.19	115.00			
Total Flow (gal)	38712758@1023	39171584000910			

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE No. 1-52-125
SYSTEM MONITORING LOG

DATE	8/31/10 KS	9/27/10 KS			
TIME	0815	0845			
Vapor Phase Carbon					
Lead vessel pressure (inches H_2O)	7	6.5			
Lead vessel temperature (°F)	89°	72°			
Lag vessel pressure (inches H_2O)	3.5	3.5			
Lag vessel temperature (°F)	80°	72°			
Catridge Filter System					
Inlet Pressure (psi)					
Outlet Pressure (psi)					
Pressure Differential (psi)					
Process Sampling Performed					
(Monthly) Combined Influent (VOCs, TAL Inorganics, pH)	@ 1041	@ 1022			
(Monthly) Combined Effluent (VOCs)	@ 1048	@ 1035			
(Monthly) Influent Vapor (VOCs)	@ 1107	@ 1116			
(Monthly) Mid-fluent Vapor (VOCs)	@ 1114	@ 1127			
(Monthly) Effluent Vapor (VOCs)	@ 1123	@ 1137			
(Quarterly) Influent RW-1 (VOCs, TAL Inorganics, pH)		@ 1048			
(Quarterly) Influent RW-2 (VOCs, TAL Inorganics, pH) DRY		@ —			
(Quarterly) Mid-fluent (VOCs)		@ 1100			
(Quarterly) Effluent (TAL Inorgaincs)		@ 1035			
(Semi-Annual) Effluent (pH, COD, TSS TDS)					
(Semi-Annual) Effluent (Field Test - DO, Conductivity, turbidity, chlorine)					

COMMENTS

8/31/10 System running normal on Arrival + departure.

9/27/10 System running normal on arrival + Departure.

ACTIVE INDUSTRIAL UNIFORM SITE, NYSDEC SITE NO. 1-52-125
SYSTEM OPERATIONS AND DOWNTIME SHEET

SHUT-OFF DATE/TIME	RESTART DATE/TIME	CAUSE	ACTIONS TAKEN	TOTALIZER READING
4/2/10 1000	4/21/10 @ 1230	Video tape	cut Effluent line tork for Work.	RW-1 235905168 RW-2 131176352
4/29/10 1300	4/29/10 1320	KOD	Empty	RW1 237634048
— —	6/10/10 0900	HH/ASH1	Pumpdown / restart	RW1 245434208
7/15/10 @ 915	7-15-10 1400		Painting PVC Piping	RW1 251636528
7-16-10 @ 825	7-15-10 1320		" " "	RW1 251771616
10-4-10 @ 940	10-4-10 @ 1131	Tran for PUMP fault	Reset and start & stop	RW1 266272202
10/26/10 @ 1423	10-26-10 1545	Replace Ports		268896224
10/28/10 @ 1244	10/28/10 1400	" "		269199840

ATTACHMENT E

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	7/28/2010	8/31/2010	9/27/2010	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
VOCs				
Dichlorodifluoromethane	U	U	U	5 GV
Chloromethane	0.52 J	U	U	--
Vinyl Chloride	1.5 J	1.6 J	1.5 J	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
Methylene Chloride	U	U	U	5 ST
trans-1,2-Dichloroethene	U	U	U	5 ST
1,1 Dichloroethane	U	U	U	5 ST
Chloroform	U	U	U	7 ST
1,2 Dichloroethane	U	U	U	0.6 ST
1,1,1 Trichloroethane	U	U	U	5 ST
Carbon Tetrachloride	U	U	U	5 ST
Trichloroethlyene	**58**	**56**	**60**	5 ST
1,2 Dichloropropane	U	U	U	1 ST
Bromodichloromethane	U	U	U	5 ST
2-Chloroethyl Vinyl Ether	U	U	U	5 ST
c 1,3 Dichloropropene	U	U	U	0.4 ST
t 1,3 Dichloropropene	U	U	U	0.4 ST
1,1,2 Trichloroethane	U	U	U	1 ST
Dibromochloromethane	U	U	U	50 GV
Bromoform	U	U	U	50 GV
Tetrachloroethene	**340**	**310**	**310**	5 ST
Chlorobenzene	U	U	U	5 ST
1,1,2,2 Tetrachloroethane	U	U	U	5 ST
1,3 Dichlorobenzene	U	U	U	3 ST
1,4 Dichlorobenzene	U	U	U	3 ST
1,2 Dichlorobenzene	U	U	U	3 ST
Total VOCs	400.02	367.6	371.5	

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 COMBINED INFLUENT ANALYSIS - INORGANIC COMPOUNDS AND GENERAL CHEMISTRY

SAMPLE ID	COMB INF	COMB INF	COMB INF	NYSDEC CLASS GA GROUNDWATER STANDARDS (ug/L)
SAMPLE TYPE	WATER	WATER	WATER	
DATE OF COLLECTION	7/28/2010	8/31/2010	9/27/2010	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
INORGANIC COMPOUNDS				
Aluminum	U	U	U	--
Antimony	U	U	U	3
Arsenic	U	U	U	25
Barium	15.8	16.0	16.3	1,000
Beryllium	U	U	U	--
Cadmium	U	U	U	5
Calcium	21,200	21,500	21,400	--
Chromium	U	U	U	--
Cobalt	U	U	U	--
Copper	14.3	8.2 J	12.2	200
Iron	134	142	181	300
Lead	U	U	6.7 J	25
Magnesium	3,440	3,410	3,490	--
Manganese	**924**	**981**	**985**	300
Mercury	U	U	U	0.7
Nickel	U	U	U	100
Potassium	2,580	2,550	2,660	--
Selenium	U	U	U	10
Silver	U	0.3 J	U	50
Sodium	**24,200**	**23,500**	**24,000**	20,000
Thallium	U	U	U	--
Vanadium	U	U	1.3 J	--
Zinc	130	156	127	--
Iron and Manganese	**1,058**	**1,123**	**1,166**	500
GENERAL CHEMISTRY				
pH (S.U.)	6.61	**6.13**	7.52	6.5 - 8.5

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards

ABBREVIATIONS:

ug/L: Micrograms per liter
--: Not established
S.U.: Standard units

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 MIDFLUENT ANALYSIS - VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	AS-MID	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES (ug/L)
SAMPLE TYPE	WATER	
DATE OF COLLECTION	9/27/2010	
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
Methylene Chloride	U	5 ST
trans-1,2-Dichloroethene	U	5 ST
1,1 Dichloroethane	U	5 ST
Chloroform	U	7 ST
1,2 Dichloroethane	U	0.6 ST
1,1,1 Trichloroethane	U	5 ST
Carbon Tetrachloride	U	5 ST
Trichloroethlyene	0.8 J	5 ST
1,2 Dichloropropane	U	1 ST
Bromodichloromethane	U	5 ST
2-Chloroethyl Vinyl Ether	U	5 ST
c 1,3 Dichloropropene	U	0.4 ST
t 1,3 Dichloropropene	U	0.4 ST
1,1,2 Trichloroethane	U	1 ST
Dibromochloromethane	U	50 GV
Bromoform	U	50 GV
Tetrachloroethene	2.7 J	5 ST
Chlorobenzene	U	5 ST
1,1,2,2 Tetrachloroethane	U	5 ST
1,3 Dichlorobenzene	U	3 ST
1,4 Dichlorobenzene	U	3 ST
1,2 Dichlorobenzene	U	3 ST
Total VOCs	3.5	

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

QUALIFIERS:

U: Compound analyzed for but not detected

J: Compound found at a concentration below CRDL, value estimated

ABBREVIATIONS:

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

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	7/28/2010	8/31/2010	9/27/2010	
COLLECTED BY	D&B	D&B	D&B	
UNITS	(ug/L)	(ug/L)	(ug/L)	
VOCs				(ug/L)
Dichlorodifluoromethane	U	U	U	NL
Chloromethane	0.44 J	U	0.22 J	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
Methylene Chloride	U	U	U	NL
trans-1,2-Dichloroethene	U	U	U	10*
1,1 Dichloroethane	U	U	U	NL
Chloroform	U	U	U	NL
1,2 Dichloroethane	U	U	U	NL
1,1,1 Trichloroethane	U	U	U	5
Carbon Tetrachloride	U	U	U	NL
Trichloroethlyene	U	U	U	10
1,2 Dichloropropane	U	U	U	NL
Bromodichloromethane	U	U	U	NL
2-Chloroethyl Vinyl Ether	U	U	U	NL
c 1,3 Dichloropropene	U	U	U	NL
t 1,3 Dichloropropene	U	U	U	NL
1,1,2 Trichloroethane	U	U	U	NL
Dibromochloromethane	U	U	U	NL
Bromoform	U	U	U	NL
Tetrachloroethene	U	U	0.5 J	4
Chlorobenzene	U	U	U	NL
1,1,2,2 Tetrachloroethane	U	U	U	NL
1,3 Dichlorobenzene	U	U	U	NL
1,4 Dichlorobenzene	U	U	U	NL
1,2 Dichlorobenzene	U	U	U	NL
Total VOCs	0.44	0	0.72	

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

J: Compound

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

SAMPLE ID	COMB EFF		NYSDEC Site Specific Effluent Limitation
SAMPLE TYPE	WATER		
DATE OF COLLECTION	9/27/2010		
COLLECTED BY	D&B		
UNITS	(ug/L)		
INORGANIC COMPOUNDS			(ug/L)
Aluminum		U	4,000
Antimony		U	NL
Arsenic		U	140
Barium	12		NL
Beryllium		U	NL
Calcium	21,500		NL
Cadmium		U	30
Cobalt		U	NL
Chromium		U	NL
Copper		U	38
Iron	139		4,000
Lead	3	J	NL
Potassium	2,670		NL
Magnesium	3,480		NL
Mercury		U	NL
Manganese	485		2,000
Nickel		U	65
Silver		U	9
Zinc		U	370
Thallium		U	NL
Selenium		U	NL
Vanadium		U	NL
Sodium	23,800		NL
GENERAL CHEMISTRY			
pH (S.U.)	7.52		6-9

NOTES:

Concentration exceeds NYSDEC Site Specific Effluent Limitation

QUALIFIERS:

U: Compound analyzed for but not detected.

J: Compound found at a concentration below CRDL, value estimated

ABBREVIATIONS:

ug/L: Micrograms per liter
mg/L: Milligrams per liter
NL : No limit specified

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		NYSDEC Permit Equivalency Limit (lbs/hr)
SAMPLE TYPE	AIR		AIR		AIR		
DATE OF COLLECTION	7/28/2010		8/31/2010		9/27/2010		
BLOWER VELOCITY (FEET/MIN)	4,395		3,335		3,355		
BLOWER FLOW RATE (FT^3/MIN)	1,394		1,058		1,064		
	Concentration	Loading Rate	Concentration	Loading Rate	Concentration	Loading Rate	
UNITS	(ug/m^3)	(lb/hr)	(ug/m^3)	(lb/hr)	(ug/m^3)	(lb/hr)	
VOCs							
t 1,3 Dichloropropene	U		U		U		
Freon 114	U		U		U		
Acetone	U		U		U		
Ethanol	U		U		360	1.4E-03	
Ethyl Acetate	U		U		U		
Ethylbenzene	U		U		U		
Trichlorofluoromethane	U		U		U		
Heptane	U		U		U		
Hexachloro-,1,3-Butadiene	U		U		U		
Hexane	U		U		U		
2-Hexanone	U		U		U		
Isopropyl Alcohol	U		U		1,700 D	1.4E-03	
Methylene Chloride	U		U		U		
Benzene	U		U		U		
Benzyl Chloride	U		U		U		
Styrene	U		U		U		
1,1,2,2 Tetrachloroethane	U		U		U		
Tetrachloroethene	1,700	**8.9E-03**	2,400	**9.5E-03**	1,500	6.0E-03	7.0E-03
Tetrahydrofuran	U		U		U		
Toluene	U		U		U		
1,2,4 Trichlorobenzene	U		U		U		
1,1,1 Trichloroethane	U		U		U		1.0E-03
1,1,2 Trichloroethane	U		U		U		
Trichloroethlyene	390	2.0E-03	440	1.7E-03	340	1.4E-03	6.0E-03
1,2,4 Trimethylbenzene	U		U		U		
1,3,5 Trimethylbenzene	U		U		U		
Vinyl Acetate	U		U		U		
Vinyl Chloride	U		15	5.9E-05	12	4.8E-05	1.4E-02
o-Xylene	U		U		U		1.0E-03
Methyl tert-butyl ether	U		U		U		
1,2,2 Trifluoro-1,1,2 Tricloroethane	U		U		U		
m + p Xylene	U		U		U		1.0E-03
Bromodichloromethane	U		U		U		
1,2 Dibromoethane	U		U		U		
Methyl Ethyl Ketone	U		U		U		
4-Methyl-2-Pentanone	U		U		U		
Bromoform	U		U		U		
Bromomethane	U		U		U		
1,3 Butadiene	U		U		U		
4-Ethyltoluene	U		U		U		
Carbon Disulfide	U		U		U		
Carbon Tetrachloride	U		U		U		
Chlorobenzene	U		U		U		
Dibromochloromethane	U		U		U		
Chloroethane	U		U		U		
Chloroform	U		U		U		
Chloromethane	U		U		U		
Propene	U		U		U		
Cyclohexane	U		U		U		
1,2 Dichlorobenzene	U		U		U		
1,3 Dichlorobenzene	U		U		U		
1,4 Dichlorobenzene	U		U		U		
Dichlorodifluoromethane	U		U		U		
1,1 Dichloroethane	U		U		U		
1,2 Dichloroethane	U		U		U		
1,1 Dichloroethene	U		U		U		
cis-1,2-Dichloroethene	640		700		780		
trans-1,2-Dichloroethene	U		U		U		
1,2-Dichloroethene (total)	640	**3.3E-03**	700	2.8E-03	780	**3.1E-03**	3.0E-03
1,2 Dichloropropane	U		U		U		
c 1,3 Dichloropropene	U		U		U		
Total BTEX	U		U		U		
Total VOCs	2,730	1.4E-02	3,555	1.4E-02	4,692	1.9E-02	5.0E-01

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits
D: Result taken from reanalysis at a secondary dilution

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		NYSDEC Permit Equivalency Limit (lbs/hr)
SAMPLE TYPE	AIR		AIR		AIR		
DATE OF COLLECTION	7/28/2010		8/31/2010		9/27/2010		
BLOWER VELOCITY (FEET/MIN)	4,395		3,335		3,355		
BLOWER FLOW RATE (FT^3/MIN)	1,394		1,058		1,064		
	Concentration	Loading Rate	Concentration	Loading Rate	Concentration	Loading Rate	
UNITS	(ug/m^3)	(lb/hr)	(ug/m^3)	(lb/hr)	(ug/m^3)	(lb/hr)	
VOCs							
t 1,3 Dichloropropene	U		U		U		
Freon 114	U		U		U		
Acetone	U		U		U		
Ethanol	43 J*	2.2E-04	U		820	3.3E-03	
Ethyl Acetate	U		U		U		
Ethylbenzene	U		U		U		
Trichlorofluoromethane	U		U		U		
Heptane	U		U		U		
Hexachloro-,1,3-Butadiene	U		U		U		
Hexane	U		U		U		
2-Hexanone	U		U		U		
Isopropyl Alcohol	U		U		5,100 D	3.3E-03	
Methylene Chloride	U		U		U		
Benzene	U		U		U		
Benzyl Chloride	U		U		U		
Styrene	U		U		U		
1,1,2,2 Tetrachloroethane	U		U		U		
Tetrachloroethene	U		U		30	1.2E-04	7.0E-03
Tetrahydrofuran	U		U		U		
Toluene	U		U		U		
1,2,4 Trichlorobenzene	U		U		U		
1,1,1 Trichloroethane	U		U		9.9	4.0E-05	1.0E-03
1,1,2 Trichloroethane	U		U		U		
Trichloroethlyene	240	1.3E-03	190	7.5E-04	410	1.6E-03	6.0E-03
1,2,4 Trimethylbenzene	U		U		U		
1,3,5 Trimethylbenzene	U		U		U		
Vinyl Acetate	U		U		U		
Vinyl Chloride	19	9.9E-05	13	5.2E-05	17	6.8E-05	1.4E-02
o-Xylene	U		U		U		1.0E-03
Methyl tert-butyl ether	U		U		U		
1,2,2 Trifluoro-1,1,2 Tricloroethane	U		U		U		
m + p Xylene	U		U		U		1.0E-03
Bromodichloromethane	U		U		U		
1,2 Dibromoethane	U		U		U		
Methyl Ethyl Ketone	U		U		U		
4-Methyl-2-Pentanone	U		U		U		
Bromoform	U		U		U		
Bromomethane	U		U		U		
1,3 Butadiene	U		U		U		
4-Ethyltoluene	U		U		U		
Carbon Disulfide	U		U		U		
Carbon Tetrachloride	U		U		U		
Chlorobenzene	U		U		U		
Dibromochloromethane	U		U		U		
Chloroethane	U		U		U		
Chloroform	U		U		U		
Chloromethane	U		U		U		
Propene	U		U		U		
Cyclohexane	U		U		U		
1,2 Dichlorobenzene	U		U		U		
1,3 Dichlorobenzene	U		U		U		
1,4 Dichlorobenzene	U		U		U		
Dichlorodifluoromethane	U		U		U		
1,1 Dichloroethane	U		U		U		
1,2 Dichloroethane	U		U		U		
1,1 Dichloroethene	U		U		U		
cis-1,2-Dichloroethene	930		850		1,200		
trans-1,2-Dichloroethene					8.3		
1,2-Dichloroethene (total)	930	**4.9E-03**	850	**3.4E-03**	1208.3	**4.8E-03**	3.0E-03
1,2 Dichloropropane	U		U		U		
c 1,3 Dichloropropene	U		U		U		
Total BTEX	U		U		U		
Total VOCs	1,232	6.4E-03	1,053	4.2E-03	7,595	3.0E-02	5.0E-01

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits
D: Result taken from reanalysis at a secondary dilution
J*: Analyte qualified as estimated based on laboratory calibration

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		NYSDEC Permit Equivalency Discharge Limit (lbs/hr)
SAMPLE TYPE	AIR		AIR		AIR		
DATE OF COLLECTION	7/28/2010		8/31/2010		9/27/2010		
BLOWER VELOCITY (FEET/MIN)	4,395		3,335		3,355		
BLOWER FLOW RATE (FT^3/MIN)	1,394		1,058		1,064		
	Concentration	Emission Rate	Concentration	Emission Rate	Concentration	Emission Rate	
UNITS	(ug/m^3)	(lb/hr)	(ug/m^3)	(lb/hr)	(ug/m^3)	(lb/hr)	
VOCs							
t 1,3 Dichloropropene	U		U		U		
Freon 114	U		U		U		
Acetone	U		U		U		
Ethanol	87 J*	4.5E-04	31 U	1.2E-04	740	3.0E-03	
Ethyl Acetate	U		U		U		
Ethylbenzene	U		U		U		
Trichlorofluoromethane	U		U		U		
Heptane	U		U		U		
Hexachloro-,1,3-Butadiene	U		U		U		
Hexane	U		U		U		
2-Hexanone	U		U		U		
Isopropyl Alcohol	U		U		4,200 D	1.7E-02	
Methylene Chloride	U		U		15	6.0E-05	
Benzene	U		U		U		
Benzyl Chloride	U		U		U		
Styrene	U		U		U		
1,1,2,2 Tetrachloroethane	U		U		U		
Tetrachloroethene	U		U		U		7.0E-03
Tetrahydrofuran	U		U		U		
Toluene	U		U		U		
1,2,4 Trichlorobenzene	U		U		U		
1,1,1 Trichloroethane	U		U		U		1.0E-03
1,1,2 Trichloroethane	U		U		U		
Trichloroethlyene	29	1.5E-04	45	1.8E-04	120	4.8E-04	6.0E-03
1,2,4 Trimethylbenzene	U		U		U		
1,3,5 Trimethylbenzene	U		U		U		
Vinyl Acetate	U		U		U		
Vinyl Chloride	19	9.9E-05	22	8.7E-05	17	6.8E-05	1.4E-02
o-Xylene	U		U		U		1.0E-03
Methyl tert-butyl ether	U				U		
1,2,2 Trifluoro-1,1,2 Tricloroethane	U		U		U		
m + p Xylene	U		U		U		1.0E-03
Bromodichloromethane	U		U		U		
1,2 Dibromoethane	U		U		U		
Methyl Ethyl Ketone	U		U		U		
4-Methyl-2-Pentanone	U		U		U		
Bromoform	U		U		U		
Bromomethane	U		U		U		
1,3 Butadiene	U		U		U		
4-Ethyltoluene	U		U		U		
Carbon Disulfide	U		U		U		
Carbon Tetrachloride	U		U		U		
Chlorobenzene	U		U		U		
Dibromochloromethane	U		U		U		
Chloroethane	U		U		U		
Chloroform	U		U		U		
Chloromethane	U		U		U		
Propene	U		U		U		
Cyclohexane	U		U		U		
1,2 Dichlorobenzene	U		U		U		
1,3 Dichlorobenzene	U		U		U		
1,4 Dichlorobenzene	U		U		U		
Dichlorodifluoromethane	U		U		U		
1,1 Dichloroethane	U		U		U		
1,2 Dichloroethane	U		U		U		
1,1 Dichloroethene	U		U		U		
cis-1,2-Dichloroethene	700	3.7E-03	1,100	4.4E-03	1,700	6.8E-03	
trans-1,2-Dichloroethene	U		9.9	3.9E-05	9.5	3.8E-05	
1,2-Dichloroethene (total)	700	**3.7E-03**	1,110	**4.4E-03**	1709.5	**6.8E-03**	3.0E-03
1,2 Dichloropropane	U		U		U		
c 1,3 Dichloropropene	U		U		U		
Total BTEX	U		U		U		
Total VOCs	835	4.4E-03	1,208	4.8E-03	6,802	2.7E-02	5.0E-01

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Analyte detected at or below quantitation limits
D: Result taken from reanalysis at a secondary dilution
J*: Analyte qualified as estimated based on laboratory calibration

ATTACHMENT F

DATA VALIDATION CHECKLISTS

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial aka Lindenhurst
Project Number:	2578-04
Sample Date(s):	July 28, 2010
Matrix/Number of Samples:	Water/ 2(Combined and Effluent) Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): USEPA method 624 Metals:by USEPA SW 846 method 6010B and mercury by USEPA SW 846 method 7470A
Laboratory Report No:	220-12878 Date:8/12/2010

ORGANIC ANALYSES

VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Laboratory Control Sample (LCS) %R					X
4. Surrogate spike recoveries		X		X	
5. Field duplicates RPD					X

VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable.

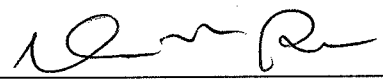
INORGANIC ANALYSES

METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks					X
3 Laboratory control sample %R					X
4. Matrix Spike sample %R					X
5. Duplicate %RPD					X
6. Field duplicates RPD					X

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 3/2/2011
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	July 28, 2010
Matrix/Number of Samples:	Air/ 3
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): TO15
Laboratory Report No:	H0H030459 Date:8/6/2010

ORGANIC ANALYSES
VOCS

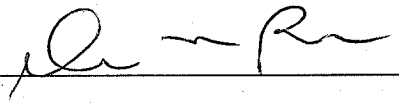
	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X		X	
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

The laboratory used a one-point calibration for ethanol and ethanol was qualified as estimated (J/UJ) in all samples.

6. Tetrahydrofuran was below the QC limits in the LCS associated with all samples. It was not detected in the associated sample and therefore did not impact the usability of the samples.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 11/18/2010
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial aka Lindenhurst
Project Number:	2578-04
Sample Date(s):	August 31, 2010
Matrix/Number of Samples:	Water/ 2(Combined and Effluent) Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): USEPA method 624 Metals:by USEPA SW 846 method 6010B and mercury by USEPA SW 846 method 7470A
Laboratory Report No:	220-13227 Date:9/15/2010

ORGANIC ANALYSES

VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Laboratory Control Sample (LCS) %R					X
4. Surrogate spike recoveries		X		X	
5. Field duplicates RPD					X

VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable.

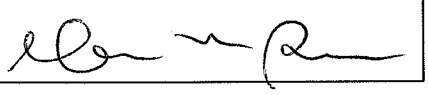
INORGANIC ANALYSES

METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks					X
3 Laboratory control sample %R					X
4. Matrix Spike sample %R					X
5. Duplicate %RPD					X
6. Field duplicates RPD					X

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 3/2/2011
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

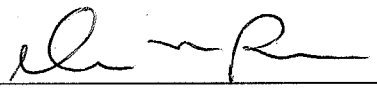
Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	August 31, 2010
Matrix/Number of Samples:	Air/ 3
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): TO15
Laboratory Report No:	H0I030552 Date:9/16/2010

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X		X	
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 11/18/2010
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial aka Lindenhurst
Project Number:	2578-04
Sample Date(s):	September 27, 2010
Matrix/Number of Samples:	Water/ 4(RW, Combined, Midfluent and Effluent) Trip Blank/ 0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): USEPA method 624 Metals:by USEPA SW 846 method 6010B and mercury by USEPA SW 846 method 7470A
Laboratory Report No:	220-13468 Date:10/13/2010

ORGANIC ANALYSES

VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Laboratory Control Sample (LCS) %R					X
4. Surrogate spike recoveries		X		X	
5. Field duplicates RPD					X

VOCs - volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable.

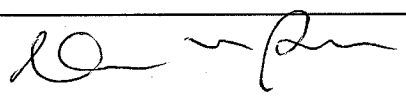
INORGANIC ANALYSES

METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks					X
3 Laboratory control sample %R					X
4. Matrix Spike sample %R					X
5. Duplicate %RPD					X
6. Field duplicates RPD					X

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 3/2/2011
VALIDATION PERFORMED BY SIGNATURE:	

DATA VALIDATION CHECK LIST

Project Name:	Active Industrial
Project Number:	2578-04
Sample Date(s):	September 27, 2010
Matrix/Number of Samples:	Air/ 3
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): TO15
Laboratory Report No:	H0I300454 Date:10/8/2010

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Method blanks		X		X	
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X		X	
7. Surrogate spike recoveries		X		X	
8. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exception:

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis (ppb(v/v)-ug/m3)	Diluted Analysis (ppb(v/v)-ug/m3)	Reported Analysis (ppb(v/v)-ug/m3)
INFLUENT	Isopropyl alcohol	800-2000 E	680-1700D	680-1700D
MID FLUENT	Isopropyl alcohol	1500-3800 E	2100-5100D	2100-5100D
EFFLUENT	Isopropyl alcohol	1500-3600 E	1700-4200D	1700-4200D
	Cis-1,2-dichloroethene	420-1700 E	440-1800D	440-1800D

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 11/18/2010
VALIDATION PERFORMED BY SIGNATURE: