

### Dvirka and Bartilucci consulting Engineers

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February 2, 2009

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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 chemolithotropic 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 from the NYSDEC 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-1,20-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,

lita in

Stephen Tauss Project Manager

SET/SF/jmy,kap Attachments cc: R. Walka (D&B) P. Martorano (D&B) F. DeVita (D&B) +2578\SET10078-PL\_QR15.DOC(R12)

### ATTACHMENT A

### FIGURES

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SOURCE: GOOGLE EARTH 2005



ACTIVE INDUSTRIAL UNIFORM SITE VILLAGE OF LINDENHURST, NEW YORK

SITE LOCATION MAP

**FIGURE 1-1** 





### OFF-SITE MONITORING WELL LOCATION MAP







LITTLE NECK CREEK

### ATTACHMENT B

### DESCRIPTION OF SYSTEM ALARM CONDITIONS

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| DFF RESTART CAUSE FOR SHUTDOWN CAUSE FOR SHUTDOWN | 17 AM 7/10/08 2:30 PM Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system. | 00 PM       7/23/08 6:00 PM       Upon arrival at site for monthly maintenance event, water observed to be overflowing out of Extraction Well RW-1 vault. System manually shut down.         00 PM       7/23/08 6:00 PM       Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vault and observed a crack in the ball valve piping. Ordered new parts.         Non-Route Maintenance Event <sup>(1)</sup> - RW-1 ball valve repaired. Restarted system. Also diagnosed inoperable roof vent and replaced drive belt. | 30 PM 8/5/08 11:15 AM System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on total gallons pumped from RW-1 on 7/23/08 through 8/6/08 and RW-1 flow rate recorded on 7/23/08. Restarted system and reset auto dialer circuit breaker.   | 0 PM 8/8/08 4:20 PM Routine Maintenance Event <sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system.  | 15 AM 8/21/08 10:45 AM Routine Maintenance Event <sup>(1)</sup> - Performed routine blower maintenance. Restarted system.   | 30 PM 8/22/08 8:05 PM Non-Route Maintenance Event <sup>(1)</sup> - System shutdown to properly seal RW-2 electrical connection at well-head after replacement. Restarted system.   | 11 PM 8/31/08 10:00 PM Alarm condition #3 & #5 - High level air stripper. Tripped/restarted/reset breaker. Hand pumped air stripper level down. Restarted system.  | 00 AM 9/12/08 9:45 AM Routine Maintenance Event <sup>(1)</sup> - Filter maintenance. Changed filters and gasket.<br>Non-Routine Maintenance <sup>(1)</sup> - Replaced fuses for RW-2; provided temporary fix sump pump piping. Restarted system.  | 00 PM       9/15/08 7:20 PM       Alarm condition #3 & #5 - High level air stripper #2. Pump down air stripper strippers; restarted system. System stays on for a few minutes and shuts         00 PM       9/15/08 7:20 PM       off. Transfer pumps are not able to pump water out of strippers as fast as water is pumped in. This is due to the operation, RW-2 @ 85 GPM. Set new data points on PLC for transfer pumps. Restarted system.   |   |  |   |  |  |  |   |  |  |
|---|---|---|---|--|---|--|--|---|--|---|--|---|--|--|--|---|--|--|
| SHUT-OFF<br>DATE/TIME                             | 7/10/08 7:17 AM   | 7/17/08 1:00 PM   | 7/28/08 3:30 PM   | 8/8/08 3:00 PM   | 8/21/08 10:15 AM  | 8/22/08 6:30 PM  | 8/30/08 7:11 PM  | 9/12/08 7:00 AM   | 9/12/08 7:00 PM  |   |  |   |  |  |  |   |  | NOTES.   |
|   | SHUT-OFF RESTART CAUSE FOR SHUTDOWN CAUSE FOR SHUTDOWN  | SHUT-OFF     RESTART       DATE/TIME     DATE/TIME       DATE/TIME     CAUSE FOR SHUTDOWN       7/10/08 7:17 AM     7/10/08 2:30 PM   Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.   | SHUT-OFF       RESTART         DATE/TIME       DATE/TIME         DATE/TIME       DATE/TIME         7/10/08 7:17 AM       7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.         7/10/08 7:17 AM       7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.         7/10/08 7:17 AM       7/10/08 2:30 PM         Non-Routine Maintenance event, water observed to be overflowing out of Extraction Well RW-1 vault. System manually shut down.         7/17/08 1:00 PM       7/23/08 6:00 PM         Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vault and observed a crack in the ball valve piping. Ordered new parts.         Non-Routine Maintenance Event <sup>(1)</sup> - RW-1 ball valve repaired. Restarted system. Also diagnosed inoperable roof vent and replaced drive belt. | SHUT-OFF         RESTART           DATE/TIME         DATE/TIME           7/10/08 7:17 AM         7/10/08 2:30 PM           Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM           Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM           Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vault and observed to be overflowing out of Extraction Well RW-1 vault. 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System shutdown time approximated based on total gallon | SHUT-OFF         RESTART         CAUSE FOR SHUTDOWN           DATE/TIME         DATE/TIME         CAUSE FOR SHUTDOWN           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/17/08 1:00 PM         Upon arrival at site for monthly maintenance event, water observed to be overflowing out of Extraction Well RW-1 vault. System manually shut down.           7/17/08 1:00 PM         7/23/08 6:00 PM         Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vault and observed a crack in the ball valve piping. Ordered new parts.           7/17/08 3:30 PM         8/5/08 11:15 AM         System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on total gallons           7/28/08 3:30 PM         8/5/08 4:20 PM         Routine Maintenance Event <sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system. Also diagnosed inoter circuit breaker. | SHUT-OFFRESTARTCAUSE FOR SHUTDOWNDATE/TIMEDATE/TIMECAUSE FOR SHUTDOWN7/10/08 7:17 AM7/10/08 2:30 PMAlarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.7/10/08 7:17 AM7/10/08 2:30 PMAlarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.7/17/08 1:00 PM7/10/08 2:30 PMUpon arrival at site for monthly maintenance event, water observed to be overflowing out of Extraction Well RW-1 vault. 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Restarted system.           8/2/108 10:15 AM         8/2/108 10:45 AM         8/2/108 10:45 AM           8/2/108 10:15 AM         8/2/108 10:455 AM         Non-R</td> <td>SHUT-OFF         RESTART         CAUSE FOR SHUTDOWN           7/10/08 7:17 AM         7/10/08 2:30 PM         Aarm condition #3 &amp; #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Non-Routine Maintenance event, water observed to be overflowing out of Extraction Well RW-1 valit. System manually shut down.           7/17/08 1:00 PM         Non-Route Maintenance Event<sup>(1)</sup> - Inspected piping in value observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         Non-Route Maintenance Event<sup>(1)</sup> - Inspected piping in value and observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         Non-Route Maintenance Event<sup>(1)</sup> - RW-1 ball valve repaired. Restarted System shutdown time approximated based on total gallons.           7/128/08 3:30 PM         8/5/08 11:15 AM         System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on total gallons.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system. Also dialer circuit breaker.           8/5/08 3:00 PM         8/5/08 4:20 PM         Routine Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system.           8/2/08 10:15 AM         8/2/08 10:4:20 PM         Non-Route Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system.           8/2/08 10:15 AM         8/2/108 10:4:20 PM<td>SHUT-OFF         RESTART         CAUSE FOR SHUTDOWN           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 &amp; #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 &amp; #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:10 BM         7/23/08 6:00 PM         Non-Routine Maintenance Event<sup>(1)</sup> - Inspected piping in vauit and observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         7/23/08 6:00 PM         Non-Routine Maintenance Event<sup>(1)</sup> - Inspected piping in vauit and observed a crack in the ball valve piping. Ordered new parts.           7/28/08 3:30 PM         8/5/08 11:15 AM         Non-Route Maintenance Event<sup>(1)</sup> - RW-1 ball valve repaired. Restarted system. Also diagnosed inoperable not vent and replaced drive bit.           8/5/08 11:15 AM         System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on rolal gallons.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system. Also diagnosed invest.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system and reset auto dialer circuit breaker.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - System shutdown to properly seal RW-2 electrical system.           8/5/08 10:15 AM</td><td>SHUT-OFF         RESTART         CAUSE FORM         SHUT-DOWN           DATE/TIME         RESTART         CAUSE FORM         CAUSE         CAUSE         CAUSE<td>SHUT-OFF         RESTART<br/>DATE/TIME         CAUSE FOR SHUTDOWN           7/1008 7:17 MM         7/1008 2:30 PM         Alarm condition #3.8.#5 - Ganeral alarm/High air stripper #1, Pump air stripper #1,</td><td>SHUT-OFF         RESTMET         CAUSE FOR SHUTDOWN           7/100B 7:17 AM         7/100B 2:20 PM         Alarm condition #3.8 #5 - General alam/High alr stripper #1. Pump air s</td><td>StrUTC/FF         DATE: DATE</td><td>Distri-toFF         Distri-toFF         CAUSE FOR SHUTDOW           7/1008 7:17 AM         7/1008 2:30 PM         Alam condition #3.4.#5 - General atam/Hgh ani stripper #1. Pump ari strippers to low levels. Restarted system.           7/1008 7:17 AM         7/1008 2:30 PM         Alam condition #3.4.#5 - General atam/Hgh ani stripper #1. Pump ari strippers to low levels. Restarted system.           7/1008 7:17 AM         7/1008 2:30 PM         Non-Routine Maintenance Event<sup>101</sup> - Inspected pilong in vauit and observed to be overflowing out of Extra-don Walt RW-1 vauit. System manually shut doom.           7/1708 1:00 PM         7/2308 6:00 PM         Non-Routine Maintenance Event<sup>101</sup> - Required at the formority maintenance Event<sup>101</sup> - Reviet Restarted system.           86:08 1:15 AM         Signa 4:20 PM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.           86:08 1:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:15 AM           86:08 1:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           86:08 1:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           82:08 1:0:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           82:08 1:0:15 AM         82:08 1:0:</td><td>Distriction         CAUSE FOR SHUTDOWN           Districtiones         Districtiones         Districtiones           7/10069 7:17 Mit         7/1008 2:30 PM         Jamm condition r/3 &amp; #5. Ganetal alam/Hgh air stripper #1. Pump air stripper %1. Pump air</td><td>BUTCHEF         RESTART         OULSE FOR SHUTDOWN           7/10.08 7:17 AM         7/10.08 2:30 PM         Alarm conclian #3.6 #5 General alarm/high alr stripper #1. Pump alr stripper #1. Pump all stripper 10 bw loveb. Restanded system.           7/10.08 7:17 AM         7/10.08 2:30 PM         Alarm conclian #3.6 #5 General alarm/high alr stripper #1. Pump all stripper to bw loveb. Restanded system.           7/10.08 7:17 AM         7/2308 600 PM         Upon arrival at stel for monthy maintenance event, water observed to be overflowing out of Extradion Weal RW.1 vault. System manually strut doom.           7/12.08 5:30 PM         85/08 11:15 AM         System wat domineance. Event<sup>10</sup>. Parlome restand. System. Maintenance. Restand System. And Cale All Pased on botal gallores.           820.08 5:00 PM         88/08 4:10 FM         Routine Maintenance. Event<sup>10</sup> System strutdown to properly seal RW.1 flow rate accords maintenance. Restand System. And restand System.           820.08 5:00 FM         82/108 6:00 FM         Non-Routine Maintenance. 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System manually set of down           77208 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 2:10 FM         Bouthe Maintenance Event<sup>(1)</sup> Eventment of outifier solid said RV-1 flow risk recorded on 72200B. Restarded system.           82008 2:11 FM         B2108 5:05 FM         Non-Fouthe Maintenance Event<sup>(1)</sup> Foldermed routifier solid system.           82008 2:12 FM         Bouthe Maintenance Event<sup>(1)</sup> Foldermed routifier solid system.         Restarded system.           82008 2:12 FM         B2108 5:05 FM         Non-Fouthe Maintenance Event<sup>(1)</sup> Foldermed routifier System risto activate solid t</td><td>Buttleffilte         CAUGE FOR SHUTDOWN           7:1708 1:17 MM         71:00 8:20 PM         Jamm condition 15 8:5 - General attrihidy aid stripper #1. Pump air stripper to low inceks. Reathrind system.           7:1708 1:17 MM         71:00 8:20 PM         Upm attrine condition 58 8:5 - General attrihidy aid stripport #1. Pump air stripport bio low inceks. Reathrind system.           7:1708 1:10 PM         7:2208 8:00 PM         Upm attrine condition 78 8:5 - General attrihidy and stripport #1. Pump air stripport bio physical physic</td></td></td></td> | SHUT-OFF         RESTART         CAUSE FOR SHUTDOWN           DATECTIME         DATECTIME         CAUSE FOR SHUTDOWN           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/17/08 1:00 PM         Non-Routine Maintenance event, water observed to be overflowing out of Extraction Well RW-1 vault. System manually shut down.           7/17/08 1:00 PM         7/23/08 6:00 PM         Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vault and observed to a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         7/23/08 6:00 PM         System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on total gallons bumped from RW-1 on 7/23/08 through 8/6/08 and RW-1 flow rate recorded on 7/23/08. Restarted system.           8/5/08 3:00 PM         8/5/08 11:15 AM         Routine Maintenance Event <sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system.           8/2/108 10:15 AM         8/2/108 10:45 AM         Routine Maintenance Event <sup>(1)</sup> - Performed routine blower maintenance. Restarted system.           8/2/108 10:15 AM         8/2/108 10:45 AM         8/2/108 10:45 AM           8/2/108 10:15 AM         8/2/108 10:455 AM         Non-R | SHUT-OFF         RESTART         CAUSE FOR SHUTDOWN           7/10/08 7:17 AM         7/10/08 2:30 PM         Aarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Non-Routine Maintenance event, water observed to be overflowing out of Extraction Well RW-1 valit. System manually shut down.           7/17/08 1:00 PM         Non-Route Maintenance Event <sup>(1)</sup> - Inspected piping in value observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         Non-Route Maintenance Event <sup>(1)</sup> - Inspected piping in value and observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         Non-Route Maintenance Event <sup>(1)</sup> - RW-1 ball valve repaired. Restarted System shutdown time approximated based on total gallons.           7/128/08 3:30 PM         8/5/08 11:15 AM         System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on total gallons.           8/5/08 11:15 AM         Routine Maintenance Event <sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system. Also dialer circuit breaker.           8/5/08 3:00 PM         8/5/08 4:20 PM         Routine Maintenance Event <sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system.           8/2/08 10:15 AM         8/2/08 10:4:20 PM         Non-Route Maintenance Event <sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system.           8/2/08 10:15 AM         8/2/108 10:4:20 PM <td>SHUT-OFF         RESTART         CAUSE FOR SHUTDOWN           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 &amp; #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 &amp; #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:10 BM         7/23/08 6:00 PM         Non-Routine Maintenance Event<sup>(1)</sup> - Inspected piping in vauit and observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         7/23/08 6:00 PM         Non-Routine Maintenance Event<sup>(1)</sup> - Inspected piping in vauit and observed a crack in the ball valve piping. Ordered new parts.           7/28/08 3:30 PM         8/5/08 11:15 AM         Non-Route Maintenance Event<sup>(1)</sup> - RW-1 ball valve repaired. Restarted system. Also diagnosed inoperable not vent and replaced drive bit.           8/5/08 11:15 AM         System went down due to apparent power surge and also affected the auto dialer. System shutdown time approximated based on rolal gallons.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system. Also diagnosed invest.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - Performed routine transfer pump maintenance. Restarted system and reset auto dialer circuit breaker.           8/5/08 11:15 AM         Routine Maintenance Event<sup>(1)</sup> - System shutdown to properly seal RW-2 electrical system.           8/5/08 10:15 AM</td> <td>SHUT-OFF         RESTART         CAUSE FORM         SHUT-DOWN           DATE/TIME         RESTART         CAUSE FORM         CAUSE         CAUSE         CAUSE<td>SHUT-OFF         RESTART<br/>DATE/TIME         CAUSE FOR SHUTDOWN           7/1008 7:17 MM         7/1008 2:30 PM         Alarm condition #3.8.#5 - Ganeral alarm/High air stripper #1, Pump air stripper #1,</td><td>SHUT-OFF         RESTMET         CAUSE FOR SHUTDOWN           7/100B 7:17 AM         7/100B 2:20 PM         Alarm condition #3.8 #5 - General alam/High alr stripper #1. Pump air s</td><td>StrUTC/FF         DATE: DATE</td><td>Distri-toFF         Distri-toFF         CAUSE FOR SHUTDOW           7/1008 7:17 AM         7/1008 2:30 PM         Alam condition #3.4.#5 - General atam/Hgh ani stripper #1. 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Signa 1:15 AM           86:08 1:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           86:08 1:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           82:08 1:0:01 FM         Routine Maintenance Event<sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           82:08 1:0:15 AM         82:08 1:0:</td><td>Distriction         CAUSE FOR SHUTDOWN           Districtiones         Districtiones         Districtiones           7/10069 7:17 Mit         7/1008 2:30 PM         Jamm condition r/3 &amp; #5. Ganetal alam/Hgh air stripper #1. Pump air stripper %1. Pump air</td><td>BUTCHEF         RESTART         OULSE FOR SHUTDOWN           7/10.08 7:17 AM         7/10.08 2:30 PM         Alarm conclian #3.6 #5 General alarm/high alr stripper #1. 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Restarted system.           7/10/08 7:17 AM         7/10/08 2:30 PM         Alarm condition #3 & #5 - General alarm/High air stripper #1. Pump air strippers to low levels. Restarted system.           7/10/08 7:10 BM         7/23/08 6:00 PM         Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vauit and observed a crack in the ball valve piping. Ordered new parts.           7/17/08 1:00 PM         7/23/08 6:00 PM         Non-Routine Maintenance Event <sup>(1)</sup> - Inspected piping in vauit and observed a crack in the ball valve piping. Ordered new parts.           7/28/08 3:30 PM         8/5/08 11:15 AM         Non-Route Maintenance Event <sup>(1)</sup> - RW-1 ball valve repaired. Restarted system. Also diagnosed inoperable not vent and replaced drive bit.           8/5/08 11:15 AM         System went down due to apparent power surge and also affected the auto dialer. 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Restarted system and reset auto dialer circuit breaker.           8/5/08 11:15 AM         Routine Maintenance Event <sup>(1)</sup> - System shutdown to properly seal RW-2 electrical system.           8/5/08 10:15 AM | SHUT-OFF         RESTART         CAUSE FORM         SHUT-DOWN           DATE/TIME         RESTART         CAUSE FORM         CAUSE         CAUSE         CAUSE <td>SHUT-OFF         RESTART<br/>DATE/TIME         CAUSE FOR SHUTDOWN           7/1008 7:17 MM         7/1008 2:30 PM         Alarm condition #3.8.#5 - Ganeral alarm/High air stripper #1, Pump air stripper #1,</td> <td>SHUT-OFF         RESTMET         CAUSE FOR SHUTDOWN           7/100B 7:17 AM         7/100B 2:20 PM         Alarm condition #3.8 #5 - General alam/High alr stripper #1. Pump air s</td> <td>StrUTC/FF         DATE: DATE</td> <td>Distri-toFF         Distri-toFF         CAUSE FOR SHUTDOW           7/1008 7:17 AM         7/1008 2:30 PM         Alam condition #3.4.#5 - General atam/Hgh ani stripper #1. 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Restarded system.           82008 2:12 FM         B2108 5:05 FM         Non-Fouthe Maintenance Event<sup>(1)</sup> Foldermed routifier System risto activate solid t</td><td>Buttleffilte         CAUGE FOR SHUTDOWN           7:1708 1:17 MM         71:00 8:20 PM         Jamm condition 15 8:5 - General attrihidy aid stripper #1. Pump air stripper to low inceks. Reathrind system.           7:1708 1:17 MM         71:00 8:20 PM         Upm attrine condition 58 8:5 - General attrihidy aid stripport #1. Pump air stripport bio low inceks. Reathrind system.           7:1708 1:10 PM         7:2208 8:00 PM         Upm attrine condition 78 8:5 - General attrihidy and stripport #1. Pump air stripport bio physical physic</td></td> | SHUT-OFF         RESTART<br>DATE/TIME         CAUSE FOR SHUTDOWN           7/1008 7:17 MM         7/1008 2:30 PM         Alarm condition #3.8.#5 - Ganeral alarm/High air stripper #1, Pump air stripper #1, | SHUT-OFF         RESTMET         CAUSE FOR SHUTDOWN           7/100B 7:17 AM         7/100B 2:20 PM         Alarm condition #3.8 #5 - General alam/High alr stripper #1. Pump air s | StrUTC/FF         DATE: DATE | Distri-toFF         Distri-toFF         CAUSE FOR SHUTDOW           7/1008 7:17 AM         7/1008 2:30 PM         Alam condition #3.4.#5 - General atam/Hgh ani stripper #1. Pump ari strippers to low levels. Restarted system.           7/1008 7:17 AM         7/1008 2:30 PM         Alam condition #3.4.#5 - General atam/Hgh ani stripper #1. Pump ari strippers to low levels. Restarted system.           7/1008 7:17 AM         7/1008 2:30 PM         Non-Routine Maintenance Event <sup>101</sup> - Inspected pilong in vauit and observed to be overflowing out of Extra-don Walt RW-1 vauit. System manually shut doom.           7/1708 1:00 PM         7/2308 6:00 PM         Non-Routine Maintenance Event <sup>101</sup> - Required at the formority maintenance Event <sup>101</sup> - Reviet Restarted system.           86:08 1:15 AM         Signa 4:20 PM         Routine Maintenance Event <sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.           86:08 1:01 FM         Routine Maintenance Event <sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:15 AM           86:08 1:01 FM         Routine Maintenance Event <sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           86:08 1:01 FM         Routine Maintenance Event <sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           82:08 1:0:01 FM         Routine Maintenance Event <sup>101</sup> - Performed routine transfer pump maintenance. Restarted system.         Signa 1:0:15 AM           82:08 1:0:15 AM         82:08 1:0: | Distriction         CAUSE FOR SHUTDOWN           Districtiones         Districtiones         Districtiones           7/10069 7:17 Mit         7/1008 2:30 PM         Jamm condition r/3 & #5. Ganetal alam/Hgh air stripper #1. Pump air stripper %1. Pump air | BUTCHEF         RESTART         OULSE FOR SHUTDOWN           7/10.08 7:17 AM         7/10.08 2:30 PM         Alarm conclian #3.6 #5 General alarm/high alr stripper #1. Pump alr stripper #1. Pump all stripper 10 bw loveb. Restanded system.           7/10.08 7:17 AM         7/10.08 2:30 PM         Alarm conclian #3.6 #5 General alarm/high alr stripper #1. Pump all stripper to bw loveb. Restanded system.           7/10.08 7:17 AM         7/2308 600 PM         Upon arrival at stel for monthy maintenance event, water observed to be overflowing out of Extradion Weal RW.1 vault. System manually strut doom.           7/12.08 5:30 PM         85/08 11:15 AM         System wat domineance. Event <sup>10</sup> . Parlome restand. System. Maintenance. Restand System. And Cale All Pased on botal gallores.           820.08 5:00 PM         88/08 4:10 FM         Routine Maintenance. Event <sup>10</sup> System strutdown to properly seal RW.1 flow rate accords maintenance. Restand System. And restand System.           820.08 5:00 FM         82/108 6:00 FM         Non-Routine Maintenance. Event <sup>10</sup> System strutdown to properly seal RW.1 flow rate accord maintenance. Restand System.           820.08 5:00 FM         82/108 6:00 FM         Maintenance. Restand System. And restand System.           820.08 5:00 FM         82/108 6:00 FM         Maintenance. Restand System. And restand System. <td>BHUTCHE<br/>DATETIME         RESTRATE         CAUSE<br/>FOR SHUTCOMN           717008 7:17 AM         71008 2:30 FM         Aum condition #3.8 AFS - General alternMigh all strippores to low levels. Restarded system.           717008 7:17 AM         71008 2:30 FM         Aum condition #3.8 AFS - General alternMigh all strippores to low levels. Restarded system.           71708 1:00 FM         72208 6:00 FM         Ubon artival at site for monthly maintenance evert, water observed to be overflowing out of Extendion Weil FW-1 varit. System manually set of down           77208 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 2:10 FM         Bouthe Maintenance Event<sup>(1)</sup> Eventment of outifier solid said RV-1 flow risk recorded on 72200B. Restarded system.           82008 2:11 FM         B2108 5:05 FM         Non-Fouthe Maintenance Event<sup>(1)</sup> Foldermed routifier solid system.           82008 2:12 FM         Bouthe Maintenance Event<sup>(1)</sup> Foldermed routifier solid system.         Restarded system.           82008 2:12 FM         B2108 5:05 FM         Non-Fouthe Maintenance Event<sup>(1)</sup> Foldermed routifier System risto activate solid t</td> <td>Buttleffilte         CAUGE FOR SHUTDOWN           7:1708 1:17 MM         71:00 8:20 PM         Jamm condition 15 8:5 - General attrihidy aid stripper #1. Pump air stripper to low inceks. Reathrind system.           7:1708 1:17 MM         71:00 8:20 PM         Upm attrine condition 58 8:5 - General attrihidy aid stripport #1. Pump air stripport bio low inceks. Reathrind system.           7:1708 1:10 PM         7:2208 8:00 PM         Upm attrine condition 78 8:5 - General attrihidy and stripport #1. Pump air stripport bio physical physic</td> | BHUTCHE<br>DATETIME         RESTRATE         CAUSE<br>FOR SHUTCOMN           717008 7:17 AM         71008 2:30 FM         Aum condition #3.8 AFS - General alternMigh all strippores to low levels. Restarded system.           717008 7:17 AM         71008 2:30 FM         Aum condition #3.8 AFS - General alternMigh all strippores to low levels. Restarded system.           71708 1:00 FM         72208 6:00 FM         Ubon artival at site for monthly maintenance evert, water observed to be overflowing out of Extendion Weil FW-1 varit. System manually set of down           77208 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 5:30 FM         B600 4115 AM         System volt down due to apparent power surge and also affected the auto date. System manually set of down           82008 2:10 FM         Bouthe Maintenance Event <sup>(1)</sup> Eventment of outifier solid said RV-1 flow risk recorded on 72200B. 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NULES: 1. Maintenance event performed by Systematic Technologies, Inc. Jr<u>.</u>HazWaste\2578 (NYSDEC - Active Industrial Uniform)\Quarterly Reports\Quarter 15 (July 2008 - September 2008)\Activesamplingqtr15.xls

### ACTIVE INDUSTRIAL UNIFORM SITE NYSDEC SITE No. 1-52-125 SUMMARY OF SYSTEM DOWNTIME

### ATTACHMENT C

### SYSTEM MAINTENANCE REPORT

♦2578\SET10078-PL\_QR15.DOC

| Date: 7/18/08  |  |   |   |  |
|--|--|---|---|--|
| lame of Personnel  | Title Tim  | e Arrived   | Time Departe  | d Total Hours  |
| Sorensen   | President 131  | 5   | 1415  | 2.5 (incl.<br>travel)  |
| E. Sorensen  | Technician 131   | 5   | 1415  | 2.5 (incl.<br>travel)  |
|  |  |   |   |  |
| Check off Items that were c  | ompleted:  |   |   | and the second |
| <ul> <li>Item 1: Snow Removal</li> <li>Item 2: Pressure Blowe</li> <li>Item 2A: Pressure Blowe</li> <li>Replacement</li> <li>Item 3: Transfer Pump</li> <li>Item 4: Air Stripper Ma</li> </ul> | er Maintenance<br>er Fan Wheel<br>Maintenance<br>intenance                 | ☐ Item 6:<br>Stripper I<br>☐ Item 7:<br>☑ Item 8: | Removal and t<br>Packing Materia<br>Solids Filtratio<br>Non-Routine N | Aeplacement of Ali<br>al<br>n Change-out<br>Aaintenance Services   |
| ☐ Item 5: Granular Activa<br>Removal and Replacem<br>Description of Work:<br>tem 8: Non-Routine Maint  | ated Carbon<br>ent<br>enance Services: A                                   | ssess leaking va                                  | alve in RW-1 w  | ell-head enclosure   |
| <ul> <li>Item 5: Granular Activa<br/>Removal and Replacem</li> <li>Description of Work:</li> <li>em 8: Non-Routine Maint</li> <li>Iame of Part / Supply / Mat</li> </ul>                       | ated Carbon<br>ent<br>renance Services: A<br>erial Manufacturer            | ssess leaking va                                  | alve in RW-1 w  | ell-head enclosure   |
| I Item 5: Granular Activa         Removal and Replacem         escription of Work:         em 8: Non-Routine Maint         ame of Part / Supply / Mat         escription of Waste Gener        | ent<br>ent<br>enance Services: A<br>erial Manufacturer<br>ated Volume of W | ssess leaking va                                  | alve in RW-1 w<br>Number<br>sal Facility                              | ell-head enclosure Quantity Used Waste Transporter (Name & Address)  |

| Date: 7/23/08 Name of Personnel  |   |  |                                   | T   |   |   |
|--|---|--|-----------------------------------|---|---|---|
| Name of Personnel  |   |  |                                   |   | The second se |   |
| Onsite   | Intle   | 1 /  | ne Arrived                        |   |   | JUIS  |
| L. Sorensen  | Preside   | nt 14<br>up  | 00 (1 Hr picking materials prior) | 1945  | 8.25 (in<br>travel)   | cl.   |
| E. Sorensen  | Technic   | ian 14<br>up   | 00 (1 Hr picking materials prior) | 1945  | 8.25 (in<br>travel)   | cl.   |
| Check off Items that wer   | e complete  | sd   |                                   |   |   | <u>and and and and and and and and and and </u> |
| <ul> <li>Item 2: Pressure Bli</li> <li>Item 2A: Pressure Bli</li> <li>Replacement</li> <li>Item 3: Transfer Pu</li> <li>Item 4: Air Stripper</li> <li>Item 5: Granular Ac<br/>Removal and Replace</li> </ul> Description of Work: Item 8: Pick up material<br>diagnose inoperable roof | ower Main<br>lower Fan '<br>mp Mainte<br>Maintenan<br>tivated Ca<br>ement<br>ls at three<br>vent, repla | enance<br>Wheel<br>nance<br>ce<br>rbon<br>local supplie            | Stripper F                        | Packing Materi<br>Solids Filtratio<br>Non-Routine I | al<br>n Change-out<br>Jaintenance Serv<br>well-head enclosi   | rices<br>ure;                                   |
|  |   |  |                                   |   |   |   |
| Name of Part / Supply / M  | Aaterial N  | lanufacture  | r Model                           | Number  | Quantity Used   |   |
| Name of Part / Supply / N<br>3" True-Union Ball Valve  | Aaterial N  | lanufacture<br>lavward   | r Model                           | Number  | Quantity Used   |   |
| Name of Part / Supply / M<br>3" True-Union Ball Valve<br>3" x Close Gal NPT Pine   | Aaterial A  | lanufacture<br>layward<br>Vard                                     | r Model                           | Number  | Quantity Used   |   |
| Name of Part / Supply / N<br>3" True-Union Ball Valve<br>3" x Close Gal NPT Pipe   | Material M<br>H<br>Nipple V   | lanufacture<br>layward<br>Vard<br>dvance                           | r Model                           | Number  | Quantity Used   |   |
| Name of Part / Supply / N<br>3" True-Union Ball Valve<br>3" x Close Gal NPT Pipe<br>V-Belt<br>3" Gal Riser Clamp   | Material M<br>H<br>Nipple V<br>A<br>L   | lanufacture<br>layward<br>Vard<br>dvance<br>Inknown                | r Model                           | Number  | Quantity Used<br>1<br>1<br>1<br>1<br>1  |   |
| Name of Part / Supply / N<br>3" True-Union Ball Valve<br>3" x Close Gal NPT Pipe<br>V-Belt<br>3" Gal Riser Clamp<br>Description of Waste Ger   | Material M<br>H<br>Nipple V<br>A<br>L<br>nerated V  | lanufacture<br>layward<br>Vard<br>dvance<br>Inknown<br>/olume of W | r Model<br>/aste Dispos<br>(Name  | Number<br>al Facility<br>& Address)                 | Quantity Used<br>1<br>1<br>1<br>1<br>1<br>Vvaste Transpo<br>(Name & Addro                                       | orter<br>ess)                                   |
| Name of Part / Supply / N<br>3" True-Union Ball Valve<br>3" x Close Gal NPT Pipe<br>V-Belt<br>3" Gal Riser Clamp<br>Description of Waste Ger   | Material M<br>H<br>Nipple V<br>A<br>L<br>nerated V  | lanufacture<br>layward<br>Vard<br>dvance<br>Inknown<br>Volume of W | r Model                           | Number<br>al Facility<br>& Address)                 | Quantity Used<br>1<br>1<br>1<br>1<br>Vaste Transpo<br>(Name & Addro   | orter<br>ess)                                   |

| Date: 8/5/08  | والمعادية والمعارفة و |   |   |  |
|---|---|---|---|--|
| Name of Personnel<br>Onsite   | Title   | Time Arriv  | ved Time Departe  | ed Total Hours   |
| L. Sorensen   | President   | 0940  | 1310  | 5 (incl travel,<br>eq. pickup,<br>drop off)                  |
| E. Sorensen   | Technician  | 0940  | 1310  | 5 (incl travel,<br>eq. pickup,<br>drop off)                  |
|   |   |   | <u></u>   |  |
| Check off Items that were   | completed <sup>.</sup>  | <del>, y. <u>B</u>ina ang sipang ang a</del>  |   | <u></u>  |
| <ul> <li>Item 2: Pressure Blow<br/>Replacement</li> <li>Item 2A: Pressure Blow<br/>Replacement</li> <li>Item 3: Transfer Pum</li> <li>Item 4: Air Stripper M</li> <li>Item 5: Granular Activ<br/>Removal and Replacem</li> <li>Description of Work:</li> <li>Item 8: Non-Routine Maintee</li> </ul>   | ver Maintenan<br>ver Fan Whee<br>p Maintenance<br>aintenance<br>vated Carbon<br>nent<br>enance – Vege           | ce D<br>I Dr  | Item 7: Solids Filtratio  | n Change-out<br>Vaintenance Services                         |
| Nous of David / Oussalin / Ma   | torial Manuf  | returor   | Model Number  | Quantity Used  |
| Name or Part / Supply / Ma  |   |   |   |  |
|   |   |   |   |  |
| Description of Waste Gene   | e of Waste  | Disposal Facility<br>(Name & Address)   | Waste Transporter<br>(Name & Address)   |  |
| la<br>1997 - Andrew Martin, and Andrew<br>1997 - Andrew Martin, and Andrew |   | <u>eren en stan anderen en stan anderen en stan stan stan stan stan stan stan sta</u> |   | <u> </u>   |
| In signing this report I here<br>activities performed during<br>STI and Dvirka and Bartiluc   | by certify that<br>this event con   | to the best of<br>form to the re<br>S   | i<br>my knowledge the mair<br>equirements specified ur<br><i>Loke Sorensen</i><br>ignature / Print / Date | ntenance and inspection<br>nder contract between<br>\$/15/08 |

|  |   | ······································        |  |                         |  |  |  |  |
|--|---|---|--|-------------------------|--|--|--|--|
| Date: 8/8/08   |   |   |  |                         |  |  |  |  |
| Name of Personnel<br>Onsite  | Title   | Time Arrived                                  | Time Departed                              | I Total Hours           |  |  |  |  |
| L. Sorensen  | President   | 0800  | 1815                                       | 11.75 (incl.<br>travel) |  |  |  |  |
| E. Sorensen  | Technician  | 0800  | 1815                                       | 11.75 (incl.<br>travel) |  |  |  |  |
|  |   |   |  |                         |  |  |  |  |
| Check off Items that were  | completed:  | a and an and a factor of                      |  |                         |  |  |  |  |
| <ul> <li>Item 1: Snow Remova</li> <li>Item 2: Pressure Blow</li> <li>Item 2A: Pressure Blow</li> <li>Replacement</li> <li>Item 3: Transfer Pum</li> <li>Item 4: Air Stripper M</li> <li>Item 5: Granular Active</li> <li>Removal and Replacement</li> </ul>  | <ul> <li>Item 1: Snow Removal</li> <li>Item 2: Pressure Blower Maintenance</li> <li>Item 2A: Pressure Blower Fan Wheel<br/>Replacement</li> <li>Item 3: Transfer Pump Maintenance</li> <li>Item 4: Air Stripper Maintenance</li> <li>Item 5: Granular Activated Carbon<br/>Removal and Replacement</li> </ul> |   |  |                         |  |  |  |  |
| Description of Work:<br>1.) Item 8: Non-Routine Maintenance:<br>Removed/replaced RW-2 pump, motor, power cord; surged well with rubber block; installed<br>pressure gauge/isolation valve on well-head discharge piping; re-installed pump assembly but<br>unable to connect discharge piping due to accumulation of silt in bottom of well that prevents<br>installation of pump to full depth; notified S. Tauss, operations put on hold until a later date after<br>D&B selects a solution for removal of silt;<br>Left four (4) pressure gauges and isolation valves in treatment building for installation at later date;<br>Adjusted tension on roof vent fan that was making "squealing" noise – problem corrected;<br>Called back to site by S. Tauss after departure to respond to a system shutdown. Met "Kevin" of<br>D&B, gave direction on roof vent? |   |   |  |                         |  |  |  |  |
| 2.) Item 3: Transfer Pump I  | Vaintenance   |   | an a sa s | <u></u>                 |  |  |  |  |
| Name of Part / Supply / Ma   | iterial Manufac   | turer M                                       | odel Number                                | Quantity Used           |  |  |  |  |
| Well Pump  | Grundfo   | s 18  | 50S100-5                                   | 1                       |  |  |  |  |
| Motor  | Franklin  | 23  | 366124020                                  | 1                       |  |  |  |  |
| Pressure Gauge   | Weksler   | A   | Y44-2                                      | 5                       |  |  |  |  |
| Isolation Valve  | Apollo  | 1/  | 4BRBVMXF                                   | 5                       |  |  |  |  |
| Motor Cord   | Morris  | 1(  | )/3AWG50FTXLPE                             | [1                      |  |  |  |  |
|  | and a second  | nan da ang ang ang ang ang ang ang ang ang an |  |                         |  |  |  |  |

| Splice Kit  | Polaris   | 4-14AWG   | 4   |  |
|---|---|---|---|--|
| Description of Waste Generated  | Volume of Waste Disposal Facility<br>(Name & Address) |   | Waste Transporter<br>(Name & Address)                       |  |
|   |   |   |   |  |
|   |   |   |   |  |
| In signing this report I hereby cer<br>activities performed during this ev<br>STI and Dvirka and Bartilucci | tify that to the best of<br>vent conform to the re    | my knowledge the main<br>equirements specified un<br><u>Loke Sorensen</u>                                       | ntenance and inspection<br>nder contract between<br>8/15/08 |  |
|   |   | The second se |   |  |

|   |   | n <mark>g tan<sup>l</sup>an tu tikan dalka sala si ata tagén ninin</mark>  |  | 5  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| Date: 8/21/08   | anny an is an ann an  | n and a start a  |  |  |  |  |  |  |  |
| Name of Personnel Onsite  | Title   | Time Arrived   | Time Departe                             | ed Total Hours   |  |  |  |  |  |
| L. Sorensen   | President   | 1030   | 1415                                     | 3.75 on site   |  |  |  |  |  |
| E. Sorensen   | Technician  | 1030   | 1415                                     | 3.75 on site   |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   |   | <ul> <li>A District of the second s</li></ul> |  |  |  |  |  |  |  |
| Check off Items that were c   | completed:  | and reachements provide the second  |  |  |  |  |  |  |  |
| <ul> <li>□ Item 1: Snow Removal</li> <li>□ Item 1: Snow Removal</li> <li>□ Item 2: Pressure Blower Maintenance</li> <li>□ Item 3: Transfer Pump Maintenance</li> <li>□ Item 4: Air Stripper Maintenance</li> <li>□ Item 5: Granular Activated Carbon Removal and Replacement</li> <li>□ Description of Work:</li> <li><u>Item 2: Pressure Blower Maintenance</u></li> <li>1. Inspected fan wheel for wear and corrosion;</li> </ul> |   |  |  |  |  |  |  |  |  |
| <ol> <li>Inspected motor wind</li> <li>Lubricated motor bea</li> <li><u>Item 8: Non-Routine Mainter</u></li> <li>1. Picked up garbage from 2. Vacuumed/mopped beam</li> </ol>   | ing for dust and<br>rings.<br><u>nance Services</u><br>om site exterior<br>uilding interior | <b>dirt;</b>   |  |  |  |  |  |  |  |
| Name of Part / Supply / Mate  | erial Manufac   | turer Moo  | lel Number                               | Quantity Used  |  |  |  |  |  |
| Bearing Grease  | Mobil   | Mot  | vilith SHC100                            | Not Measurable   |  |  |  |  |  |
| an ann an an an an an an an ann an ann an a   |   |  |  |  |  |  |  |  |  |
| <u>.</u>  |   |  |  | n na serie de la construcción de l<br>En la construcción de la construcción<br>En la construcción de la construcción |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
| Description of Waste Generation   | ated Volume   | of Waste Disp<br>(Na   | oosal Facility<br>me & Address)          | Waste Transporter<br>(Name & Address)  |  |  |  |  |  |
|   | <u></u>   |  | an a |  |  |  |  |  |  |

| 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  |

.

| Date: 8/22/08   |                                     |   |  |   |  |  |  |  |
|---|-------------------------------------|---|--|---|--|--|--|--|
| Name of Personnel<br>Onsite   | Title                               | Time Arrived  | Time Departe   | ed Total Hours  |  |  |  |  |
| L. Sorensen   | President                           | 0800  | 2015   | 12.25 on site   |  |  |  |  |
| E. Sorensen   | Technician                          | 0800  | 2015   | 12.25 on site   |  |  |  |  |
|   |                                     | <ul> <li>Construction (Construction) - Construction (Construction)</li> <li>Construction (Construction)</li> <li>Construction (Construction)</li> </ul>   |  |   |  |  |  |  |
| Check off Items that were   | completed:                          |   |  |   |  |  |  |  |
| <ul> <li>Item 1: Snow Removal</li> <li>Item 2: Pressure Blower Maintenance</li> <li>Item 2A: Pressure Blower Fan Wheel<br/>Replacement</li> <li>Item 3: Transfer Pump Maintenance</li> <li>Item 4: Air Stripper Maintenance</li> <li>Item 5: Granular Activated Carbon<br/>Removal and Replacement</li> <li>Description of Work:</li> </ul> |                                     |   |  |   |  |  |  |  |
|   |                                     |   |  | in Age with your system was an and a second seco |  |  |  |  |
| Name of Part / Supply / Ma  | aterial Manufac                     | urer Mod  | lel Number   | Quantity Used   |  |  |  |  |
| DOT 17H Drum  |                                     |   | <u></u>  | · 1   |  |  |  |  |
|   |                                     |   | م الم معنى الم           |   |  |  |  |  |
| Description of Waste Gene   | erated Volume of                    | of Waste Disp<br>(Na  | oosal Facility<br>me & Address)                              | Waste Transporter<br>(Name & Address)   |  |  |  |  |
| Sand  | 1/2 Drum                            | in a state of the |  |   |  |  |  |  |
| In signing this report I here activities performed during STI and Dvirka and Bartilu  | by certify that to this event confo | the best of my kn   | owledge the main<br>nents specified ur<br><i>ke Sorensen</i> | tenance and inspection<br>nder contract between<br>///3/08  |  |  |  |  |
|   |                                     | Signatur  | e / Frint / Date   | ж.<br>1. м.   |  |  |  |  |

|  |   | ······                                   |  |   |  |  |  |  |  |  |
|--|---|--|--|---|--|--|--|--|--|--|
| Date: 8/29/08                              |   |  | wante and the state of the stat |   |  |  |  |  |  |  |
| Name of Personnel Onsite                   | Title   | Time Arriv                               | red Time Depart  | ed Total Hours  |  |  |  |  |  |  |
| L. Sorensen                                | President   | 0700                                     | 1000   | 3 on site   |  |  |  |  |  |  |
| E. Sorensen                                | Sorensen Technician 0700 1  |  | 1000   | 3 on site   |  |  |  |  |  |  |
|  |   |  |  |   |  |  |  |  |  |  |
|  |   |  |  |   |  |  |  |  |  |  |
| Check off Items that were o                | ompleted:   |  | en ander en  | n na                |  |  |  |  |  |  |
| □ Item 1: Snow Remova                      | Item 1: Snow Removal     Item 6: Removal and Replacement of Air     Stringer Deaking Material |  |  |   |  |  |  |  |  |  |
| □ Item 2: Pressure Blow                    | er Maintenanc   | e 🗹                                      | Item 7: Solids Filtratic   | on Change-out   |  |  |  |  |  |  |
| ☐ Item 2A: Pressure Blow                   | er Fan Wheel  |  | Item 8: Non-Routine  | Maintenance Services                                    |  |  |  |  |  |  |
| Replacement                                |   | 44, 1911                                 | adardandu, yana gannarak - yang burunnun kura na akara kara s  |   |  |  |  |  |  |  |
| Item 3: Transfer Pump                      | Maintenance   |  |  |   |  |  |  |  |  |  |
| 🛛 Item 4: Air Stripper Ma                  | iintenance  |  |  |   |  |  |  |  |  |  |
| □ Item 5: Granular Activa                  | ated Carbon   |  |  |   |  |  |  |  |  |  |
| Removal and Replacem                       | ent   |  |  |   |  |  |  |  |  |  |
|  |   | <u></u>                                  | ta di ta di patri da para sedera   |   |  |  |  |  |  |  |
| Description of work.                       |   |  |  |   |  |  |  |  |  |  |
| Itom 9: Non Poutino Mainta                 | 30000   |  |  |   |  |  |  |  |  |  |
| 1 Euroich and install br                   | <u>iance</u><br>see fittinge for  |  | on DIM-2   |   |  |  |  |  |  |  |
| 2 Furnish and install en                   | ass illungs ibi<br>ma numa fuse   | evel yauyen                              | JII I NV V-2.,   |   |  |  |  |  |  |  |
| 2. I UITIISIT AND INSIAN SU                | mp pump tuse  | 0  |  |   |  |  |  |  |  |  |
| Item 7 <sup>-</sup> Solids Filtration Char | nde-Out   |  |  |   |  |  |  |  |  |  |
| 1. Removed and replace                     | ed filter cartride  | jes                                      |  |   |  |  |  |  |  |  |
| 2. Fabricated and replace                  | ed gasket   |  |  |   |  |  |  |  |  |  |
|  |   | an a |  |   |  |  |  |  |  |  |
| Name of Part / Supply / Mate               | erial Manufa  | sturer                                   | Model Number   | Quantity Used   |  |  |  |  |  |  |
| Filter Cartridges                          | Harmsc  | 0  | 2.5x10   | /5  |  |  |  |  |  |  |
| Fuse                                       | Amptrar   | )<br>                                    | <u>  20A</u>   | 3   |  |  |  |  |  |  |
| Brass fittings                             | Mueller   |  | Unknown  | Lot   |  |  |  |  |  |  |
| Solids Filter Gasket                       | System  | atic                                     | N/A  |   |  |  |  |  |  |  |
|  |   |  |  |   |  |  |  |  |  |  |
| Description of Waste Generation            | ated   Volume   | of Waste                                 | Disposal Facility<br>(Name & Address)  | (Name & Address)  |  |  |  |  |  |  |
| Spent Filters                              | 1/2 Drum  | ······                                   |  |   |  |  |  |  |  |  |
| a na anala ana ana ana ana ana ana ana a   |   |  | · · · · · · · · · · · · · · · · · · ·  |   |  |  |  |  |  |  |
|  |   |  | n an   |   |  |  |  |  |  |  |
| In signing this report I hereb             | y certify that to   | the best of                              | my knowledge the mair  | ntenance and inspection                                 |  |  |  |  |  |  |
| activities performed during the            | his event confo   | orm to the re                            | quirements specified ur  | nder çonţract between                                   |  |  |  |  |  |  |
| STI and Dvirka and Bartiluco               | i   |  | Like Sovensen  | 11/3/08   |  |  |  |  |  |  |
|  |   | Si                                       | nature / Print / Date  | , juuri kana geno i ka u antonen noor nu end 98 82 mili |  |  |  |  |  |  |
|  |   |  | · · · · · · · · · · · · · · · · · · ·  |   |  |  |  |  |  |  |

| <u> </u>  |   | <u></u>       | <u></u>   |  |
|---|---|---------------|---|--|
| Date: 9/12/08   |   | :<br>         |   |  |
| Name of Personnel T<br>Onsite   | itle  | Time Arrive   | d Time Departe  | ad Total Hours   |
| L. Sorensen P   | resident                                    | 0700          | 1000  | 3 on site  |
| E. Sorensen T   | echnician                                   | 0700          | 1000  | 3 on site  |
|   |   |               |   |  |
|   |   |               |   |  |
| Check off Items that were co  | mpleted:                                    |               |   |  |
| □ Item 1: Snow Removal  |   |               | em 6: Removal and   | Replacement of Air   |
|   | Maintonanco                                 |               | am 7. Solids Filtratio  | n Change-out   |
| □ Item 2A: Pressure Blower  | r Fan Wheel                                 |               | em 8: Non-Routine M   | Maintenance Services   |
| Renlacement   |   |               | onno. norritodunie r  |  |
| □ Item 3: Transfer Pump M   | Maintenance                                 |               |   |  |
| ☐ Item 4: Air Stripper Main   | itenance                                    |               |   |  |
| □ Item 5: Granular Activat  | ed Carbon                                   |               |   |  |
| Removal and Replaceme   | nt  |               |   |  |
| ·   |   |               |   |  |
| Description of Work:  |   |               |   |  |
| These States The other Mathematica  |   |               |   | time and the second   |
| Item 6: Non-Routine Maintena  | <u>illice</u><br>va fittinga for la         |               | DIMO  |  |
| 1. Furnish and install our  | ss nump fucce                               | vel gauge ol  | 1 MY - 2,   |  |
| 2. Furnish and instan sun   | ip pump iuses                               |               |   | and the second |
| Item 7: Solide Filtration Chang   | no_Qut                                      |               |   |  |
| 1 Removed and replaced  | t filter cartridoe                          | S             |   |  |
| 2. Fabricated and replace   | d gasket                                    | 5             |   |  |
|   |   |               | Medal Number  | Ouantity Used  |
| Name of Part / Supply / Mater   |   | urer          |   | 75   |
|   | Ametran                                     |               | 2.50  | 2  |
| Puse  | Muollos                                     |               | Lloknown  | Lot  |
| Brass nuings  | Nueller<br>Crotomat                         | <b>.</b>      | NIZA  |  |
| Solids Filter Gasket  | Systemat                                    |               | IN/7X   |  |
| Description of March Concerned  | A Valumo a                                  | f\Mooto       | Disposal Eacility   | Waste Transporter  |
| Description of waste General  |   | I VVASIC      | (Name & Address)  | (Name & Address)   |
| Coopt Eilfore   | 14 Drum                                     |               | (Name a radiess)  |  |
| opent rineto  | /2 1/10/11                                  |               |   | <u>. 1</u> 2   |
| ىيى مەرەپ بېرىيى يېرىكى يې<br>يېرىكى يېرىكى |   |               |   |  |
| In signing this report I hereby   | certify that to                             | the hest of m | v knowledge the main  | tenance and inspection   |
| activities performed during thi   | s event confor                              | mato the rea  | uirements specified ur  | nder contract between  |
| STI and Dvirka and Bartilucci   |   | S 2           | ske Sovensen  | 11/3/08  |
|   |   | Siar          | nature / Print / Date   | and the second |
| 4<br>   | a a cara a cara <u>cara na s</u> te e se da |               | a and a second and a second |  |

ATTACHMENT D

### ANALYTICAL RESULTS

♦2578\SET10078-PL\_QR15.DOC

### 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       |
|-----------------------------|-----------|----------|-------------|-----------------------|
| SAMPLE TYPE                 | WATER     | WATER    | WATER       | GROUNDWATER STANDARDS |
| DATE OF COLLECTION          | 7/14/2008 | 8/6/2008 | 9/12/2008   | AND GUIDANCE VALUES   |
| COLLECTED BY                | D&B       | D&B      | D&B         | (ua/L)                |
| UNITS                       | (ug/L)    | (ug/L)   | (ug/L)      | (-0-7)                |
| VOCs                        |           |          |             | E OV                  |
| Dichlorodifluoromethane     | U         | U I      | U I         | 5 GV                  |
| Chloromethane               | U I       | U I      | U           | <br>Э СТ              |
| Vinyl chloride              | U I       | U        |             | 2 3 I<br>5 ST         |
| Bromomethane                | U         | U        |             | 5 ST                  |
| Chioroethane                | U         | U        |             | 5 ST                  |
| 1 1 Disblereethene          |           |          |             | 5 ST                  |
|                             |           |          | U I         | 50 GV                 |
| lodomethane                 | U U       | u l      | ŭ l         | -                     |
| Carbon disulfide            | ŭ         | ŭ        | Ŭ           | 60 GV                 |
| Methylene chloride          | Ŭ I       | Ū        | Ŭ           | 5 ST                  |
| trans 1,2-Dichloroethene    | Ū         | Ū        | U           | 5 ST .                |
| Methyl-tert butyl ether     | Ū         | U        | 3.1 J       | 10 GV                 |
| 1,1-Dichloroethane          | U         | U        | 1.5 J       | 5 ST                  |
| Vinyl acetate               | U         | U        | U. I        |                       |
| 2-Butanone                  | U         | U        | U           | 50 GV                 |
| cis-1,2-Dichloroethene      | 47        | 65       | 29          | 551                   |
| 2,2-Dichloropropane         | U I       | <u> </u> | U           | 551<br>567            |
| Bromochloromethane          | U I       | U I      | U I         | 001<br>707            |
| Chloroform                  | U I       | N I      | 111         | 7 ST                  |
| 1,1,1-Irichloroethane       | N I       | U        | 1.1 J<br>11 | 5.51                  |
| Carbon totraphlorido        | U         |          | U U         | 5 ST                  |
| Carbon tetrachionue         |           | u 1      | ŭ           | 0.6 ST                |
| Benzene                     | u u       | Ŭ        | ŭ           | 1 ST                  |
| Trichloroethene             | 41        | 63       | 17          | 5 ST                  |
| 1.2-Dichloropropane         | U         | U        | U           | 1 ST                  |
| Bromodichloromethane        | Ū         | 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        | Û           | 0.4 ST                |
| 1,1,2-Trichloroethane       | U.        | U I      | U           | 1 3 I<br>5 CT         |
| 1,3-Dichloropropane         | U         | U<br>280 | U           | 5 ST                  |
| letrachioroethene           | 220       | 280      | 0 D         | 50 GV                 |
| 2-Hexanone                  |           | U I      | U<br>11     | 50 GV                 |
|                             |           | U<br>II  | U<br>       | 5 ST                  |
|                             |           |          | 11          | 5 ST                  |
| 1 1 1 2-Tetrachloroethane   |           | U        | ü           | 5 ST                  |
| Fthylbenzene                | U U       | 5<br>[]  | Ŭ           | 5 ST                  |
| Xviene (total)              | u u       | Ŭ        | Ũ           | 5 ST                  |
| Styrene                     | Ŭ         | Ū        | U           | 5 ST                  |
| Bromoform                   | Ū         | Ŭ        | 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<br>       | 551                   |
| 2-Chlorotoluene             | l Ü       | U U      | U           | 0 0 0 0<br>E CT       |
| 1,3,5-Trimethylbenzene      | <u> </u>  |          |             | 16 C                  |
| 4-Chlorotoluene             |           |          |             | 591                   |
|                             |           |          |             | 5.57                  |
|                             |           |          |             | 5.51                  |
| Sec-BulyiDenzene            |           |          | U U         | 5 ST                  |
| 1 3-Dichlorobenzene         |           | l ü      | Ŭ           | 3 ST                  |
|                             |           | i i      | ŭ           | 3 ST                  |
| n-Butylbenzene              | l ŭ       | ŭ        | Ŭ           | 5 ST                  |
| 1 2-Dichlorobenzene         | l ŭ       | l ŭ      | Ū           | 3 ST                  |
| 1.2-Dibromo-3-chloropropane | l ŭ       | Ū        | Ū           | 0.04 ST               |
| 1,2,4-Trichlorobenzene      | Ū         | Ū        | U U         | 5 ST                  |
| Hexachlorobutadiene         | Ū         | U U      | U U         | 0.5 ST                |
| Naphthalene                 | U         | U        | U           | 10 GV                 |
| 1,2,3-Trichlorobenzene      | U         | U        | UU          | 5 ST                  |
| Total VOCs                  | 308       | 408      | 107.7       |                       |

### NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

### ABBREVIATIONS:

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

### QUALIFIERS:

ug/L = Micrograms per liter 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

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

|          | NYSDEC CLASS GA | GROUNDWATER        | STANDARDS    | (ng/L) |                     |          | ო        | 25      | 1,000  | 1        | 5       | 1       | 1        | 1      | 200    | 300    | 25 | ł         | 300       | 0.7 | 100    | 1         | 10       | 50     | 20,000  | 1        | 1      | 1    | 500                        |                   |  |
|----------|-----------------|--------------------|--------------|--------|---------------------|----------|----------|---------|--------|----------|---------|---------|----------|--------|--------|--------|----|-----------|-----------|-----|--------|-----------|----------|--------|---------|----------|--------|------|----------------------------|-------------------|--|
| COMB INF | WATER           | 9/12/2008          | D&B          | (ng/L) |                     | 65.0 B   | D        | D       | 29.2 B | >        | >       | 68,400  | 0.28 B   | 2.7 B  | 20.3 B | 762    | D  | 34,800    | 1,830     |     | 2.6 B  | 7,680     | ⊃        | D      | 205,000 | D        | 0.55 B | 132  | 2,592                      |                   |  |
| COMB INF | WATER           | 8/6/2008           | D&B          | (ng/L) |                     | 7.8 B    | 2.1 B    | D       | 20.7 B | 0.056 B  | C       | 22,300  | 0.28 B   | 0.60 B | 6.2 B  | 31.1 B | D  | 3,890 B   | 1,140     | D   | 0.74 B | 2,840 B   | 3.2 B    | 3.8 B  | 28,400  | D        | D      | 36.9 | 1,171                      |                   |  |
| COMB INF | WATER           | 7/14/2008          | D&B          | (ng/L) |                     | 12.1 B   | D        | D       | 19.6 B | D        | D       | 22,900  | 0.47 B   | 0.64 B | 8.5 B  | 29.1 B |    | 3.940 B   | 1.030     | n   | 1.2 B  | 2.630 B   |          | 1.5 B  | 26,100  | D        |        | 28.5 | 1,059                      |                   |  |
| SAMPIFID | SAMPLE TYPE     | DATE OF COLLECTION | COLLECTED BY | UNITS  | INORGANIC COMPOUNDS | Aluminum | Antimony | Arsonic | Barium | Bervlium | Cadmium | Calcium | Chromium | Cohalt | Conner | lron   |    | Macnesium | Mandanese |     | Nickel | Potassium | Selenium | Silver | Sodium  | Thallinm |        | Zinc | Lino<br>Iton and Manganese | GENERAL CHEMISTRY |  |

NOTES:

### **QUALIFIERS:**

B: Analyte detected greater than IDL, but less than CRDL. Concentration exceeds NYSDEC B: Analyte detected greater than IDL, but lesi 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       |
|-----------------------------|-----------|-----------|-----------------------|
| SAMPLE TYPE                 | WATER     | WATER     | GROUNDWATER STANDARDS |
| DATE OF COLLECTION          | 9/12/2008 | 9/12/2008 | AND GUIDANCE VALUES   |
| COLLECTED BY                | D&B       | D&B       |                       |
| UNITS                       | (ug/L)    | (ug/L)    | \~ <del>~</del> ,~_,  |
| VOCs                        |           |           | 5.01                  |
| Dichlorodifluoromethane     | U         | U I       | 5 GV                  |
| Chloromethane               | U         | U. I      | -                     |
| Vinyl chloride              | U         |           | 201<br>E OT           |
| Bromomethane                | U         |           | 551                   |
| Chloroethane                | U         |           | 001<br>5 CT           |
| Irichlorofluoromethane      | U         |           | 001<br>507            |
| 1,1-Dichloroethene          | U         |           | 50 GV                 |
| Acetone                     | U         | 0         | 50 87                 |
| Corthon disulfide           | U         |           | 60 GV                 |
| Carbon disulide             |           |           | 5 ST                  |
| trans 1.2-Dichloroethene    |           |           | 5 ST                  |
| Methyl-tert butyl ether     | U<br>U    | 40.1      | 10 GV                 |
| 1 1-Dichloroethane          | 1         | 2.3.1     | 5 ST                  |
| Vinyl acetate               |           |           |                       |
| 2-Butanone                  | U<br>U    | l ŭ l     | 50 GV                 |
| cis-1.2-Dichloroethene      | 57        | 19        | 5 ST                  |
| 2.2-Dichloropropane         | <u> </u>  | U         | 5 ST                  |
| Bromochloromethane          | Ŭ         | Ū         | 5 ST                  |
| Chloroform                  | Ŭ         | Ū         | 7 ST                  |
| 1.1.1-Trichloroethane       | Ŭ         | 1.8 J     | 5 ST                  |
| 1.1-Dichloropropene         | Ū         | Ū         | 5 ST                  |
| Carbon tetrachloride        | Ū         | U         | 5 ST                  |
| 1,2-Dichloroethane          | U         | 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         | L U       | 5 ST                  |
| cis-1,3-Dichloropropene     | U         | 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 U       |                       |
| 1,3-Dichloropropane         | UU        | U U       | 581                   |
| Tetrachloroethene           | 180       | 4.4 BJ    | 551                   |
| 2-Hexanone                  | U U       |           | 50 GV                 |
| Dibromochloromethane        |           |           | 50 GV                 |
| 1,2-Dibromoethane           |           |           | 000<br>507            |
| Chlorobenzene               |           |           | 500                   |
| 1,1,1,2-I etrachloroethane  |           |           | 5001<br>507           |
|                             |           |           | 591                   |
|                             |           |           | 5.51                  |
| Styrene                     |           |           | 50 GV                 |
|                             |           |           | 5.50                  |
| 1 1 2 2 Tetrachloroothano   |           |           | 5 51                  |
| Romobenzene                 |           |           | 5 ST                  |
| 1 2 3-Trichloropropage      |           | l ŭ       | 0.04 ST               |
| n-Pronylbenzene             |           | l ŭ       | 5 ST                  |
| 2-Chlorotoluene             |           | l ŭ       | 5 ST                  |
| 1 3 5-Trimethylbenzene      |           | l ŭ       | 5 ST                  |
| 4-Chlorotoluene             | Ŭ Ŭ       | l Ŭ       | 5 ST                  |
| tert-Butylbenzene           | U U       | Ŭ         | 5 ST                  |
| 1.2.4-Trimethylbenzene      | l ŭ       | Ū         | 5 ST                  |
| sec-Butybenzene             | Ū         | Ū         | 5 ST                  |
| 4-Isopropyltoluene          | Ū         | Ū         | 5 ST                  |
| 1.3-Dichlorobenzene         | Ū         | Ū         | 3 ST                  |
| 1.4-Dichlorobenzene         | l Ū       | U U       | 3 ST                  |
| n-Butylbenzene              | Ū         | U U       | 5 ST                  |
| 1.2-Dichlorobenzene         | Ū         | U U       | 3 ST                  |
| 1,2-Dibromo-3-chloropropane | Ŭ         | U         | 0.04 ST               |
| 1,2,4-Trichlorobenzene      | U U       | U U       | 5 ST                  |
| Hexachlorobutadiene         | U         | U U       | 0.5 ST                |
| Naphthalene                 | U         | U U       | 10 GV                 |
| 1,2,3-Trichlorobenzene      | U         | U         | 5 ST                  |
| Total VOCs                  | 277       | 39.2      |                       |

### NOTES:

### ABBREVIATIONS:

Concentration exceeds NYSDEC Class GA Groundwater Standard or Guidance Value

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

### **QUALIFIERS:**

ug/L = Micrograms per liter 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

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### 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  |                 |
|---------------------|-----------|-----------|-----------------|
| SAMPLE TYPE         | WATER     | WATER     | NYSDEC CLASS GA |
| DATE OF COLLECTION  | 9/12/2008 | 9/12/2008 | GROUNDWATER     |
| COLLECTED BY        | D&B       | D&B       | STANDARDS       |
| UNITS               | (ug/L)    | (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       | 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       | 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    |                 |
|---|-----------|-----------------|
| SAMPLE TYPE                               | WATER     |                 |
| DATE OF COLLECTION                        | 9/12/2008 |                 |
| COLLECTED BY                              | D&B       |                 |
| UNITS                                     | (ug/L)    | (ug/L)          |
| VOCs                                      |           |                 |
| Dichlorodifluoromethane                   | U         | 5 GV            |
| Chloromethane                             | U         |                 |
| Vinyl chloride                            | U I       | 251             |
| Bromomethane                              | U         | 001<br>5 CT     |
| Trichlorofluoromethere                    |           | 5 ST            |
| 1 1-Dichloroethene                        | u         | 5 ST            |
| Acetone                                   | ŭ         | 50 GV           |
| lodomethane                               | Ū l       |                 |
| Carbon disulfide                          | υ         | 60 GV           |
| Methylene chloride                        | υ         | 5 ST            |
| trans 1,2-Dichloroethene                  | U         | 5 ST            |
| Methyl-tert butyl ether                   | 1.3 J     | 10 GV           |
| 1,1-Dichloroethane                        | <u> </u>  | 551             |
| viriyi acetate                            | U II      |                 |
| z-butanone                                |           | 5 ST            |
| 2 2-Dichloropropage                       | 1         | 5 ST            |
| Bromochloromethane                        | Ŭ         | 5 ST            |
| Chloroform                                | ū l       | 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         |                 |
|   | U<br>I    | 001<br>1 et     |
| r,z-Dichloropropane                       | U         | 5.51            |
| cis-1 3-Dichloropropene                   | U II      | 0.4 ST          |
| 4-Methyl-2-pentapone                      | ŭ         | -               |
| Toluene                                   | Ŭ         | 5 ST            |
| trans-1,3-Dichloropropene                 | Ū         | 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<br>ह ल्म  |
| r,2-Dibromoeinane                         | U<br>II   | 551             |
| 1 1 1 2-Tetrachloroethane                 |           | 5 ST            |
| Ethylbenzene                              | ŭ         | 5 ST            |
| Xylene (total)                            | Ŭ         | 5 ST            |
| Styrene                                   | U         | 5 ST            |
| Bromoform                                 | U         | 50 GV           |
| Isopropylbenzene                          | U         | 5 ST            |
| 1,1,2,2-Tetrachloroethane                 | U         | 5 ST            |
| Bromobenzene                              | U U       | 551             |
| 1,2,3- I richloropropane                  | U         | 0.04 51         |
| 11-Propyidenzene                          |           | 5 ST            |
| 2-oniorololuene<br>1 3 5-Trimethylhenzene | U<br>11   | 551             |
| 4-Chlorotoluene                           | u U       | 5 ST            |
| tert-Butvlbenzene                         | Ŭ         | 5 ST            |
| 1,2,4-Trimethvlbenzene                    | Ū         | 5 ST            |
| sec-Butylbenzene                          | U         | 5 ST .          |
| 4-Isopropyltoluene                        | U         | 5 ST            |
| 1,3-Dichlorobenzene                       | U         | 3 ST            |
| 1,4-Dichlorobenzene                       | U U       | 3 ST            |
| n-Butylbenzene                            |           | 551             |
| 1,2-Dichlorobenzene                       |           | 100<br>004 ST   |
| 1,2-Dibromo-3-chloropropane               |           | 0.04 31<br>5 ST |
| 1,2,4-11ichloropenzene                    |           | 0557            |
| Nanhthalene                               | U Ü       | 10 GV           |
| 1.2.3-Trichlorobenzene                    | Ŭ         | 5 ST            |
| Total VOCs                                | 1.3       |                 |

### NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

ST: Standard Value

### **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

GV: Guidance Value J:\\_HazWaste\2578 (NYSDEC - Active Industrial Uniform)\Quarterly Reports\Quarter 15 (July 2008 - September 2008)\Activesamplingqtr15.xls

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

| SAUELE TYPE         WATER         WATER         WATER         WATER         WATER         WATER         WATER         WATER         WATER         Size Specific           SAUELE OF COLON         D68         D68         D68         D68         D68         Bite Specific  | SAMPLE ID                      | COMB EFF  | COMB EFF      | COMB EFF       |                     |
|--|--------------------------------|-----------|---------------|----------------|---------------------|
| DATE © COLLECTION         77/42000         882 80200         97/22008         Site Specific           DATE OF COLLECTION         0.942         0.942         0.942         CBL           DATE OF COLLECTION         0.942         0.942         0.942         0.942           DATE OF COLLECTION         0.942         0.942         0.942         0.942           DATE OF COLLECTION         0.942         0.942         0.942         0.942           DESCONDENTIME         0.942         0.942         0.942         0.942           Carbon Gallofie         0.942         0.942         0.942         0.942 </td <td>SAMPLE TYPE</td> <td>WATER</td> <td>WATER</td> <td>WATER</td> <td>NYSDEC</td>   | SAMPLE TYPE                    | WATER     | WATER         | WATER          | NYSDEC              |
| COLLECTE BY         D68         D88         D88         D88         D88         Entrant Unifies on Park Park Park Park Park Park Park Park   | DATE OF COLLECTION             | 7/14/2008 | 8/6/2008      | 9/12/2008      | Site Specific       |
| UNITS         (cpl.)         (cpl.)         (cpl.)         (cpl.)           Decisionalization         U         U         U         NL           Biomornitane         U         U         U         NL           Biomornitane         U         U         U         NL           School Status         U         U         U         NL           School Status         U         U         U         NL           Martine         U         U         U         NL           Martinst  | COLLECTED BY                   | D&B       | D&B           | D&B            | Effluent Limitation |
| VXOs         U         U         U         U         U         U           Collordedisormethane         U         U         U         U         NL           Virgitables         U         U         U         U         NL           Virgitables         U         U         U         U         NL           Strengthane         U         U         U         NL           Chicostene         U         U         U         NL           Chicostene         U         U         U         NL           Cabon distifier         U         U         U         NL           Virgitables         DU         U         U         NL           Virgitables         DU         U         U         NL           Cabon distifier         U         U         U         NL           Cabon distifier         U         U         U         NL           Cabon distifier  | UNITS                          | (ug/L)    | (ug/L)        | (ug/L)         | (110/1)             |
| UCL:000000000000000000000000000000000000   | VOCs                           |           | II            | 11             | <u>(uy/L)</u><br>NI |
| Universite         U         NL           Chorabhane         U         U         U         U         U         U         NL   |                                |           |               | u 1            | NL                  |
| Brindmithine         U         U         U         U         U         U         NL           Chlorethane         U         U         U         U         NL         NL           TrichlorOutoromethane         U         U         U         U         NL         NL           Actione         U         U         U         U         NL         NL           Actionethane         U         U         U         NL         NL         NL           Actionethane         U         U   | Vinvi chloride                 | U U       | ŭ             | U U            | 10                  |
| Characterian         U         U         U         U         U         NL           Tchbordiuromethane         U         U         U         U         NL           Actore         U         U         U         U         NL           Actore         U         U         U         NL           Marchane         U         U         U         NL           Actore         U         U         U         NL           Marchane         U         U         U         NL           Actore         U         U         U         NL           Marchane         U         U         U         NL           Actore         U         U         U         NL           Act  | Bromomethane                   | ŭ         | ŭ             | · Ū            | NL                  |
| Tichlordinoranethane         U         U         U         U         U         NL           Acatone         U         U         U         U         NL         NL           Mathylace schoolde         U         U         U         NL         NL           Antipact Schoolshnee         U         U         U         NL         NL           Antipactable         U         U         U         NL         NL           All Schoolshnee         U         U         U         NL         NL           All Schoolshne  | Chloroethane                   | Ŭ         | Ū             | U              | NL                  |
| 11-Deckores         U         U         U         U         U         NL           Indomination         U         U         U         U         NL           Indomination         U         U         U         NL         NL           Indomination         U         U         U         NL         NL           Indomination         U         U         U         NL         NL           Internal 7.2 Deckoronization         U         U         U         NL         NL           Internal 7.2 Deckoronization         U         U         U         NL         NL           Internal 7.2 Deckoronization         U         U         U         NL         NL           2 Deckoronization         U   | Trichlorofluoromethane         | υÍ        | U             | U              | NL.                 |
| Actione         U         U         U         U         NL           Carbon destriction         U         U         U         U         NL           Carbon destriction         U         U         U         U         NL           Carbon destriction         U         U         U         NL         NL           Methyland choldentame         U         U         U         NL         NL           Methyland choldentame         U         U         U         NL         NL           Virsi acstate         U         U         U         U         NL         NL           Carbon fortentame         U         U         U         U         NL         NL           Choldentame         U         U         U         NL         NL  | 1,1-Dichloroethene             | U         | U             | U              | NL                  |
| bidomethane         U         U         U         U         NL           Methyler chloride         U         U         U         U         NL           Methyler chloride         U         U         U         NL         NL           Name 2.2 chloride         U         U         U         NL         NL           1.1 -Dehlorophane         U         U         U         NL         NL           2.2 behlorophane         U         U         U         NL         NL           2.4 behlorophane         U         U         U         NL         NL           Carbon tetrachorde         U         U         U         NL         NL           Carbon tetrachorde         U         U         U         NL         NL           Carbon tetrachorde         U         U         U         NL         NL           Carbon tetrachorophane         U         U   | Acetone                        | U         | U             | U              | NL                  |
| Carbon Buildie         U         U         U         U         U         NL           Vana 1, 2.0 chlorostene         U         U         U         U         NL           Vana 1, 2.0 chlorostene         U         U         U         NL         NL           Viryl acotate         U         U         U         U         NL           Viryl acotate         U         U         U         NL           Schalanone         U         U         U         NL           Carbon Stanbinnehme         U         U         U         NL           Schalanone         U         U         U         NL         NL           Schano  | lodomethane                    | U         | U             | U I            | NL                  |
| Wethyland 2.Dichloradhane         U         U         U         U         NL           1,1-Dichloradhane         U         U         U         U         NL           1,1-Dichloradhane         U         U         U         NL         NL           1,1-Dichloradhane         U         U         U         NL         NL           2,1-Dichloradhane         U         U         U         NL         NL           Carbon Intrachane         U         U         U         NL         NL           Carbon Intrachane         U         U         U         NL         NL           1,2-Dichloradhane         U  | Carbon disulfide               | U         | U             | U              |                     |
| Utable I. John Marken         U         U         U         NL           Virgit analysis         U         U         U         NL           Schart and Schart a  | Methylene chloride             | U         | 0             | 0              | 10*                 |
| Def of the Large Color         U         U         U         NL           2-binorance         U         U         U         NL           1,1-Dichicrosthane         U         U         U         NL           1,2-Dichiorance         U         U         U         NL <td>trans 1,2-Dichloroethene</td> <td>0</td> <td>ů l</td> <td>Ŭ</td> <td>NL</td>   | trans 1,2-Dichloroethene       | 0         | ů l           | Ŭ              | NL                  |
| Viny actate         U         U         U         U         NL           Solutione         U         U         U         U         NL           cist 2.2 biolongene         U         U         U         NL           Bronchloromethene         U         U         U         NL           Bronchloromethene         U         U         U         NL           Bronchloromethene         U         U         U         NL           1,1 f.Trichonsethane         U         U         U         NL           1.2-Dothoropethene         U         U         U         NL           1.3-Dothoropethene <td>1 1-Dichloroethane</td> <td>ŭ</td> <td>Ŭ</td> <td>Ŭ</td> <td>NL</td>  | 1 1-Dichloroethane             | ŭ         | Ŭ             | Ŭ              | NL                  |
| 224uanone         U         U         U         U         NL           251-20-Chlorophone         U         U         U         NL           2.2-Dichlorophone         U         U         U         NL           2.2-Dichlorophone         U         U         U         NL           Charoform         U         U         U         NL           Charoform         U         U         U         NL           1.1-Dichlorophone         U         U         U         NL           1.2-Dichlorophone         U         U  | Vinvl acetate                  | Ŭ         | Ũ             | Ū              | NL                  |
| Display         U         U         U         U         U         Image: Constraint of the consthe constraint of the consthe constraint of the constrai  | 2-Butanone                     | Ū         | U             | U              | NL                  |
| 2,2)Dihorophogene         U         U         U         U         NL           Chieroform         U         U         U         NL         NL           Chieroform         U         U         U         NL         NL           1,1-Dichloroethane         U         U         U         NL         NL           1,1-Dichloroethane         U         U         U         NL         NL           2,2-Dichlorophane         U         U         U         NL         NL           2,2-Dichlorophane         U         U         U         NL         NL           2,2-Dichlorophane         U         U         U         NL         NL           2,1-Dichlorophane         U         U         U         NL         NL           2,1-Dichlorophane         U         U         U         NL         NL           1,2-Dichlorophane         U         U         U         NL         NL           1,2-Dichlorophane         U         U         U         NL         NL           1,2-Dichlorophane         U         U         U         NL         NL           1,1,2-Tetachoroethane         U         U   | cis-1,2-Dichloroethene         | U         | U             | U              | 10*                 |
| Bromschiozomethane         U         U         U         U         U         NL           Chlordorm         U         U         U         U         NL         NL           1,1,1-Tichloropethane         U         U         U         NL         NL           Carbon leftachloride         U         U         U         NL         NL           Carbon leftachloride         U         U         U         NL         NL           Denzane         U         U         U         NL         NL           Stansone         U         U         U         NL         NL           1,3-Dichloropropene         U         U   | 2,2-Dichloropropane            | U         | U             | U              | NL                  |
| Chiorotom U U U U U NL<br>1.1-Dichioroethane U U U U NL<br>1.1-Dichioroethane U U U U NL<br>1.2-Dichioroethane U U U U NL<br>2.2-Dichioroethane U U U U NL<br>Earnane U U U U U NL<br>Earnane U U U NL<br>NL<br>1.2-Dichioropopane U U U NL<br>NL<br>1.2-Dichioropopane U U U NL<br>NL<br>1.2-Dichioropopane U U U NL<br>Toblemore U U U NL<br>1.2-Dichioropopane U U U NL<br>1.2-Trichionoschane U U U NL<br>1.2-Dichioropopane U U U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Dichioropopane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Dichioropopane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Trichionoschane U NL<br>1.2-Dibromethane U N | Bromochloromethane             | U I       | U             | U I            | NL<br>NU            |
| 1,1-intonorement         U         U         U         U         U         U         NL           Carbon leftachloride         U         U         U         U         NL         NL           Carbon leftachloride         U         U         U         U         NL         NL           Eanzane         U         U         U         U         NL         NL           Eanzane         U         U         U         U         NL         NL           Eanzane         U         U         U         U         NL         NL           Trichorechene         U         U         U         NL         NL         NL           Trichorechene         U         U         U         U         NL         NL           Tokano entene         U         U         U         U         NL         NL           Trichorechene         U         U         U         U         NL         NL           Trichorechene         U         U         U         U         NL         NL           Trichorechene         U         U         U         NL         NL         NL           Trichorechen   | Chioroform                     | U I       | U I           | U I            |                     |
| I, -Construction detail indice         U         U         U         U         U         U           1, 2-Dichlorgehane         U         U         U         U         NL           Encane         U         U         U         U         NL           Trichlorgehane         U         U         U         NL         NL           Bromodichloromethane         U         U         U         NL         NL           Bromodichloromethane         U         U         U         NL         NL           Cal-3 Dichloropropene         U         U         U         NL         NL           L'1,2-Trichloropropene         U         U         U         NL         NL           L'2-Trichloropropene         U         U         U         NL         NL           L'2-Trichloropropene         U         U         U         NL         NL           Dibromochinane         U         U         U         NL         NL           Dibromochinane         U         U         U         NL         NL           Dibromochinane         U         U         U         NL         NL           Sygnen         U   | 1,1,1-I richloroethane         | U         | U<br>11       | U              | NL                  |
| Calculation         C         C         C         C         NL           Senzene         U         U         U         U         NL           Benzene         U         U         U         U         NL           Benzene         U         U         U         U         NL           Tablorderbane         U         U         U         NL           12-Decisionsprease         U         U         U         NL           4-Mathylo-zentanone         U         U         U         NL           12-Decisionsprease         U         U         U         NL           12-Deconcha  | Carbon tetrachloride           | 11        | 11            | U              | NL                  |
| Dense         U         U         U         U         U         NL           Tichborehnen         U         U         U         NL         NL           12:Debinogroppen         U         U         U         NL         NL           Brondshikhowshame         U         U         U         NL         NL           Semodishikowshame         U         U         U         NL         NL           Adwity-2-pentanone         U         U         U         NL         NL           13:Debinogroppene         U         U         U         NL         NL           11:Debinomethane         U         U         U         NL         NL           Debinomethane         U         U         U         NL         NL           Debinomethane         U         U   | 1 2-Dichloroethane             | Ŭ         | Ŭ ·           | Ŭ              | NL                  |
| Tichtorgerpane         U         U         U         U         U         U         U         U         NL           Bromadichloronethane         U         U         U         U         NL         NL           Gentalichloronethane         U         U         U         NL         NL           Gentalichloropropene         U         U         U         NL           Trachtoropropene         U         U         U         NL           1,12-Trichlorosthane         U         U         U         NL           2-bitorostorosthane         U         U         U         NL           2-bitorostorosthane         U         U         U         NL           Envisonant         U         U         U         NL           Styrene         U         U         U         NL           Styrene         U </td <td>Benzene</td> <td>Ŭ</td> <td>Ŭ</td> <td>U</td> <td>NL</td>  | Benzene                        | Ŭ         | Ŭ             | U              | NL                  |
| 1.2-Dichloropropane         U         U         U         U         U         NL           Bromdichloropropene         U         U         U         U         NL           cii:1.3-Dichloropropene         U         U         U         NL           Toluene         U         U         U         NL           Toluene         U         U         U         NL           1.2-Dichloropropene         U         U         U         NL           1.2-Trichloropropene         U         U         U         NL           1.2-Dichloropropene         U         U         U         NL           1.2-Trichloroptane         U         U         U         NL           1.2-Dichloroptane         U         U         U         NL           2-Hostanne         U         U         U         NL           Dibronochloromethane         U         U         U         NL <t< td=""><td>Trichloroethene</td><td>Ŭ</td><td>U</td><td>U</td><td>10</td></t<>   | Trichloroethene                | Ŭ         | U             | U              | 10                  |
| Bromodichioromethane         U         U         U         U         NL           cis1-3.Dichtoropropene         U         U         U         NL           trans-1.3-Dichtoropropene         U         U         U         NL           trans-1.3-Dichtoropropene         U         U         U         NL           1.2-Trichtoromethane         U         U         U         NL           1.3-Dichtoropropane         U         U         U         NL           1.3-Dichtoropropane         U         U         U         NL           1.3-Dichtoropropane         U         U         U         NL           1.2-Trichtoroethane         U         U         U         NL           2-Hexanone         U         U         U         NL           1.1.2-Tetachtoroethane         U         U         U         NL           1.1.2-Tetachtoroethane         U         U         U         NL           2-Hexanone         U         U         U         NL           1.1.2-Tetachtoroethane         U         U         NL         NL           2-Horothoroethane         U         U         U         NL           1.   | 1,2-Dichloropropane            | U         | U             | U              | NL                  |
| Cis-13-Dichloropropene         U         U         U         U         NL           Toluene         U         U         U         NL           Toluene         U         U         U         NL           Toluene         U         U         U         NL           Tash 13-Dichloropropene         U         U         U         NL           13-Dichloropropane         U         U         U         NL           Tetrachloroethane         U         U         U         NL           Dibromochloromethane         U         U         U         NL           Choroberzane         U         U         U         NL           Styrene         U         U         U         NL           Bromoberzane         U         U         U         NL           11,2.2-Tetrachloroethane         U         U         U         NL           12,3-Trinchloropropane         U <td< td=""><td>Bromodichloromethane</td><td>U</td><td>U</td><td>U</td><td>NL NI</td></td<>  | Bromodichloromethane           | U         | U             | U              | NL NI               |
| 4-Methyl-2pentanone         U         U         U         U         U         NL           trans-1,3-Dichloropropene         U         U         U         U         NL           1,3-Dichloropropane         U         U         U         NL           1,2-Dichoroperthene         U         U         U         NL           1,2-Dictromethane         U         U         U         NL           1,1,2-Tetrachlorophane         U         U         U         NL           1,1,2-Tetrachlorophane         U         U         U         NL           Ethylberzene         U         U         U         NL           Styrene         U         U         U         NL           Bromoform         U         U         U         NL           1,1,2-Zetrachlorophane         U         U         NL         NL           1,2,2-Tetrachlorophane         U         U         NL         NL  | cis-1,3-Dichloropropene        | U         | Ü             | U              | I INL<br>NI         |
| Ioluene         U         U         U         U         U         U         U         U         U         U         U         NL           1,1.2-Trichloroethane         U         U         U         U         U         NL         NL           1,3-Dichloropopane         U         U         U         U         NL         At           2-Hexanone         U         U         U         U         NL           Dibromochloromethane         U         U         U         NL         NL           1.2-Dibromochlane         U         U         U         NL         NL           Ethylbenzene         U         U         U         U         NL           Ethylbenzene         U         U         U         NL         NL           Ethylbenzene         U         U   | 4-Methyl-2-pentanone           | U         | · U           | U              |                     |
| Value 1, S-DCI NUMOPOPER         U         U         U         U         U         NL           1,3-DCI NUMOPORANE         U         U         U         U         NL           1,3-DCI NUMOPORANE         U         U         U         NL           2-Hexanone         U         U         U         NL           Dibromochiaromethane         U         U         U         NL           1,2-Dibromochiaromethane         U         U         U         NL           Chorobanzene         U         U         U         NL           Chorobanzene         U         U         U         NL           Ethylibenzene         U         U         U         NL           Ethylibenzene         U         U         U         NL           Styrene         U         U         U         NL           Bromoform         U         U         U         NL           Isopropylibenzene         U         U         U         NL           1,2.2-Tetrachoroethane         U         U         U         NL           12.2-Totrachoroethane         U         U         U         NL           12.2-Totrachoroe   | I oluene                       | U U       | 0             | U U            | NL NL               |
| I. J. Finantion         U         U         U         U         U         I.           1. J. Dichloropropane         U         U         U         U         H.           Tetrachlorosthere         U         U         U         NL         NL           Dibromochloromethane         U         U         U         NL         NL           Dibromochlarosethane         U         U         U         NL         NL           1.1,1,2-Tetrachloroethane         U         U         U         NL         NL           Ethylsenzene         U         U         U         NL         NL           Styrene         U         U         U         NL         Stringer           Bromoform         U         U         U         NL         NL           Isopropybenzene         U         U         U         NL         NL           Isopropybenzene         U         U         U         NL         NL           1,2,3-Trichloroptopane         U         U         U         NL         NL           1,2,3-Trichloroptopane         U         U         U         NL         NL           1,2,3-Trinhothyblenzene         <   | 1 1 2-Trichloroethane          | 0<br>11   | 0<br>11       | Ű              | NL                  |
| Tetrachlorophene         U         U         U         U         U         U         U         U         U         U         U         U         U         NL           2Hexanone         U         U         U         U         U         NL         NL           Dibromochhormethane         U         U         U         U         NL         NL           Chlorobenzene         U         U         U         U         NL         NL           Chlorobenzene         U         U         U         NL         NL           Styrane         U         U         U         NL         Strachlorochhane         NL           Styrane         U         U         U         U         NL         Strachlorochhane         NL           Isornoform         U         U         U         U         NL         NL           Isorophylenzene         U         U         U         NL         NL         Strachlorochane         NL         NL         Strachloro  | 1.3-Dichloropropane            | ŭ         | Ŭ             | Ŭ              | NL                  |
| 2-Hearone         U         U         U         U         NL           Dibronchloromethane         U         U         U         NL           2-Dibroncethane         U         U         U         NL           Chlorobenzene         U         U         U         NL           Chlorobenzene         U         U         U         NL           Chlorobenzene         U         U         U         NL           Stylene (lotal)         U         U         U         NL           Stylene (lotal)         U         U         U         NL           Bromoform         U         U         U         NL           Bromoform         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Stromobenzene         U         U         U         NL           1,2,3-Tichloropropane         U         U         U         NL           2.Chlorotoluene         U         U         U         NL           1,3,3-Timethylbenzene         U         U         NL         NL           1,2.4-Timethylbenzene         U         U   | Tetrachloroethene              | Ŭ         | Ŭ             | U              | 4                   |
| Dibronchloromethane         U         U         U         U         NL           1,2-Dibronoethane         U         U         U         NL           Chorobenzene         U         U         U         NL           Chorobenzene         U         U         U         NL           Ethylbenzene         U         U         U         NL           Styrene         U         U         U         NL           Bromoform         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Bromobenzene         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Isoprophylbenzene         U         U         U         NL           Isoprophylbenzene         U         U         U         NL           Iz2-3-Tirchloropropane         U         U         U         NL           Iz3-5-Timethylbenzene         U         U         U         NL           Iz3-5-Timethylbenzene         U         U         U         NL           Iz3-5-Timethylbenzene         U         U  | 2-Hexanone                     | U         | U             | U              | NL                  |
| 1,2-Ditromoethane         U         U         U         U         NL           Chlorobenzene         U         U         U         NL           L1,1,2-Tetrachloroethane         U         U         U         NL           Ethylbenzene         U         U         U         NL           Ethylbenzene         U         U         U         NL           Styrene         U         U         U         NL           Bromoform         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Isopropylbenzene         U         U         U         NL           I.2,3-Trichloropropane         U         U         U         NL           I.2,3-Trinhotylbenzene         U         U         U         NL           I.3,5-Trimethylbenzene         U         U         U         NL           I.3,5-Trinhotypenzene         U         U         U         NL           I.4-Sopropyltoluene         U         U         NL         NL           I.4-Sopropyltoluene         U         U         NL         NL           I.4-Dichlorobenzene         U <td>Dibromochloromethane</td> <td>U</td> <td>U</td> <td>U</td> <td>NL NI</td>   | Dibromochloromethane           | U         | U             | U              | NL NI               |
| Chlorobenzene         U         U         U         U         NL           L1,1,2-Tetrachloroethane         U         U         U         NL           Ethylbenzene         U         U         U         NL           Stytene         U         U         U         S**           Bromoform         U         U         U         NL           Bromoform         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Izy-3-Trichloroethane         U         U         U         NL           Izy-3-Trichloropthane         U         U         U         NL           Izy-3-Trichloroptonene         U         U         U         NL           Izy-3-Trichloroptonene         U         U         U         NL           Izy-3-Trichloroptonene         U         U         U         NL           Izy-3-Trichloroptonzene         U         U         U         NL           Izy-1-Trimethylbenzene         U         U         U         NL           Izy-1-Trimethylbenzene   | 1,2-Dibromoethane              | U         | U U           | U              | I NL                |
| 1,1,2-1 etrachoroethane     U     U     U     NL       Ethylbenzene     U     U     U     Stress       Styrene     U     U     U     NL       Styrene     U     U     U     NL       Bromoform     U     U     U     NL       Isopropylbenzene     U     U     U     NL       Isopropylbenzene     U     U     U     NL       Bromoform     U     U     U     NL       Isopropylbenzene     U     U     U     NL       Bromobenzene     U     U     U     NL       Propylbenzene     U     U     U     NL       1,2,3-Trichloropropane     U     U     U     NL       -Propylbenzene     U     U     U     NL       2-Chlorotoluene     U     U     U     NL       -Chlorotoluene     U     U     U     NL       tert-Butylbenzene     U     U     U     NL       sc-Butylbenzene     U     U     U     NL       1,2-Dichlorobenzene     U     U     U     NL       1,4-Dichlorobenzene     U     U     NL     NL       1,4-Dichlorobenzene     U  | Chlorobenzene                  | U         | U             | U              |                     |
| EntryBenzene         O         O         U         U         U         U         Stress           Styrene         U         U         U         U         NL           Bromoform         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Bromoberzene         U         U         U         NL           1,2,3-Trichloropropane         U         U         U         NL           1,2,3-Trichloropropane         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           1,2,4-Trimethylbenzene         U         U         U         NL           4-lsopropyltoluene         U         U         U         NL           1,4-bichlorobenzene         U         U         U         NL           1,2-bichlorobenzene         U         U         U         NL  | 1,1,1,2-i etrachioroethane     |           | 0             | 0<br>11        | NL                  |
| Application         D         D         D         U         U         U         U         U         NL           Bromoform         U         U         U         U         NL         NL           Isopropylbenzene         U         U         U         U         NL           J.1,2,2-Tetrachloroethane         U         U         U         NL           Bromobenzene         U         U         U         NL           Propylbenzene         U         U         U         NL           -Propylbenzene         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           1,2,4-Trimethylbenzene         U         U         NL         NL           2,4-Chlorotoluene         U         U         NL         NL           1,2,4-Trimethylbenzene         U         U         NL         NL           1,2,4-Trimethylbenzene         U         U         NL         NL           1,3-Dichlorobenzene         U <td>Ethylbenzene<br/>Xvlene (total)</td> <td>U U</td> <td>ŭ</td> <td>ŭ</td> <td>5**</td>  | Ethylbenzene<br>Xvlene (total) | U U       | ŭ             | ŭ              | 5**                 |
| Bromsorm         U         U         U         U         NL           Isopropylbenzene         U         U         U         NL           Isopropylbenzene         U         U         U         NL           1,1,2,2-Tetrachloroethane         U         U         U         NL           Bromsoform         U         U         U         NL           Bromsoform         U         U         U         NL           1,2,3-Trichloropropane         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           1,3.5-Trimethylbenzene         U         U         U         NL           1,3-Lorotoluene         U         U         U         NL           1,2-A-Trimethylbenzene         U         U         NL         NL           1,2-A-Trimethylbenzene         U         U         NL         NL           1,2-A-Trimethylbenzene         U         U         NL         NL           1,2-A-Trimethylbenzene   | Styrene                        | ŭ         | Ŭ             | Ŭ              | NL                  |
| Isopropylbenzene         U         U         U         U         NL           1,1,2,2-Tetrachloropthane         U         U         U         NL         NL           Bromobenzene         U         U         U         NL         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           4-Chlorotoluene         U         U         U         NL           1,2,4-Trimethylbenzene         U         U         U         NL           4-Sopropyltolene         U         U         U         NL           1,3-Dichlorobenzene         U         U         U         NL           1,3-Dichlorobenzene         U         U         NL         NL           1,3-Dichlorobenzene         U         U         NL         NL           1,2-Dichlorobenzene         U         U         NL         NL  | Bromoform                      | Ū         | Ú Ú           | U              | NL                  |
| 1,1,2,2-Tetrachloropethane       U       U       U       U       NL         Bromobenzene       U       U       U       NL       NL         Bromobenzene       U       U       U       NL       NL         1,2,3-Trichloropropane       U       U       U       NL         n-Propylbenzene       U       U       U       NL         2-Chlorotoluene       U       U       U       NL         4-Chlorotoluene       U       U       U       NL         tert-Butylbenzene       U       U       U       NL         4-Chlorotoluene       U       U       NL       NL         tert-Butylbenzene       U       U       NL       NL         tert-Butylbenzene       U       U       NL       NL         1,2-Artrikehzenzene       U       U       NL       NL         1,3-Dichlorobenzene       U       U       NL       NL         1,2-Dichlorobenzene   | Isopropylbenzene               | U         | U U           | U              | NL                  |
| Bromobenzene         U         U         U         U         NL           1,2,3-Trichloropropane         U         U         U         NL           n-Propylbenzene         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           2-Chlorotoluene         U         U         U         NL           1,3,5-Trimethylbenzene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           1,3,5-Trimethylbenzene         U         U         U         NL           4-Chlorotoluene         U         U         U         NL           1,2,4-Trimethylbenzene         U         U         NL         NL           sec-Butylbenzene         U         U         U         NL           sec-Butylbenzene         U         U         U         NL           1,3-Dichlorobenzene         U         U         NL         NL           1,4-Dichlorobenzene         U         U         NL         NL           1,2-Dichlorobenzene         U         U         NL         NL           1,2-Dichlorobenzene  | 1,1,2,2-Tetrachloroethane      | U         | U             | U              | NL                  |
| 1,2,3-1 richloropropane     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       4-Chlorotoluene     U     U     U     NL       4-chlorotoluene     U     U     U     NL       tert-Butylbenzene     U     U     U     NL       1,2,4-Trimethylbenzene     U     U     NL       sec-Butylbenzene     U     U     NL       sec-Butylbenzene     U     U     NL       1,3-Dichlorobenzene     U     U     NL       1,4-Dichlorobenzene     U     U     NL       1,4-Dichlorobenzene     U     U     NL       1,4-Dichlorobenzene     U     U     NL       1,2-Dichlorobenzene     U     U     NL       1,2-Dichlorobenzene     U     U     NL       1,2-Dichlorobenzene     U     U     NL       1,2-Dichlorobenzene     U     U     NL       1,2,4-Trichlorobenzene     U     U     NL       1,2,3-Trichlorobenzene     U  | Bromobenzene                   | l V.      | I             | U U            |                     |
| n-rropyloenzene         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           +Isopropyltoluene         U         U         U         NL           4-Isopropyltoluene         U         U         NL         NL           1,3-Dichlorobenzene         U         U         U         NL           1,3-Dichlorobenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         NL         NL           1,2,4-Trichlorobenzene  | 1,2,3-Trichloropropane         |           |               |                |                     |
| L2-child volume         U         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           1,3-Dichlorobenzene         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           1,2-Dichlorobenzene         U         U         NL         NL           1,2-Dichlorobenzene         U         U         NL         NL           1,2-Dichlorobenzene         U         U         NL         NL           1,2,3-Trichlor   | n-Propylbenzene                |           |               |                |                     |
| John Million Bond         U         U         U         U         U         NL           4-Chlorobuene         U         U         U         NL         NL           1,2,4-Trimethylbenzene         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           1,4-Dichlorobenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         U         NL           1,2-Diblorobenzene         U         U         U         NL           1,2-Dibromo-3-chloropropane         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         NL         <   | 1 3 5-Trimethylbenzene         |           |               | U U            | NL                  |
| Lett-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           1,3-Dichlorobenzene         U         U         U         NL           1,4-Dichlorobenzene         U         U         U         NL           1,4-Dichlorobenzene         U         U         U         NL           1,4-Dichlorobenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         U         NL           1,2-Dibloron-3-chloropropane         U         U         U         NL           1,2-Dibromo-3-chloropropane         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         NL         NL           1,  | 4-Chlorotoluene                | U U       | l ŭ           | Ū              | NL                  |
| 1,2,4-Trimethylbenzene         U         U         U         NL           sec-Butylbenzene         U         U         U         NL           4-Isopropyltoluene         U         U         U         NL           1,a-Dichlorobenzene         U         U         U         NL           1,4-Dichlorobenzene         U         U         U         NL           1,4-Dichlorobenzene         U         U         U         NL           1,4-Dichlorobenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         U         NL           1,2-Dichlorobenzene         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           1,2,4-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         NL         NL           1,2,3-  | tert-Butylbenzene              | Ŭ         | Ŭ             | Ū              | NL                  |
| sec-Butylbenzene         U         U         U         NL           4-Isopropyltoluene         U         U         U         NL           1,3-Dichlorobenzene         U         U         U         NL           1,3-Dichlorobenzene         U         U         U         NL           1,4-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-Dichlorobenzene         U         U         U         NL           1,2-Dibloron-3-chloropropane         U         U         U         NL           1,2-A-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         NL         NL           1,2,3-Trichlorobenzene         U         U         NL         NL           Total VOCs  | 1,2,4-Trimethylbenzene         | Ū         | U U           | U U            | NL.                 |
| 4-Isopropyltoluene         U         U         U         NL           1,3-Dichlorobenzene         U         U         U         NL           1,4-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-Dichlorobenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         U         NL           1,2-Diblorono-3-chloropropane         U         U         U         NL           1,2-A-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         NL         NL           Naphthalene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           7otal VOCs         U         U         U         NL   | sec-Butylbenzene               | 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-Dichlorobenzene         U         U         U         NL           1,2-Diblorob-3-chloropropane         U         U         U         NL           1,2-Dibrono-3-chloropropane         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           Naphthalene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           7otal VOCs         U         U         U         NL  | 4-isopropyltoluene             | U         | U             | U              | NL<br>NU            |
| 1,4-Dichlorobenzene         U         U         U         NL           n-Butylbenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         U         NL           1,2-Diblorobenzene         U         U         U         NL           1,2-Diblorobenzene         U         U         U         NL           1,2-Diblorobenzene         U         U         U         NL           1,2-A-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         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         U         U   | 1,3-Dichlorobenzene            | U         | U             |                | ÍNL.<br>NH          |
| In-Butyloenzene         U         U         U         NL           1,2-Dichlorobenzene         U         U         U         NL           1,2-Dibrono-3-chloropropane         U         U         U         NL           1,2-Dibrono-3-chloropropane         U         U         U         NL           1,2-A-Trichlorobenzene         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           1,2,3-Trichlorobenzene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           NOTES:         ABBREVIATIONS         QUALIFIERS:         E   | 1,4-Dichlorobenzene            |           |               |                | NI                  |
| 1,2-Diction of lizence         0         0         0         0         NL           1,2-Dibrono-3-chloropropane         U         U         U         NL           1,2,4-Trichlorobenzene         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           1,2,3-Trichlorobenzene         U         U         U         NL           NOTES:         ABBREVIATIONS         QUALIFIERS:  | In-Butylbenzene                |           |               |                | NL                  |
| 1,2,4-Trichlorobenzene         U         U         U         NL           1,2,4-Trichlorobenzene         U         U         NL           Hexachlorobutadiene         U         U         U         NL           Naphthalene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           1,2,3-Trichlorobenzene         U         U         U         NL           NOTES:         ABBREVIATIONS         QUALIFIERS:   | 1,2-Dichlorobenzene            |           | 11            | 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         U         NL           NOTES:         ABBREVIATIONS         QUALIFIERS:   | 1 2 4-Trichlorobenzene         | U U       | U U           | l ŭ            | NL.                 |
| Naphthalene         U         U         NL           1,2,3-Trichlorobenzene         U         U         NL           Total VOCs         U         U         U           NOTES:         ABBREVIATIONS         QUALIFIERS:   | Hexachlorobutadiene            | Ŭ         | Ŭ             | Ŭ              | NL                  |
| 1,2,3-Trichlorobenzene         U         U         NL           Total VOCs         U         U         U           NOTES:         ABBREVIATIONS         QUALIFIERS:  | Naphthalene                    | Ū         | Ū             | U              | NL                  |
| Total VOCs     U     U       NOTES:     ABBREVIATIONS     QUALIFIERS:  | 1,2,3-Trichlorobenzene         | U         | U             | U              | NL                  |
| NOTES: ABBREVIATIONS QUALIFIERS:   | Total VOCs                     | U         | U             | l <u>    U</u> |                     |
|  | NOTES:                         |           | ABBREVIATIONS | QUALIFIER      | <u>6:</u>           |

Concentration exceeds NYSDEC Site Specific ug/L = Micrograms per liter Effluent Limitation NL - No limit specified

U: Compound analyzed for but not detected

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

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

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

| SAMPLE ID           | COMB EFF  |                     |
|---------------------|-----------|---------------------|
| SAMPLE TYPE         | WATER     | NYSDEC              |
| DATE OF COLLECTION  | 9/12/2008 | Site Specific       |
| COLLECTED BY        | D&B       | Effluent Limitation |
| 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:

### **QUALIFIERS:**

B: Concentration above IDL but less than CRDL.

exceeds NYSDEC U: Compound analyzed for but not detected.

E: Compound concentration exceeds instrument calibration

### exceeds NYSDEC Site Specific Effluent Limitation ABBREVIATIONS:

Concentration

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 <sup>3</sup> )   | (ug/m <sup>3</sup> ) | (ug/m <sup>3</sup> ) |
| VOCs                      |                        |                      |                      |
| 1,1,1-Trichloroethane     | U                      | U                    | 13 J                 |
| 1,1,2,2-Tetrachloroethane | U                      | U                    | U                    |
| 1,1,2-Trichloroethane     | U                      | U                    | 0                    |
| 1,1-Dichloroethane        | U                      | U                    | 16 J                 |
| 1,1-Dichloroethene        | U                      | U                    | 0                    |
| 1,2,4-Trichlorobenzene    | U                      | U                    | 0                    |
| 1,2,4-Trimethylbenzene    | U                      | U                    | 0                    |
| 1,2-Dibromoethane         | U                      | U                    | U .                  |
| 1,2-Dichlorobenzene       | U                      | 0                    | 0                    |
|                           | 0                      | 0                    | ŭ                    |
| 1,2-Dicnioropropane       | 0                      | 0                    | Ŭ                    |
| 1,3,5-1 nmethylbenzene    | 0                      | 0                    | Ŭ                    |
| 1.3 Dichlorobenzena       |                        |                      | Ŭ                    |
| 1 4 Dichlorobenzene       | U U                    | u                    | Ŭ                    |
| 1 4-Dioxane               | u l                    | ŭ                    | Ū                    |
| 2.2.4-Trimethylpentane    | ŭ l                    | Ŭ I                  | Ŭ                    |
| 4-Ethyltoluene            | ŭ                      | Ū                    | U                    |
| Acetone                   | 19 J                   | 31                   | 15 J                 |
| Allyl chloride            | Ŭ                      | U                    | U                    |
| Benzene                   | Ū                      | U                    | U                    |
| Benzyl chloride           | Ŭ                      | υ                    | U                    |
| Bromodichloromethane      | U                      | U                    | U                    |
| Bromoform                 | U                      | U                    | U                    |
| Bromomethane              | U                      | U                    | U                    |
| Carbon dissulfide         | 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<br>                | U                    |
| Cyclohexane               | U I                    | U<br>                | U                    |
| Dibromochloromethane      | U                      | U.                   | U                    |
| Ethyl acetate             | U                      | U                    |                      |
| Linyibenzene              | U                      | U II                 | 5.0 J<br>H           |
| Freen 11                  | U                      | U                    | 11                   |
| Freen 113                 | U                      | 0                    | о<br>П               |
| Freen 114                 | U                      | 621                  |                      |
| Hentene                   | U<br>11                | 0.2 J<br>H           | U U                  |
| Heyeshlore 1.2 hutodiane  |                        | о<br>П               | l ŭ                  |
| Hevene                    | U U                    | ŭ                    | Ŭ                    |
| Isopropyl alcohol         | U U                    | Ŭ                    | Ū                    |
| m&n-Xvlene                | ŭ                      | Ű                    | 10 J                 |
| Methyl Butyl Ketone       | Ŭ                      | Ŭ                    | U                    |
| Methyl Ethyl Ketone       | Ŭ                      | Ŭ                    | U                    |
| Methyl Isobutyl Ketone    | Ŭ                      | Ū                    | U U                  |
| Methyl tert-butyl ether   | Ū                      | Ū                    | 29                   |
| Methylene chloride        | Ŭ                      | 8.6 J                | 59                   |
| o-Xylene                  | U                      | U                    | U U                  |
| Propylene                 | U                      | . U                  | U U                  |
| Styrene                   | U                      | U                    | U U                  |
| Tetrachloroethylene       | 1,300 D <sup>(1)</sup> | 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                    |                      |
| Trichloroethene           | 210                    | 130                  | 190                  |
| Vinyl acetate             |                        | U U                  |                      |
| Vinyl bromide             |                        | U U                  |                      |
| Vinyl chloride            | U                      | <u> </u>             | 5.4 J                |
| Total VOCs                | 1,758                  | 1,045                | 1,280                |

NOTES:

ABBREVIATIONS:

meter

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

**QUALIFIERS:** 

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

D: Result reported from diluted analysis.

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ug/m<sup>3</sup> - Micrograms per cubic

### 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 <sup>3</sup> ) | (ug/m <sup>3</sup> ) | (ug/m <sup>3</sup> ) |
| VOCs                            |                      |                      |                      |
| 1,1,1-Trichloroethane           | U                    | U                    | U                    |
| 1,1,2,2-Tetrachloroethane       | U                    | U                    | U                    |
| 1,1,2-Trichloroethane           | U                    | U                    | U<br>                |
| 1,1-Dichloroethane              | U                    | U                    | U                    |
| 1,1-Dichloroethene              | U                    | U                    | U                    |
| 1,2,4-1 ricnlorobenzene         | U                    |                      | U                    |
| 1,2,4-1 rimethylbenzene         | U                    | 21 J                 | U                    |
|                                 | U                    | U                    | U<br>II              |
| 1.2-Dichloroothano              | U                    | U                    | 0                    |
| 1 2-Dichloropropage             |                      |                      | Ŭ                    |
| 1 3 5-Trimethylbenzene          | u I                  | 65.1                 | ŭ                    |
| 1.3-Butadiene                   | u I                  | U U                  | Ū                    |
| 1.3-Dichlorobenzene             | u I                  | Ŭ                    | Ū                    |
| 1,4-Dichlorobenzene             | Ŭ l                  | Ū l                  | U                    |
| 1,4-Dioxane                     | Ū l                  | u l                  | U                    |
| 2,2,4-Trimethylpentane          | U I                  | υl                   | U                    |
| 4-Ethyltoluene                  | υl                   | 6.8 J                | U                    |
| Acetone                         | 160                  | 33                   | 20 J                 |
| Allyl chloride                  | U                    | U I                  | U                    |
| Benzene                         | U                    | 9.3 J                | U                    |
| Benzyl chloride                 | U                    | U                    | U<br>                |
| Bromodichloromethane            | U I                  | U. I                 | U                    |
| Bromotorm                       | U I                  | U                    | U                    |
|                                 | U                    | U                    | U                    |
| Carbon dissuinde                |                      | U 11                 | U                    |
| Chlorobenzono                   | U<br>11              |                      | U U                  |
| Chloroethane                    | U<br>II              |                      |                      |
| Chloroform                      | U<br>11              |                      | . บ                  |
| Chloromethane                   |                      | u l                  | Ŭ                    |
| cis-1,2-Dichloroethene          | 110                  | 75                   | 210                  |
| cis-1,3-Dichloropropene         | U I                  | U                    | U                    |
| Cyclohexane                     | Ū l                  | Ū                    | U                    |
| Dibromochloromethane            | u l                  | U I                  | U                    |
| Ethyl acetate                   | 1 U                  | U                    | U                    |
| Ethylbenzene                    | 6.9 J                | 15 J                 | U                    |
| Freon 11                        | 1 U                  | 1 U                  | U                    |
| Freon 113                       | U                    | U I                  | U                    |
| Freon 114                       | U                    | U U                  | U U                  |
| Freon 12                        | U                    | U                    | U U                  |
|                                 | U                    | U U                  | U                    |
| Hexachioro-1,3-butadiene        | U                    | U                    |                      |
| nexane                          |                      | U                    | П                    |
| nsopropyr alconol<br>m&n-Xylene | U<br>1 AS            | 73 U                 | U U                  |
| Methyl Butyl Ketone             |                      | 13                   | l ŭ                  |
| Methyl Ethyl Ketone             | ŭ l                  | ŭ                    | Ŭ                    |
| Methyl Isobutyl Ketone          | ŭ                    | Ŭ                    | Ū                    |
| Methyl tert-butyl ether         | Ŭ                    | Ū                    | U                    |
| Methylene chloride              | 150                  | 26                   | U                    |
| o-Xylene                        | 14 J                 | 29                   | U                    |
| Propylene                       | U                    | U                    | U                    |
| Styrene                         | U                    | U                    |                      |
| Tetrachloroethylene             | 25 J                 | U                    | 15 J                 |
| l etrahydrofuran                |                      | <b>U</b>             |                      |
| trans 1.2 Dichloresthere        |                      | 32                   |                      |
| trans-1.2-Dichloropropens       |                      |                      |                      |
| Trichloroethene                 |                      | 10.1                 | 12 J                 |
| Vinvl acetate                   | u u                  | ů U                  | U U                  |
| Vinvl bromide                   | Ŭ Ŭ                  | Ŭ                    | Ū                    |
| Vinyl chloride                  | Ū Ū                  | j Ū                  | 5.4 J                |
| Total VOCs                      | 502                  | 337                  | 262                  |

ABBREVIATIONS:

**QUALIFIERS:** 

ug/m<sup>3</sup> - Micrograms per cubic meter

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

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### 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            |
|                             | וויז 14/2000<br>חגם |                      | D&B                  |
|                             |                     | (ua/m <sup>3</sup> ) | (ug/m <sup>3</sup> ) |
|                             | (ug/m)              | (ug/m)               | (again )             |
| 1 1 1 Trichlorocthono       |                     | 11                   | 11                   |
| 1, 1, 2, 2 Totrophereothere | U                   |                      | ů<br>li              |
|                             | U                   |                      | U                    |
|                             | U                   |                      | U 1                  |
|                             | U                   | U                    | 0                    |
|                             | U                   | U                    | U                    |
| 1,2,4-1 richlorobenzene     | U                   | <u>.</u>             | U<br>40 1            |
| 1,2,4- I rimethylbenzene    | U                   | <u>.</u>             | 13 J                 |
| 1,2-Dibromoethane           | U I                 | U I                  | U<br>                |
| 1,2-Dichlorobenzene         | U I                 | U                    | U<br>                |
| 1,2-Dichloroethane          | U                   | U                    | U<br>                |
| 1,2-Dichloropropane         | U                   | U                    | U<br>                |
| 1,3,5-Trimethylbenzene      | U                   | U                    | U                    |
| 1,3-Butadiene               | U                   | U                    | U                    |
| 1,3-Dichlorobenzene         | U                   | U                    | U                    |
| 1,4-Dichlorobenzene         | u l                 | U                    | U                    |
| 1,4-Dioxane                 | u İ                 | U                    | U                    |
| 2,2,4-Trimethylpentane      | u l                 | u l                  | U                    |
| 4-Ethyltoluene              | υl                  | u l                  | U                    |
| Acetone                     | 24                  | 17 J                 | 5.9 J                |
| Allyl chloride              | ii l                | , U                  | U                    |
| Benzene                     | ŭ                   | Ŭ                    | 4.0 J                |
| Benzyl chloride             | ŭ l                 | ŭ                    | U                    |
| Bromodichloromethano        | U U                 | i l                  | ū                    |
| Bromoform                   |                     | i l                  | -                    |
| Bromomethane                |                     | ы с<br>11 — 1        | -<br>U               |
| Corbon discutize            | U<br>11             | 20 I                 |                      |
| Carbon tatrachlarida        | 0                   | 3.0 J<br>11          | 11                   |
|                             | U I                 |                      |                      |
|                             | <u>.</u>            |                      | U<br>11              |
| Chioroethane                | U                   | U .                  | U                    |
| Chloroform                  | U                   | U I                  | U                    |
| Chloromethane               | U                   | U I                  | U                    |
| cis-1,2-Dichloroethene      | 120                 | 95                   | 150                  |
| cis-1,3-Dichloropropene     | U                   | U                    | U                    |
| Cyclohexane                 | U                   | U U                  | U                    |
| Dibromochloromethane        | U                   | U                    | U                    |
| Ethyl acetate               | U                   | U                    | U                    |
| Ethylbenzene                | U                   | U .                  | U                    |
| Freon 11                    | U                   | Į U I                | U                    |
| Freon 113                   | U                   | į u I                | U                    |
| Freon 114                   | U                   | l u l                | U                    |
| Freon 12                    | Ŭ                   | U U                  | U U                  |
| Heptane                     | Ū.                  | Ū                    | U                    |
| Hexachloro-1.3-butadiene    | ŭ                   | U U                  | U                    |
| Hexane                      | й<br>П              | 8.4 J                | Ū                    |
| Isopropyl alcobol           | о<br>П              | u                    | Ū                    |
| m&n_Xylene                  | 14 1                | 12 1                 | l ŭ                  |
| Methyl Butyl Ketene         | i+ J<br>il          | 12 0                 | ŭ                    |
| Mothyl Ethyl Kotono         | U U                 |                      | ŭ                    |
| Mothyl Joshutyl Ketone      | U U                 | 0                    |                      |
| Nothyl tort byth a that     | U                   |                      | U U                  |
|                             | U                   |                      |                      |
|                             | 43                  | 1.3 J                |                      |
| o-Xylene                    | U<br>               | 6.5 J                |                      |
| Propylene                   | U                   |                      |                      |
| Styrene                     | U OF I              |                      | U<br>1 77 I          |
| l etrachioroethylene        | 25 J                | 34 J                 |                      |
| Tetranydrofuran             | U                   |                      |                      |
| Ioluene                     | U                   | 26                   |                      |
| trans-1,2-Dichloroethene    | U                   | U                    |                      |
| trans-1,3-Dichloropropene   | U                   |                      |                      |
| Irichloroethene             | U<br>               | 1.8 J                | L 0.C                |
| Vinyl acetate               | U                   | U U                  | U                    |
| Vinyl bromide               | U                   | l n                  | U                    |
| Vinyl chloride              | U                   | <u> </u>             | 6.1 J                |
| Total VOCs                  | 226                 | 218                  | <u> </u>             |

ABBREVIATIONS: ug/m<sup>3</sup> - Micrograms per cubic meter

QUALIFIERS:

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

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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

|                                       | Concentration | Flow Kate | Emission Rate | NYSDEC Required Ethuent Limits | Percentage of NYSUEC Permitted |
|---------------------------------------|---------------|-----------|---------------|--------------------------------|--------------------------------|
| Commund Detected (1)                  | ("ma)         | (ft³/min) | (lbs/hr)      | (lbs/hr)                       | Effluent Limits Detected       |
| Arethine                              | 24            | 1,320     | 1.2E-04       | NL                             | -                              |
| river 1 2 Dichlornathana              | 120           | 1.320     | 5.9E-04       | 3.0E-03                        | 19.8%                          |
|                                       | 14            | 1.320     | 6.9E-05       | 1.0E-03                        | 6.9%                           |
| 1. Otal Ayreria<br>Mothulana ahlarida | 43            | 1.320     | 2.16-04       | NL                             |                                |
| Tretrochlossethilane                  | 25            | 1.320     | 1.2E-04       | 7.0E-03                        | 1.8%                           |
|                                       | 226           | 1,320     | 1.1E-03       | 5.0E-01                        | 0.2%                           |
| 10(d) VOCS                            |               |           |               |                                |                                |

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

|                                    | Concentration        | Flow Rate              | Emission Rate | NYSDEC Required Effluent Limits | Percentage of NYSDEC Permitted |
|------------------------------------|----------------------|------------------------|---------------|---------------------------------|--------------------------------|
| Compound Detected (1)              | (na/m <sup>3</sup> ) | (ft <sup>3</sup> /min) | (Ibs/hr)      | (Ibs/hr)                        | Effluent Limits Detected       |
|                                    | 17                   | 1.320                  | 8.4E-05       | NL                              | 1                              |
| Accivite<br>Carbon Disutifiede     | 3.8                  | 1,320                  | 1.9E-05       | NL                              | <b>a</b> n                     |
| Calibori Disultade                 | 95                   | 1.320                  | 4.7E-04       | 3.0E-03                         | 15.7%                          |
|                                    | 8.4                  | 1.320                  | 4.2E-05       | NL                              |                                |
|                                    | 65                   | 1,320                  | 9.2E-05       | 1.0E-03                         | 9.2%                           |
| 10tel Ayterie<br>Mathulana ablanda | 73                   | 1,320                  | 3.6E-05       | N                               |                                |
| Totrochlomothyland                 | 34                   | 1.320                  | 1.7E-04       | 7.0E-03                         | 2.4%                           |
| Toliana                            | 26                   | 1,320                  | 1.3E-04       | NL                              |                                |
| Trichlomethane                     | 7.8                  | 1,320                  | 3.9E-05       | 6.0E-03                         | 0.6%                           |
| Trotal 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

|                         | Concentration         | Flow Rate              | Emission Rate | NYSDEC Required Effluent Limits | Percentage of NYSDEC Permitted          |
|-------------------------|-----------------------|------------------------|---------------|---------------------------------|---|
| Commented Patronad (1)  | (110/m <sup>3</sup> ) | (ft <sup>3</sup> /min) | (ibs/hr)      | (Ibs/hr)                        | Effluent Limits Detected                |
|                         | 13                    | 806                    | 3.9E-05       | NL                              |   |
|                         | σ <i>τ</i>            | 806                    | 1.8E-05       | NL                              | And |
| Acetorie                | A D                   | 806                    | 1.2E-05       | N                               | -                                       |
| Benzene                 | 150                   | 806                    | 4.5E-04       | 3.0E-03                         | 15.1%                                   |
| CIS-1, Z-UICHIOTOGUIENE | 27                    | 806                    | 8.2E-05       | 7.0E-03                         | 1.2%                                    |
|                         | æ 4                   | 806                    | 1.8E-05       | 6.0E-03                         | 0.3%                                    |
|                         | 81                    | 806                    | 1.8E-05       | 1.4E-02                         | 0.1%                                    |
|                         | 212                   | 806                    | 6.4E-04       | 5.0E-01                         | 0.1%                                    |
| 10181 VOOS              |                       |                        |               |                                 |   |

### 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/m<sup>3</sup> - Micrograms per cubic meter ft<sup>3</sup>/min - Cubic feet per minute Ibs/hr - Pounds per hour

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

|   |                        |                           | -                  |                       |               |                        |                          |                     |                        |
|---|------------------------|---------------------------|--------------------|-----------------------|---------------|------------------------|--------------------------|---------------------|------------------------|
| SAMPLE ID   | MW-101                 | MW-102                    | MW-103             | MW-104 <sup>(2)</sup> | MW-105        | MW-106 <sup>(1)</sup>  | MW-107                   | MW-108              | GROUNDWATER            |
| SAMPLE TYPE   | WATER                  | WATER                     | WATER              | WATER                 | WATER         | WATER                  | WATER                    | WATER<br>a/a/2008   | STANDARDS AND GUIDANCE |
| DATE OF COLLECTION                                  | 9/9/2008               | 9/9/2008                  | 9/9/2008<br>D&B    | 9/9/2008<br>D&R       | D&B           | D&B                    | D&B                      | D&B                 | VALUES                 |
| COLLECTED BY  | U&D<br>(Ug/L)          | UQ/L)                     | (ng/L)             | (ng/L)                | (ng/L)        | (ng/L)                 | (ng/L)                   | (nd/L)              | (ug/r.)                |
| VOCs  |                        |                           |                    |                       | -             |                        | -                        |                     | E GV                   |
| Dichlorodifluoromethane                             | ∍ :                    | ⊃ =                       | <b>&gt;</b> =      | > =                   |               |                        | >>                       | 2                   | . 1                    |
|   | 2                      | ) D                       | 15                 | D                     | 2             | 230 J                  | ⊃:                       | ∍:                  | 2 ST                   |
| Bromomethane  | ⊃:                     | <b>&gt;</b> :             | > =                | > =                   | <b>-</b> -    |                        |                          | 2 2                 | 551                    |
| Chloroethane<br>Trichlomfinoromethane               | 2                      | 20                        | > ⊃                | 00                    | . ⊃           | D                      | 5                        | 5                   | 5 ST                   |
| 1,1-Dichloroethene                                  |                        | ⊃:                        | ⊃:                 | 5                     | ⊃ =           | ⇒ =                    | <b>&gt;</b> =            | <b>&gt;</b> =       | 5 ST<br>50 GV          |
| Acetone   | > =                    | <b>&gt;</b> =             |                    |                       |               | , <b>-</b>             | ) <b>)</b>               | . ⊃                 | 1                      |
| countertaine<br>Carbon disulfide                    | > >                    | • ⊃                       | D                  | 5                     | ∍:            | э:                     | э:                       | ⊃ =                 | 60 GV<br>F ST          |
| Methylene chloride                                  | ⊃ :                    | > =                       | <b>-</b>           | ⇒ =                   |               |                        | > >                      | 0 0                 | 5ST                    |
| trans 1,∠-⊔icnioroetnene<br>Methvl-tert hutbd ether |                        | > <b>-</b>                |                    | • <b>⊃</b>            | D             | 2                      | 5                        | ∍:                  | 10 GV                  |
| 1,1-Dichloroethane                                  | Э                      | Э:                        | ⊃:                 | ⊃:                    | <b>&gt;</b> : | > =                    | ∍ =                      | <b>&gt;</b> =       | 100                    |
| Vinyl acetate                                       | ==                     | ∍=                        |                    |                       | > <b>-</b>    | >>                     | 5                        |                     | 50 GV                  |
| 2-butanone<br>cis-1 2-Dichlomethene                 | 2                      |                           | 65                 |                       | þ             | 6,200                  | 2.1 J                    | 2.5 J               | 5 ST                   |
| 2.2-Dichloropropane                                 | D                      | 5                         | 2                  | <b>D</b>              | ⊃:            | ⊃:                     |                          |                     | 100                    |
| Bromochloromethane                                  | n                      |                           | ⊃:                 | ⊃:                    | <b>-</b>      | > =                    | <b>-</b> =               | > =                 | 1301<br>7 ST           |
| Chloroform  | 2:                     |                           | <b>-</b> =         | 5 =                   | > =           |                        | 200                      | > ⊃                 | 5 ST                   |
| 1,1,1-Trichloroethane                               |                        | <b>&gt;</b> =             | > =                |                       | > ⊃           | ) )<br>)               |                          | Ð                   | 5 ST                   |
| 1,1-Uichioropropene                                 |                        | > =                       | > >                | > ⊃                   | 0             | 5                      | D                        | Þ                   | 5 ST                   |
| Carbon tetrachionde                                 |                        | 2                         |                    | , <b>–</b>            |               | 2                      | <b>.</b>                 | ∍:                  | 0.6 ST                 |
| I,z-Ukilovoettarie<br>Benzene                       | 0                      | • ⊃                       | ņ                  | D                     | <u> </u>      |                        | ∩-çë                     |                     | 151                    |
| Trichloroethene                                     | 1.3 J                  | 5                         | 6.4                | 38 J                  | 2.9 J         | 610                    | 2.8 J                    | L 0.1               | 1001                   |
| 1,2-Dichloropropane                                 | 2                      | ⊃:                        | ∍:                 | > =                   | 5 =           | > =                    | <b>&gt;</b> =            |                     | 5ST                    |
| Bromodichloromethane                                | <b>)</b> :             | ⊃ =                       | <b>&gt;</b> =      | <b>&gt;</b> =         | > =           | > ¬                    | 0 ⊃                      | • ⊃                 | 0.4 ST                 |
| cis-1, 3-Dichloropropene                            | <b>-</b> -             |                           | > =                | > =                   | > ⊃           |                        | 0                        | 5                   | 1                      |
| 4-Methyl-2-pentanone                                | <b>-</b> -             |                           | > ⊃                | , <b>-</b>            |               | 5                      | Þ                        | 5                   | 5 ST                   |
| toluene<br>trans1.3-Dichloropropene                 | > >                    |                           | >                  | G                     | 5             | >:                     | ∍:                       | > =                 | 0.4 ST                 |
| 1.1.2-Trichloroethane                               | Э                      | 2                         | ⇒:                 | ∍:                    | >:            | > =                    |                          | > =                 | 131                    |
| 1,3-Dichloropropane                                 | <u>ا</u> د             | _ <u></u>                 | 110                |                       | 538           | 270 B                  | 15 B                     | 2.8 JB              | 5 ST                   |
| Tetrachloroethene                                   | 1.0 JB                 | 31 JB                     |                    | a 040                 | 1 222         |                        |                          |                     | 50 GV                  |
| 2-Hexanone  | 2                      | ∍:                        | <b>-</b>           | > =                   | <b>-</b> -    | > =                    | > =                      | > =                 | 50 GV                  |
| Dibromochloromethane                                | <b>&gt;</b> :          | > =                       | <b>-</b>           | > =                   |               | • ⊃                    |                          | 5                   | 5 ST                   |
| 1,2-Dibromoethane                                   | <b>&gt;</b> =          | > =                       | > =                | >=                    | • ⊃           |                        | 5                        | D                   | 5 ST                   |
| Chlorobenzene                                       | <b>o</b> =             |                           | > >                | . ⊃                   |               | Þ                      | 2                        | 5                   | 5 ST                   |
| Ethylpenzene  |                        | D                         | >                  |                       | 5             |                        | <b>_</b> :               | <b>&gt;</b> =       | 0001<br>101            |
| Xylene (total)                                      | Þ                      | <b>D</b> :                | ∍:                 | <b>&gt;</b> :         | <b>-</b> -    | <b>&gt;</b> =          | > =                      | > =                 | 5ST                    |
| Styrene   | ⊃ :                    | <b>&gt;</b> =             | <b>-</b>           | > =                   |               | > >                    | , <b>-</b>               | • ⊃                 | 50 GV                  |
| Bromoform   | <b>&gt;</b> :          | > =                       | <b>b</b> =         |                       |               | D                      | Þ                        | D                   | 5 ST                   |
| Isopropyidenzerie<br>1122-Tetrachiomethane          | > ⊃                    |                           | D                  | D                     | 5             | ∍:                     | ⊃:                       | <b>=</b> =          | 201                    |
| Bromobenzene  | D                      |                           | ∍:                 | <b>:</b>              | ⊃ =           | <b>&gt;</b> =          | <b>-</b>                 | > =                 | 0.04 ST                |
| 1,2,3-Trichloropropane                              | ∍ :                    |                           | <b>5</b> =         |                       | 2             | > >                    | . ⊃                      | 5                   | 5 ST                   |
| n-Propylbenzene                                     | > =                    | > ⊐                       |                    | 5                     | D             | D                      | ⊃ :                      | 5                   | 5 ST                   |
| 2-Sincicourance<br>1,3,5-Trimethylbenzene           | 5                      | <u> </u>                  | 5:                 | ∍:                    | > =           | <b>&gt;</b> =          | <b>&gt;</b> =            |                     | 5ST                    |
| 4-Chlorotoluene                                     | <b>&gt;</b> =          | <b>-</b> -                |                    | ) )                   | > >           | 5                      | n                        | D                   | 5 ST                   |
| tert-butyipenzene<br>1.2.4-Trimethvibenzene         | • ⊃                    |                           |                    | 5                     |               | ⊃ =                    | ⊃ =                      | <b>-</b> -          | 55T                    |
| sec-Butylbenzene                                    | э:                     | > =                       | <b>=</b> =         | <b>-</b>              |               |                        | > >                      |                     | 5 ST                   |
| 4-Isopropyltoluene                                  | <b>&gt;</b> =          | <b>-</b>                  | > >                |                       |               | 5                      | 5                        | э:                  | 3ST                    |
| 1,4-Dichlorobenzene                                 | ) <b>)</b>             |                           | 5                  | ⊃:                    | 5:            | > =                    | ⊃ =                      |                     | 5ST                    |
| n-Butylbenzene                                      | <b>D</b> :             | ∍ =                       | <b>&gt;</b> =      | <b>&gt;</b> =         | > >           | > >                    | ) <b>)</b>               | 0                   | 3 ST                   |
| 1,2-Dichlorobenzene                                 | <b>&gt;</b> =          |                           | > >                | > ⊐                   |               | 5                      | э:                       | 5:                  | 0.04 ST                |
| 1,2-Ulpromo-3-chloropropratie                       | ) <b>)</b>             |                           | 5:                 | ∍:                    | <b>&gt;</b> : | ə =                    | 5 2                      |                     | 0.5 ST                 |
| Hexachlorobutadiene                                 | > :                    | 23 0                      | 0 18.1             | > >                   | 1.6 J         |                        | Ð                        | 5                   | 10 GV                  |
| Naphthalene   | 2 2                    | , n                       | n                  | n                     | D             | 0                      | 007                      | 63                  | 196                    |
| Total VOCs  | 2.3                    | 5.4                       | 105.2              | 678                   | 9.8           | 1,310                  | 19.9                     | <u>~~</u>           |                        |
| GENERAL CHEMISTRY                                   | 6.8                    | 6.8                       | 6.7                | 6.7                   | 6.7           | 6.6                    | 6.8                      | 6.5                 | 6-9                    |
| рп (?).() hd  |                        |                           |                    |                       |               |                        |                          |                     |                        |
| NOTES:  |                        |                           | ABBREVIATION:      | S nor liter CT: Stand | lard Value    | U: Compound analyzed f | or but not detected      |                     |                        |
| Concentration exceeds NYSDEC Clk                    | iss GA Groundwater Sta | ridara or cuivailoe vaive | -: Not established | GV: Guids             | ance Value    | J: Compound found at a | concentration below CRI  | DL, value estimated |                        |
| (1) - Sample analyzed at a unusit of 50.1.          |                        |                           |                    |                       |               | B: Compound found in a | blank as well as the sam | iple                |                        |
| לל) - סמוווטום מוומואלסת מו הייייייי אי איייי       |                        |                           |                    |                       |               |                        |                          |                     |                        |

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

|   |                        |                          |                   |                     |   | NYSDEC CLASS GA        |
|---|------------------------|--------------------------|-------------------|---------------------|---|------------------------|
| SAMPLE ID   | MW-109                 | MW-110 <sup>co</sup>     | MW-111<br>WATED   | MW-25               |   | GROUNDWATER            |
| SAMPLE TYPE   | WAIEK<br>0/12/2008     | WALER                    | 9/12/2008         | 9/12/2008           |   | STANDARDS AND GUIDANCE |
|   | D&B                    | D&B                      | D&B               | D&B                 |   | VALUES                 |
| UNITS   | (ng/L)                 | (na/LL)                  | (n8/r)            | (ng/L)              |   | (1)Bn)                 |
| VOCs  | -                      |                          | -                 | =                   |   | 5 GV                   |
|   | > =                    |                          | ) =               | • =                 |   |                        |
| Vinvd chloride  | . =                    |                          | 5                 | 0                   |   | 2 ST                   |
| Bromomethane  | 5                      |                          | D                 | Þ                   |   | 5 ST                   |
| Chloroethane  | 5                      |                          | ⇒:                | ⇒:                  |   | 001<br>Fot             |
| Trichlorofluoromethane                                |                        |                          | <b>)</b> :        |                     |   | 100                    |
| 1,1-Dichloroethene                                    | <b>-</b> :             |                          | <b>-</b> -        |                     |   | 50 GV                  |
| Acetone   | > =                    |                          | <b>b</b> =        |                     |   | 1                      |
|   | > =                    |                          | > =               | ) <u>=</u>          |   | 60 GV                  |
| Valibut usunuas                                       | > =                    |                          |                   |                     |   | 5 ST                   |
| trans 1 2-Dichloroathana                              |                        |                          | , <b>)</b>        | 0                   |   | 5 ST                   |
| Methyl-tert butyl ether                               | 2.5 J                  |                          | 5                 | 5                   |   | 10 GV                  |
| 1.1-Dichloroethane                                    | D                      |                          | D                 |                     |   | 221                    |
| Vinvl acetate   | Ð                      |                          | >                 |                     |   |                        |
| 2-Butanone  | D                      |                          | >                 | D                   |   | 10.0                   |
| cis-1,2-Dichloroethene                                | 1.9 J                  |                          | D                 | 26                  |   | -00                    |
| 2.2-Dichloropropane                                   | Ð                      |                          | >                 | _                   |   | 100                    |
| Bromochloromethane                                    | D                      |                          | 5                 | Þ                   |   | 100                    |
| Chloroform  | Ð                      |                          | >                 |                     |   | 10/                    |
| 1,1,1-Trichloroethane                                 | Þ                      |                          | D                 |                     |   | 100                    |
| 1,1-Dichloropropene                                   | D                      |                          | 5                 |                     |   | 100                    |
| Carbon tetrachloride                                  | D                      |                          | >                 |                     |   | 100                    |
| 1.2-Dichloroethane                                    | Þ                      |                          | >                 | <b>D</b>            |   | 10.0.0                 |
| Benzene   | Э                      |                          | >                 |                     |   | 101                    |
| Trichloroethene                                       | L.7.1                  |                          | 5                 | 3.6 J               |   | 100                    |
| 1 2-Dichlanontonana                                   | -                      |                          | <u>ح</u>          |                     |   | 1 S L                  |
|   | <b>b</b> =             |                          |                   |                     |   | 5 5 ST                 |
| Bromodicniorometriane                                 | <b>)</b> =             |                          | ) =               | ) =                 |   | 0.4 ST                 |
| cis-1, 3-Licnioropropene                              | <b>o</b> :             |                          | > =               | ) =                 |   |                        |
| 4-Methyl-2-pentanone                                  | Þ                      |                          | 5:                |                     |   | 5ST                    |
| Toluene   | ∍                      |                          | 2                 |                     |   | DAST DAST              |
| trans-1.3-Dichloropropene                             | D                      |                          | <b>D</b>          |                     |   | 10.4.01                |
| 1 1 2-Trichloroethane                                 | C                      |                          | 5                 |                     |   | 101                    |
|   | - 2                    |                          | 0                 |                     |   | 100                    |
|   |                        |                          |                   | 20 B                |   | 5 ST                   |
| l etrachloroethene                                    | 0.1                    |                          | ) <u>-</u>        |                     |   | 50 GV                  |
| 2-Hexanone  | 5                      |                          |                   |                     |   | 50 GV                  |
| Dibromochloromethane                                  | ∍                      |                          | <b>-</b> :        |                     |   | 551                    |
| 1,2-Dibromoethane                                     | ∍                      |                          | <b>-</b> :        | <br>⊃ :             |   |                        |
| Chlorobenzene   | Ð                      |                          |                   |                     |   | 100                    |
| 1,1,1,2-Tetrachioroethane                             | ∍                      |                          | <b>D</b>          | <br>:               |   |                        |
| Ethylbenzene  | Ð                      |                          | <b>.</b>          |                     |   | Loc                    |
| Xylene (total)  | 5                      |                          | <b>.</b>          |                     |   |                        |
| Styrene   | 5                      |                          | <b>.</b>          |                     |   | 50 GV                  |
| Bromoform   | D                      |                          | 5                 |                     |   | 5ST                    |
| Isopropylbenzene                                      | Э                      |                          |                   | 5:                  |   | 281                    |
| 1,1,2,2-Tetrachloroethane                             | 5                      |                          | <b>-</b>          | 5:                  |   | 5.5T                   |
| Bromobenzene  | D                      |                          | <b>.</b>          |                     |   | 0.04 ST                |
| 1,2,3-Trichloropropane                                | 2                      |                          | ⇒:                | > :                 |   | 5 ST                   |
| n-Propylbenzene                                       | . כ                    |                          | <b>&gt;</b> =     |                     |   | 5 ST                   |
| 2-Chlorotoluene                                       | .:<br>•                |                          | <b>-</b> :        | > =                 |   | 5 ST                   |
| 1,3,5-Trimethylbenzene                                | ∍:                     |                          | > =               |                     |   | 5 ST                   |
| 4-Chlorotoluene                                       | <b>&gt;</b> :          |                          | o =               |                     |   | 5 5 ST                 |
| tert-Butylbenzene                                     | <b>-</b> -             |                          | o =               | ) =                 |   | 5 ST                   |
| 1,2,4-Trimethylbenzene                                | <b>-</b> -             |                          | ) =               | >=                  |   | 5ST 5                  |
| sec-Butylbenzene                                      | <b>-</b>               |                          | =                 | ) =                 |   | 5 ST                   |
| 4-lsopropyltoluene                                    | <b>.</b> .             |                          | o =               | ) =                 |   | 3 ST                   |
| 1, 3-Dichlorobenzene                                  | <b>&gt;</b> :          |                          | > =               | > =                 |   | 3ST                    |
| 1,4-Dichlorobenzene                                   | > =                    |                          |                   |                     |   | 5 ST                   |
| n-Butylbenzene  | > =                    |                          |                   |                     |   | 351                    |
| 1,2-Dichlorobenzene                                   | <b>5</b> =             |                          | ) =               |                     |   | 0.04 ST                |
| 1,2-Dibromo-3-chloropropane                           | <b>-</b>               |                          | • ⊃               | 0                   |   | 551                    |
| 1,2,4-110/110/00/128118                               |                        |                          | >                 |                     |   | 10.01                  |
|   | > =                    |                          | 5                 | D                   |   |                        |
| Napilulaterie<br>1.9 3. Trichhorchanzana              |                        |                          | n                 | D                   |   | 100                    |
| Total VOCs  | 7.9                    |                          | )                 | 49.6                |   |                        |
| GENERAL CHEMISTRY                                     |                        |                          |                   |                     |   | 6-9                    |
| pH (S.U.)   | 6.4                    |                          | 6.3               | 0.2                 |   |                        |
|   |                        |                          |                   |                     | CITAL FFIERS:   |                        |
| NOTES:  |                        |                          |                   | CT: Standard Volice | 11. Commund analyzed for but not detected                   |                        |
| Concentration exceeds NYSDEC Clas                     | s GA Groundwater Sta   | andard or Guidance Value | ug/L = Micrograms |                     | 1. Compound found at a concentration helow CRDL value estir | imated                 |
| (3) - Monitoring well MW-110 was not sampled since it | could not be located a | and has reportedly been  |                   |                     | P. Commoning found in a blank as well as the sample         |                        |
| paved over by the local municipality.                 |                        |                          |                   |                     | ם, כטוווףטעווע וטעווט ווו א אואוא אל זועי אל אול לאייד      |                        |

### ATTACHMENT E

### PERFORMANCE SUMMARY

♦2578\SET10078-PL\_QR15.DOC

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

|   | _                     | _                        | _                        | _                        | _                        | _                        | _                         | _                         | _                         | _                         | _                         | _                         | _                         | -                         |                          |                          | _                        | _                        | _                        |                           | _                         | -                        |                          |                          |                          | _                        |                          |                          |                          | _                        |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                                 |  |                             |  |  |
|---|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------------|--|-----------------------------|--|--|
| CUMULATIVE<br>TOTAL VOC<br>REMOVAL<br>(lbs)               | 784.00 <sup>(1)</sup> | 787.53                   | 798.19 <sup>(2)</sup>    | 808.15                   | 824.08                   | 852.56 <sup>(2)</sup>    | 867.36                    | 880.08                    | 904.13 <sup>(2)</sup>     | 920.76                    | 943.35                    | 960.44 <sup>(2)</sup>     | 970.79                    | 989.97                    | 1,005.21 <sup>(2)</sup>  | 1,012.46                 | 1,015.49                 | 1,032.35 <sup>(2)</sup>  | 1,040.86                 | 1,055.23                  | 1,077.73 <sup>(2)</sup>   | 1,081.85                 | 1,095.35                 | 1,114.41 <sup>(2)</sup>  | 1,115.35                 | 1,120.54                 | 1,124.26 <sup>(2)</sup>  | 1,125.73 <sup>(2)</sup>  | 1,127.52                 | 1,132.08                 | 1,141.46 <sup>(2)</sup>  | 1,144.58                 | 1,150.85 (2)             | 1,153.72                 | 1,156.28                 | 1,160.94 (2)             | 1,162.95                 | 1,164.58                 | 1,169.26 <sup>(2)</sup>  | 1,171.21                 | 1,7/2.61                 | 1,179.67 14                     |  |                             |  |  |
| ESTIMATED<br>SYSTEM<br>RUNTIME<br>(hr)                    |                       | 172                      | 838                      | 444                      | 644                      | 1083                     | 576 (RW-1) 464 (RW-2)     | 599 (RW-1) 599 (RW-2)     | 755 (RW-1) 460 (RW-2)     | 559 (RW-1) 559 (RW-2)     | 669 (RW-1) 669 (RW-2)     | 969 (RW-1) 969 (RW-2)     | 566 (RW-1) 566 (RW-2)     | 673 (RW-1) 442 (RW-2)     | 848 (RW-1) 0 (RW-2)      | 395 (RW-1) 0 (RW-2)      | 423 (RW-1) 0 (RW-2)      | 918 (RW-1) 0 (RW-2)      | 473 (RW-1) 0 (RW-2)      | 719 (RW-1) 96 (RW-2)      | 1016 (RW-1) 1016 (RW-2)   | 209 (RW-1) 0 (RW-2)      | 550 (RW-1) 0 (RW-2)      | 1418 (RW-1) 0 (RW-2)     | 85 (RW-1) 0 (RW-2)       | 756 (RW-1) 0 (RW-2)      | 505 (RW-1) 0 (RW-2)      | 213 (RW-1) 0 (RW-2)      | 266 (RW-1) 0 (RW-2)      | 692 (RW-1) 0 (RW-2)      | 1232 (RW-1) 0 (RW-2)     | 504 (RW-1) 0 (RW-2)      | 1019 (RW-1) 0 (RW-2)     | 650 (RW-1) 0 (RW-2)      | 473 (RW-1) 0 (RW-2)      | 923 (RW-1) 0 (RW-2)      | 480 (RW-1) 0 (RW-2)      | 552 (RW-1) 0 (RW-2)      | 1136 (RW-1) 0 (RW-2)     | 317 (RW-1) 0 (RW-2)      | 215 (RW-1) 0 (KW-2)      | (228 (RW-1) 839 (RW-2)          |  |                             |  |  |
| ESTIMATED AVERAGE<br>TOTAL VOC<br>REMOVAL RATE<br>(Ib/hr) |                       | 2.05E-02                 | 1.27E-02                 | 2.24E-02                 | 2.47E-02                 | 2.63E-02                 | 2.87E-02                  | 2.12E-02                  | 4.05E-02                  | 2.97E-02                  | 3.37E-02                  | 1.76E-02                  | 1.83E-02                  | 2.85E-02                  | 1.80E-02                 | 1.83E-02                 | 7.17E-03                 | 1.84E-02                 | 1.80E-02                 | 2.00E-02                  | 2.22E-02                  | 1.97E-02                 | 2.45E-02                 | 1.34E-02                 | 1.10E-02                 | 6.87E-03                 | 7.36E-03                 | 6.91E-03                 | 6.72E-03                 | 6.59E-03                 | 7.61E-03                 | 6.19E-03                 | 6.16E-03                 | 4.42E-03                 | 5.39E-03                 | 5.05E-03                 | 4.19E-03                 | 2.96E-03                 | 4.12E-03                 | 8.16E-03                 | 7.43E-03                 | 4.65E-03 (RW-1) 1.37E-03 (RW-2) |  | ABBREVIATIONS               | ug/L: micrograms per liter                                     | lb/hr: pounds per hour   |
| TOTAL VOC<br>REMOVAL<br>EFFICIENCY<br>(%)                 |                       | 98.97%                   | 98.35%                   | 99.47%                   | 99.21%                   | 99.28%                   | 98.68%                    | 98.19%                    | 99.07%                    | 98.74%                    | 98.92%                    | 97.95%                    | 98.06%                    | 98.72%                    | 66.07%                   | 99.11%                   | 97.76%                   | 99.12%                   | %60.66                   | 98.06%                    | 98.30%                    | 99.25%                   | 99.40%                   | 98.95%                   | 98.77%                   | 97.95%                   | 98.22%                   | 98.14%                   | 98.05%                   | 98.01%                   | 98.31%                   | 97.98%                   | 97.60%                   | 97.58%                   | 97.93%                   | 97.83%                   | 97.60%                   | 96.72%                   | 97.56%                   | 08 39%                   | 98.77%                   | 95.30%                          |  |                             |  |  |
| SYSTEM EFFLUENT<br>TOTAL VOC<br>CONCENTRATION<br>(ua/L)   |                       | < 5.0                    | < 5.0                    | 3 J                      | < 5.0                    | < 5.0                    | < 5.0                     | < 5.0                     | < 5.0                     | < 5.0                     | < 5.0                     | < 5.0                     | < 5.0                     | < 5.0                     | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                     | < 5.0                     | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | 6.0                      | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 5.0                    | < 50                     | < 5.0                    | < 5.0                           |  | antainad in the             | ortaineu in ure<br>Fovironmental Inc.                          |  |
| YSTEM INFLUENT TOTAL<br>VOC CONCENTRATION<br>(100(L)      | 1                     | 484                      | 303                      | 562                      | 636                      | 693                      | 378                       | 277                       | 535                       | 397                       | 464                       | 244                       | 258                       | 390                       | 540                      | 560                      | 223                      | 567                      | 550                      | 258                       | 294                       | 666                      | 840                      | 474                      | 405                      | 244                      | 281                      | 269 <sup>(5)</sup>       | 257                      | 251                      | 295                      | 247                      | 250                      | 207                      | 241                      | 231                      | 209                      | 153                      | 205                      | 308                      | 408                      | 277 (RW-1) 39.2 (RW-2)          |  | o onitomotive and the other | ZUU4 based on Information of<br>both prepared by Ritle Water F | יוור הובלימורים אל הומה יייהיייייייייייייייייייייייייייייי       |
| SYSTEM INFLUENT<br>AVERAGE EXTRACTION<br>RATE<br>(norm)   | 11110                 | 84.60 (RW-1) 0.00 (RW-2) | 83.90 (RW-1) 0.00 (RW-2) | 79.80 (RW-1) 0.00 (RW-2) | 77.67 (RW-1) 0.00 (RW-2) | 75.85 (RW-1) 0.00 (RW-2) | 69.61 (RW-1) 82.32 (RW-2) | 70.25 (RW-1) 83.00 (RW-2) | 68.70 (RW-1) 82.50 (RW-2) | 67.10 (RW-1) 82.70 (RW-2) | 63.83 (RW-1) 81.58 (RW-2) | 63.82 (RW-1) 80.60 (RW-2) | 63.00 (RW-1) 78.85 (RW-2) | 67.00 (RW-1) 79.00 (RW-2) | 66.55 (RW-1) 0.00 (RW-2) | 65.46 (RW-1) 0.00 (RW-2) | 64.27 (RW-1) 0.00 (RW-2) | 64 76 (RW-1) 0.00 (RW-2) | 65.32 (RW-1) 0.00 (RW-2) | 63.60 (RW-1) 91.30 (RW-2) | 60.33 (RW-1) 90.31 (RW-2) | 59.18 (RW-1) 0.00 (RW-2) | 58.40 (RW-1) 0.00 (RW-2) | 56 70 (RW-1) 0.00 (RW-2) | 54.22 (RW-1) 0.00 (RW-2) | 56.28 (RW-1) 0.00 (RW-2) | 52.37 (RW-1) 0.00 (RW-2) | 51.33 (RW-1) 0.00 (RW-2) | 52.26 (RW-1) 0.00 (RW-2) | 52.47 (RW-1) 0.00 (RW-2) | 51.57 (RW-1) 0.00 (RW-2) | 50.10 (RW-1) 0.00 (RW-2) | 49.28 (RW-1) 0.00 (RW-2) | 42.64 (RW-1) 0.00 (RW-2) | 44.75 (RW-1) 0.00 (RW-2) | 43.71 (RW-1) 0.00 (RW-2) | 40.16 (RW-1) 0.00 (RW-2) | 38.81 (RW-1) 0.00 (RW-2) | 40.21 (RW-1) 0.00 (RW-2) | 39.96 (RW-1) 0.00 (RW-2) | 36.42 (RW-1) 0.00 (RW-2) | 33.56 (RW-1) 70.01 (RW-2)       |  |                             | recovered through December 31,                                 | 4 Operation and maintenance we<br>be end of the reporting period |
| SAMPLE<br>COLLECTION<br>DATE                              |                       | 2/23/2005                | 3/21/2005                | 4/19/2005                | 5/16/2005                | 6/20/2005                | 7/25/05 <sup>(3)</sup>    | 8/30/05 <sup>(3)</sup>    | 9/30/05 <sup>(3)</sup>    | 10/24/2005                | 11/21/2005                | 12/19/2005                | 1/24/2006                 | 2/24/2006                 | 3/22/2006                | 4/14/2006                | 5/23/2006                | 6/22/2006                | 7/20/2006                | 8/17/2006                 | 9/19/2006                 | 10/9/2006                | 11/1/2006                | 12/8/2006                | 1/5/2007                 | 2/26/2007                | 3/16/2007                | 6/15/2007                | 7/12/2007                | 8/10/2007                | 9/12/2007                | 10/22/2007               | 11/13/2007               | 1/28/2008                | 2/22/2008                | 3/14/2008                | 4/21/2008                | 5/14/2008                | 6/19/2008                | 7/14/2008                | 8/8/2008                 | 9/12/2008                       | and the second | NOTES:                      | 1. Total mass of VOC   | Fourth Quarter 200   |

NOTES:
 1. Total mass of VOC recovered through December 31, 2004 based on information contained in the Fourth Quarter 2004 Operation and Almineance Report prepared by Blue Water Environmental Inc.
 2. Estimated through the and of the reporting period mass removal rates reflect operation of both extraction wells RW-1 and RW-2.
 3. Extraction wall 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.

NT4\\Engwork\\_HazWaste\2578 (NYSDEC - Active Industrial Uniform Site)\ Quarteriy Reports\Quarter 7 (July 2006 through September 2006)\Activesamplingqtr15.xls

### ATTACHMENT F

### MONITORING WELL TREND BAR GRAPHS

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