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Jason R. Tonne

September 15, 2011

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

Re:

Franklin Cleaners Site (Site No. 1-30-050) D&B Work Assignment No. D004446-01

Quarterly Report No. 24

D&B No. 2531

Dear Mr. Long:

The Quarterly Report (No. 24) presents a summary of the operation, maintenance, monitoring and sampling activities performed at the off-site Franklin Cleaners groundwater extraction and treatment system (see Attachment A, Figure 1), for the period beginning June 1, 2010 through August 31, 2010.

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

Presented below is a summary of system operation and maintenance completed during the quarter, as well as the analytical results and interpretation of the sample collection and analysis completed during this reporting period at the off-site Franklin Cleaners groundwater extraction and treatment system. Note that groundwater monitoring well sample data is discussed in the Groundwater Sampling Report No. 3. In addition, a Site Management Plan (SMP) for the off-site Franklin Cleaners groundwater extraction and treatment system is currently being prepared by D&B.

Groundwater Extraction and Treatment System Operation and Maintenance

During this period, extraction well EW-1 operated at an average pumping rate of 32 gallons per minute (gpm) and extraction well EW-2 operated at an average pumping rate of 5.7 gpm. Normalized graphs of the average flow rate for EW-1 and EW-2 since September 2006 are presented in Attachment B. Based on a review of the data, the

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average flow rate for EW-1 has decreased and the average flow rate for EW-2 has remained stable as compared to Quarter 23. Extraction well EW-1 continues to exhibit an overall slightly decreasing trend, which may be attributable to iron plating at the well screen and/or slight pump wear over time. Extraction well EW-2 exhibits an overall stable trend.

Approximately 0.80 pounds of tetrachloroethene (PCE) were removed from the extracted groundwater by the treatment system during this reporting period and approximately 40.95 pounds of PCE have been removed since start-up of the system in September 2003. The average PCE removal efficiency for this reporting period was greater than 99 percent. A graph of the average PCE removal rate is provided in Attachment C. Overall, the PCE removal rate is exhibiting a decreasing trend and has declined since September 2007, which may attributable to a shift in the plume location. As detailed below, it is recommended to install up to 5 temporary geoprobe wells to the south and west of the treatment system building in order to more accurately define the current location of the plume.

Based on measurements recorded at the treatment system discharge flow meter, approximately 7,069,516 gallons of treated groundwater has been discharged to the Nassau County Department of Public Works (NCDPW) storm sewer system. Note that this volume is inconsistent with data collected from the influent flow meters for EW-1 and EW-2, which recorded a combined total flow of approximately 4,226,398 gallons of groundwater entering the treatment system. It was initially thought that this inconsistency was due to either wear or fouling of the influent flow meter paddle wheels. However, as noted in previous quarterly reports, cleaning of the influent flow meter paddle wheels was not effective at correcting this inconsistency. In addition, no significant wear on the paddle mechanisms was observed. It was also noted during several system monitoring events that the EW-1 and EW-2 flow meters were intermittently registering a flow of 0.0 gpm. As detailed in the recommendations of this and previous quarterly reports, further diagnosis of these inconsistencies and/or replacement of the paddle-style flow meters with mag-style flow meters is warranted.

During this reporting period, the groundwater extraction and treatment system was operational for a total of approximately 1,922 hours and inoperative for a total of approximately 286 hours due to system alarm conditions, routine system maintenance and non-routine system maintenance. Note that extraction well EW-2 was only operational for a total of approximately 1,846 hours and inoperative for a total of 362 hours. The additional downtime was the result of a radius of influence assessment performed for EW-2 and a test to determine if EW-2 can be operated at a higher flow rate. In addition, note that the scheduled blower maintenance event for August 2010 was not completed. The next blower maintenance is scheduled for October 2010.

Eight high-high wet well alarm conditions were responded to during this reporting period.

Routine maintenance performed during this reporting period included the following:

- Blower maintenance conducted on June 17, 2010; and
- Wet well pump maintenance conducted on July 12, 2010.

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Non-routine maintenance performed during this reporting period included the following:

- Property maintenance conducted on June 3, June 17, July 1, and August 5 2010;
- Adjustment and monitoring of the wet well floats, in order to further diagnose the recurring high-high wet well alarm on June 17, 2010;
- Trouble-shoot wet well pumps and control panel on June 25, 2010;
- Wet well pump inspection conducted on July 12, 2010;
- Collection of depth to water measurements from all groundwater monitoring wells on July 15, 2010 to establish baseline water levels as part of a radius of influence assessment;
- Removal of all loose epoxy floor coating debris at the treatment system building on July 15, 2010;
- EAR shut down extraction well EW-2 on July 21, 2010 as part of a radius of influence assessment and to investigate whether EW-2's flow rate could be increased. Pressure transducers were installed in groundwater monitoring wells ASMW-1, ASMW-2, and ASMW-3 and pump test monitoring wells PTMW-1, PTMW-2 and PTMW-3 (pump test monitoring wells installed by D&B along the south side right-of-way of the Southern State Parkway as part of the pre-design investigation completed in October 1999), as part of the radius of influence test. Testing was conducted on July 23, 2010 and July 26, 2010. Based on the results of the collected water level data, EAR determined that EW-2 is currently extracting groundwater at its maximum flow rate;
- Cleaning of EW-2 flow meter and air stripper fresh air inlet, and sweeping of building floor to remove epoxy floor coating on July 30, 2010;
- Cleaning of EW-2 flow meter and air stripper fresh air inlet, and repair of leak on influent water inlet port to air stripper on August 26, 2010; and
- Troubleshoot and assess electrical malfunctions associated with the wet well pump control panel on August 31, 2010.

A copy of the Site Activities Logs, System Monitoring Logs and a System Operations and Downtime Log for this reporting period, which includes a summary of system maintenance events and alarm responses, as prepared by EAR, are provided in Attachment D. A table summarizing the routine maintenance events completed this reporting period and the scheduled routine maintenance events for Quarter 25, is provided in Attachment E.

Groundwater Extraction and Treatment System Sampling

Groundwater samples were collected from the EW-1 and EW-2 well influent piping sample taps, as well as from the air stripper (liquid) discharge sample tap, at a frequency of twice per month during each of the 3 months comprising this reporting period. Each sample was analyzed for volatile organic compounds (VOCs) utilizing United States Environmental Protection Agency (USEPA) Method 624. In addition, the

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samples collected from the air stripper discharge sample tap were also analyzed for iron and manganese utilizing USEPA SW846 Method 6010 and for pH utilizing USEPA SW846 Method 9040.

The analytical results of samples collected from the aqueous phase system influent are compared to the New York State Department of Environmental Conservation (NYSDEC) Class GA Groundwater Standards and Guidance Values, and the analytical results of aqueous phase samples collected from the air stripper discharge are compared to the site-specific NYSDEC State Pollutant Discharge Elimination System (SPDES) permit equivalency effluent limitations. Analytical results are presented in Attachment F.

Based on review and evaluation of the analytical results of groundwater sampled from extraction well EW-1, PCE was detected at concentrations ranging from 14.0 ug/l to a maximum of 17.0 ug/l, detected on June 25, 2010. Groundwater sampled from extraction well EW-2 exhibited PCE concentrations ranging from 52.0 ug/l to a maximum of 65.0 ug/l, detected on June 10, 2010. The NYSDEC Class GA Standard for PCE is 5.0 micrograms per liter (ug/l). Based on the maximum concentrations detected and extraction well flow rates for EW-1 (34.4 gpm) and EW-2 (6.4 gpm), extraction well pump EW-1 is removing PCE at a rate of 2.76 x 10⁻⁴ pounds per hour (lb/hr) and extraction well pump EW-2 is removing PCE at a rate of 2.18 x 10⁻⁴ lb/hr.

The analytical results for the laboratory discharge samples collected this reporting period exhibited VOCs and metals concentrations below the effluent limitations. Laboratory analyzed pH values were detected within the site specific effluent range of 6.5 to 8.5; however, the field reading collected from the wet well on June 3, 2010 (4.94) exhibited a pH value below the site specific effluent range.

A summary of the extraction and treatment system performance results since September 2007 is provided in Attachment G.

Vapor phase samples were also collected from the two carbon adsorption unit influent and effluent sample taps at a general frequency of once per week. Each sample was collected by filling a Tedlar bag directly from each of the influent and effluent sample taps located on the two carbon adsorption units. The samples were screened using a calibrated, hand-held photoionization detector (PID). PID screening results for this reporting period are as follows:

- During this reporting period, PID readings collected from Carbon Vessel No. 1 vapor phase influent ranged from 0.0 parts per million (ppm) to 1.4 ppm, detected on July 1, 2010, while PID readings collected from Carbon Vessel No. 1 vapor phase vapor phase effluent ranged from 0.0 parts per million (ppm) to 1.8 ppm, detected on July 1, 2010.
- PID readings collected from Carbon Vessel No. 2 vapor phase influent ranged from 0.0 parts per million (ppm) to 1.7 ppm, detected on July 1, 2010, while PID readings collected from Carbon Vessel No. 2 vapor phase effluent ranged from 0.0 parts per million (ppm) to 2.2 ppm, detected on June 25, 2010.

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The NYSDEC was immediately notified of the PID reading exceedances upon review of the data. In addition, and as recommended below, EAR's sample technicians should notify the NYSDEC and D&B if an effluent exceedance is noted during future monitoring events.

It should also be noted that based on the maximum influent PCE mass flow rates for EW-1 and EW-2, the carbon vessels are being loaded at a rate of 4.96 x 10⁻⁴ lb/hr and given an average blower flow rate of 630 cubic feet per minute (ft³/min), this equates to a maximum air concentration of 0.03 ppm. The elevated PID readings noted above may indicate that the granular activated carbon has been exhausted and it may be necessary to collect an air sample for laboratory analysis to determine if the carbon vessels need to be serviced.

Data Validation

All sampling conducted during this quarter have been analyzed by Test America Laboratories (TAL), Shelton, CT. The biweekly system samples were analyzed for VOCs. In addition, the effluent sample (AS-1) was analyzed for iron, manganese and pH. The data packages submitted to TAL have been reviewed for completeness and compliance with the NYSDEC Analytical Services Protocol (ASP) Quality Assurance/Quality Control (QA/QC) requirements. All sample results have been deemed valid and usable for environmental assessment purposes.

Data Validation Checklists are presented in Attachment H.

Findings

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

- The analytical results of the system influent samples show that groundwater extraction wells EW-1 and EW-2 continue to capture VOC-contaminated groundwater at an average combined total flow rate of 37.8 gpm, which is greater than the minimum required pumping rate of 20 gpm, as specified in the December 2000 Groundwater Extraction and Treatment System Design Report.
- Inconsistencies were again noted between the influent total gallons pumped for EW-1 and EW-2 and the treatment system discharge total gallons pumped. Note that the influent flow meters were replaced on January 21, 2010; however, the meters continue to malfunction. In addition, non-routine cleaning and maintenance of the flow meters does not appear to be an effective remedy.
- The recurring high-high wet well condition continues to be the most frequent alarm condition, causing a majority of the total system downtime since start-up.
- Field screening of the effluent water continues to intermittently detect pH at values less than the site specific effluent range of 6.5 to 8.5.

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- Based on the influent mass loading rate and the blower air flow rate, the carbon vessels are currently being loaded at a rate of approximately 4.96 x 10⁻⁴ lb/hr. Given an average blower flow rate of 630 ft³/min, this equates to a maximum influent air concentration of 0.03 ppm.
- The PID readings obtained from the carbon vessel vapor phase effluent continue to intermittently exhibit total VOCs greater than the site specific effluent limit of 1.0 ppm.
- A new DER-10 document, dated May 2010, has been implemented since the March 1998 ROD was issued.
- The toxicity data, cleanup levels and remedial action objectives, as defined in the March 1998 ROD, remain unchanged.

Recommendations

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

- Continue operation of the groundwater extraction and treatment system to minimize downgradient migration of PCE, currently being captured by the system.
- It is recommended that the NYSDEC "call-out" contractor diagnose the inconsistencies noted between the influent and effluent flow meters and/or replace the paddle-style flow meters with mag-style flow meters.
- It is recommended that the NYSDEC "call-out" contractor diagnose the recurring high-high wet well conditions.
- Due to low pH results detected at the air stripper aqueous phase effluent, it is recommended to continue the field monitoring of the influent and effluent pH and closely monitor the results. If field monitoring effluent pH values are consistently detected outside of the aqueous phase effluent limit range of 6.5 to 8.5, it may be warranted to perform a post-treatment pH adjustment of the effluent water.
- It is recommended that a vapor phase sample be collected and laboratory analyzed via Method TO-15 at each carbon vessel effluent sample tap, in order to determine the actual VOC concentrations in the effluent vapor and to determine whether a carbon change-out is warranted at this time.
- Due to the decreasing overall PCE removal rate, and to more accurately define the current plume location, it is recommended to install and sample up to five temporary Geoprobe wells to the south and west of the treatment system building. Based on the results of the temporary well sampling, it may be warranted to install additional monitoring wells in these areas and/or modify the current extraction well placements in order to ensure the entire plume is captured and monitored.

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

Very truly yours,

Stankan Tayas

SET/LP/jmy,csf,lf

Attachments

cc: J. Trad (NYSDEC)

J. Multari (Molloy College)

J. Neri (H2M)

R. Walka (D&B)

F. DeVita (D&B)

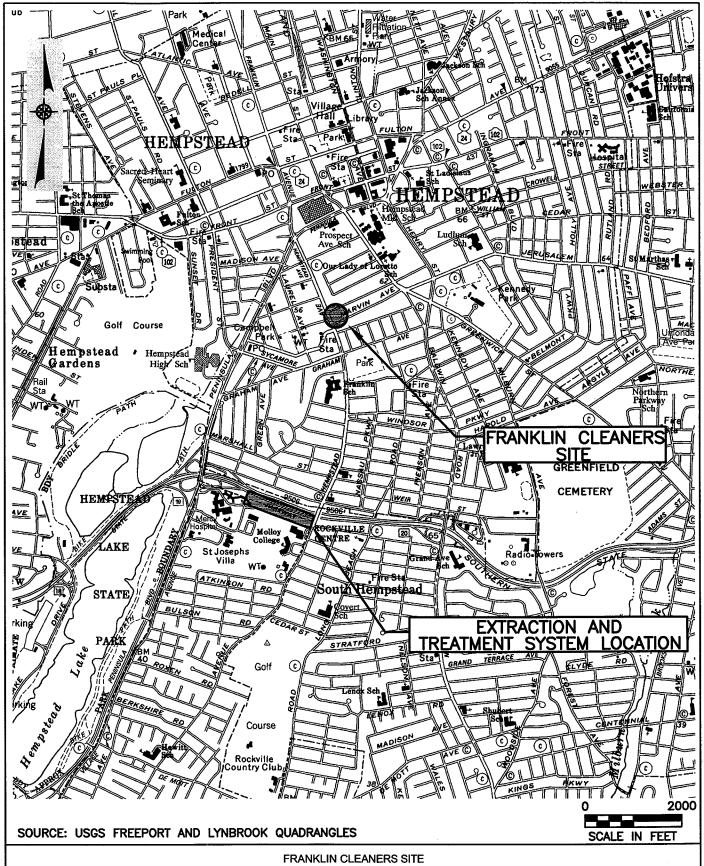
P. Martorano (D&B)

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Stephen Tauss Project Manager

ATTACHMENT A

FIGURES



FRANKLIN CLEANERS SITE VILLAGE OF HEMPSTEAD, NEW YORK

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A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Bartilucci

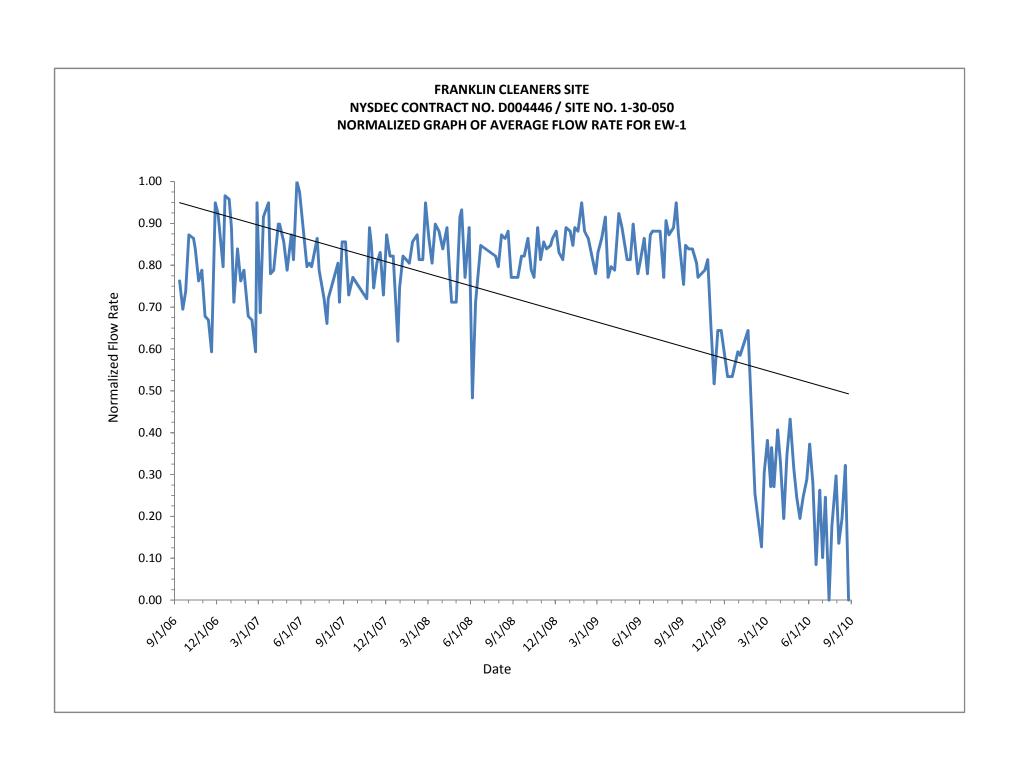
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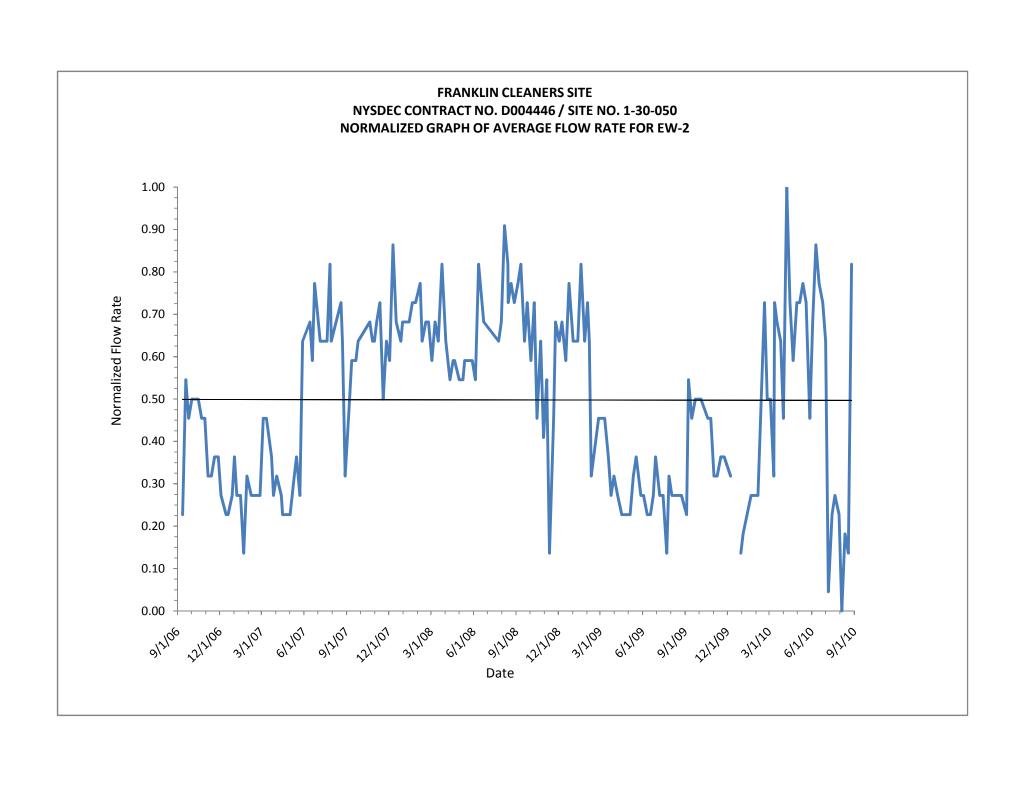


FIGURE 1

ATTACHMENT B

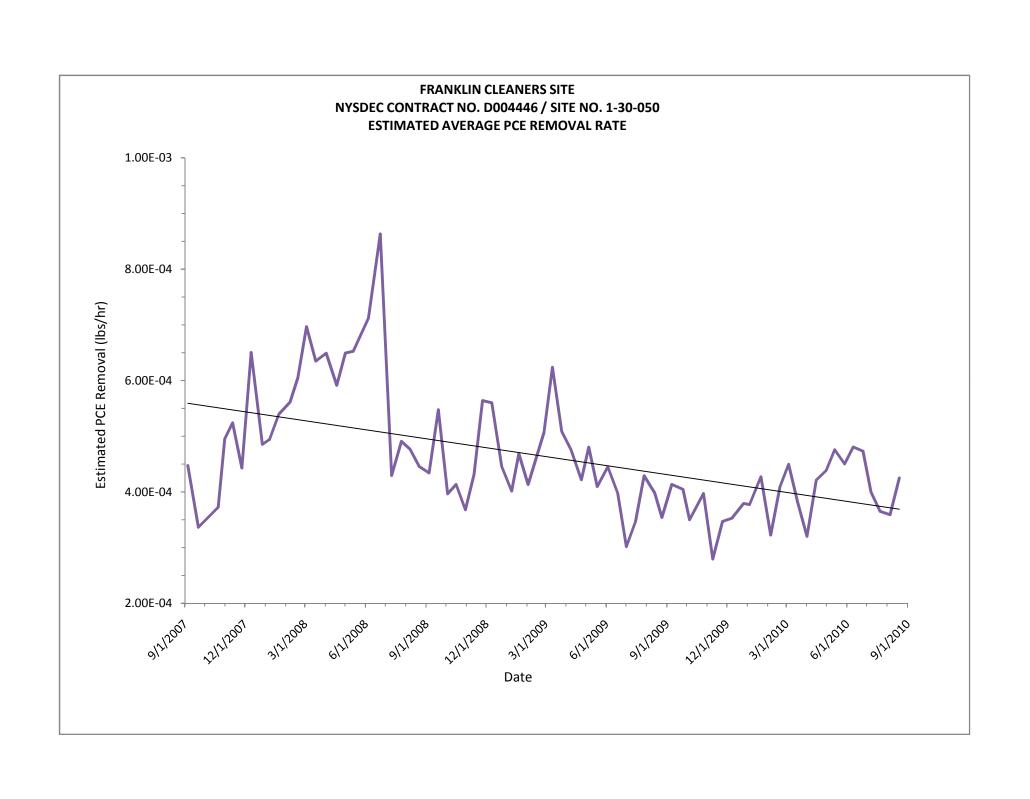
NORMALIZED EXTRACTION WELL FLOW RATE GRAPHS





ATTACHMENT C

AVERAGE PCE REMOVAL RATE GRAPH



ATTACHMENT D

SITE LOGS

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| KS | | 1 9.5 | | | | Maintenance Other (Provide Description) |

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

| PERSONNEL ON-SITE | DATE/TIME | E ON-SITE | TIME OFFSITE | | REASON FOR | SITE VIS | SIT (CHECK BOX BELOW) |
|--|--|---|--|----------------|----------------|--------------------------------|--|
| K 5 | 7/37/10 | 0900 | 1445 | | Monitoring | | Maintenance |
| | 7/27/10 | ###################################### | | | Sampling | X | Other (Provide Description) |
| | | TANKE THE TANKE | | | Alarm Response | | |
| Description: 개이시네이 | 14ing of | Wells | - KS-PROVAC | er- | PARKES | 4464 | 1 3 JA 1904 |
| | <i>a</i> | | | | | | |
| AND THE PROPERTY OF THE PROPER | | | | | | | |
| | | | | | | | |
| 15 | 7/80/10 | 0815 | | K | Monitoring | K | Maintenance |
| | i de la companya de l | en e | | | Sampling | | Other (Provide Description) |
| | | ************************************** | | | Alarm Response | | |
| Description: | Weekily | S GC / | Theeks Manyfold | ON | - 5huk- 8ub | | downto com |
| EU-Z. Friedrich | sens <i>or</i> : | + +00 | RAN FRSKAIR | . Magaza | | WICK | of floor of Longe |
| Parel Helire | | and is seen to the seen | V V V | | | ţ | The second result of the transfer of second results and the second results of the second results and the second results are the second results and the second results are the second results and the second results are the second re |
| | | | | | | | |
| | | | | | | | |
| K5 | 8/5/10 | A836 | 1230 | Īχ | Monitoring | I _{(×} | Maintenance |
| entroduction of the control of the c | | and gabases dillament disabet an assess | AMERICA (CONTROLLARIO) (CONTROLLARIO | X | Sampling | | Other (Provide Description) |
| довительной основной решений в дост сооройного угрод неуста на менен в сооройного в положений в полож | will kneed bewaters and operative to distribute COV colories and operative colories. | *************************************** | | | Alarm Response | | 1920 — жили жили коли статан самон Устан Стан Стан Стан Стан Стан Стан Стан С |
| Description: Binder | lu Buste | EM Sku | alan WEEKLA | S. | e checki | Prom | ERFY MHINTENNICE WITH CONSTRUCTION WWS 4.5/647. |
| acressed from | | | Composed 1 1 1 | | S GUIS. N | need | With Construction |
| Caronia Caronia | un nerven en e | | | en P | acolos m | n.Rl | 1457647 |
| 9 0/ECC | 11509 | Couche | | 120mg | |) *** *** | * " |
| RHURN LOG BO | 70K 40 | SAC. | | | | | |
| | | | | antikani malai | | ocasione decidentations recons | |

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

| PERSONNEL ON-SITE | DATE/TIME ON-SITE | TIME OFFSITE | | REASON FOR SITE | VISIT (CHECK BOX BELOW) |
|--|---|---|---|-----------------|-----------------------------|
| KS | 81210 | 1230 | × | Monitoring | Maintenance |
| enten anticologica de la composição de la composição de la contractiva del la contractiva del la contractiva de la contractiva del la contracti | 0900 | | | Sampling | Other (Provide Description) |
| SISOON TIN HELL POR HINDE ON ASSOCIATION SUIDO DA HINDE COSTA PHONOCIA RECOVERA FINO SIN RESULTA TUTO ER POR D | NEW COLUMN TO THE CONTROL OF THE PROPERTY OF THE PROPERTY OF THE COLUMN THE PROPERTY OF THE COLUMN | | | Alarm Response | |
| escription: WEB KLM | | | | | |
| ¥5 | 8/19/10 | | | Monitoring | Maintenance |
| | 0815 | 1130 | X | Sampling | Other (Provide Description) |
| | | | | Alarm Response | |
| | | | | Monitoring | |
| WW | 9-19-10 /930 | 1445 | | 1 | Maintenance |
| MM ES | 930/8-10 | 1445 | | Sampling | |
| | | na farezanta personamenta esta ministra monomenta esta esta esta esta esta esta esta es | | | Other (Provide Description) |

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

| PERSONNEL ON-SITE | DATE/TIME ON-SITE | TIME OFFSITE | REASON FOR SITE VISIT (CHECK BOX BELOV | | REASON FOR SITE VISIT (CHECK BOX BE | | | |
|--|--|---|--|--|--|---|--|--|
| KS, MM | 8/20/10 0930 | 1330 | | Monitoring | | Maintenance | | |
| | | | X | Sampling | | Other (Provide Description) | | |
| | | · | | Alarm Response | | | | |
| escription: HSWW- | 1,2,43, | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | 8/26/10 OF45 | 1330 | T. | Monitoring | | Maintenance | | |
| | филостроество регологизационення применення выполнення и и выполнення в применення в применення в применення в | CONTRACTOR DE LA SECULIA DE | AND THE PERSON NAMED IN | | The state of the s | | | |
| | | | | Sampling | K | Other (Provide Description) | | |
| escription: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Re Check on minis | | 88 | Alarm Response | L ONIV | | | |
| escription: WEEKly S 3hut system down | Ac Check, mante | CANCE OF FIVE | 88 | Alarm Response | h our | | | |
| rescription: WEEKIY S Shut system down Dell Assessiment of | Ac Check, mainte 4 to fix lenk e 7 nomws-4,516 | e India por Fine State of the Post | 88 | Alarm Response | h our | | | |
| escription: WEEKly S Shut system down Well Assessment of | fe Check, mainte 7 to fix lenk @ 7 ABMWS-4,516 | PINCE OF TIME PINCE OF TO AS | 88 | Alarm Response | sh over | | | |
| escription: WEEKily S Shut system down Well Assessment o | Re Check, mounts 4 to fix leak & Rasmus-4,516 | entite on the E | 88 | Alarm Response | sh over | | | |
| escription: WEEKLY S Shut system down Uen possessment o | 8 marin 003 - 41218 | entre on the | 88 | Alarm Response | sh over | | | |
| JULI HOSESTIVETT | #C Check, mainte y to fix lenk & g BBMWS-4.516 | TAIS | Tour | Alarm Response | sh over | | | |
| OCH HOSESTINETH C | 8 marin 003 - 41218 | | Tour | Alarm Response , Clear Fres er for purge | | Maintenance Other (Provide Description) | | |
| KMK, SR | 8/31/10 0915 | 1415 | Town | Alarm Response Clear Fres Cr for purge Monitoring | | Maintenance Other (Provide Description) | | |
| KMK, SR | 8/31/10 0915 | 1415 | X X | Alarm Response Clear Fres Cor Doroge Monitoring Sampling Alarm Response | #3 | Maintenance Other (Provide Description) | | |
| KMK, SR | 8/31/10 0915 | 1415 | X X | Alarm Response Clear Fres Cor Doroge Monitoring Sampling Alarm Response | #3 | Maintenance Other (Provide Description) | | |
| KMK, SR | 8 marin 003 - 41218 | 1415 | X X | Alarm Response Clear Fres Con Durge Monitoring Sampling | #3 | Maintenance Other (Provide Description) | | |
| KMK, SR | 8/31/10 0915 | 1415 | X X | Alarm Response Clear Fres Cor Doroge Monitoring Sampling Alarm Response | #3 | Maintenance Other (Provide Description) | | |

| PERSONNEL ON-SITE | DATE/TIME ON-SITE | TIME OFFSITE | REASON FOR SIT | TE VISIT (CHECK BOX BELOW) |
|---|--|---|----------------------------|---------------------------------|
| KS | 8/31/10 1245 | | Monitoring | Maintenance |
| | | | Sampling | Other (Provide Description) |
| | | | Alarm Response | |
| Pannel-Call F Departure. | shood Albem ? M To discuss. | 5 HH/WW. Por Eletrician to | wer issue e o eualuate. | the ww/control System off on |
| P | 8/31/10 14/30 | (500 | Monitoring | Maintenance |
| | | METER PER CALCULATION FOR A RESIDENCE AND ANALYSIS OF CONTRACT OF | Sampling | Other (Provide Description) |
| | | | Alarm Response | |
| · | | | | s. Lock out system. |
| Matthia Mark State (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) | | | Monitoring | Maintenance |
| | | | Sampling | Other (Provide Description) |
| | TOWARD STATE OF THE STATE OF TH | | Alarm Response | |
| Description: | | | | |

| | | SYSTEM MONITORING LO | | | |
|--|--|---|--|--|--|
| DATE | 5/13/10 KS | 5kolio KS | 5/28 10 KS | 6/3/10 KS | Glolio RS |
| TIME | 1/230 | 6945 | 0950 | 00100 | 0915 |
| EW-1 | ASSA AND ASS | | ************************************** | | |
| Flow Rate (gpm) | 32.2 | 31.8 | 33.3 | 34,3 | 33-2 |
| Total Flow (gal) | 04580917@1227 | 6459 6434@095 | 05271458@1036 | 05534558@0916 | 058618460 1000 |
| Influent pH (grab sample field reading) | 5.64 | 5.79 | 6.09 | 4.67 | 6.90 |
| VFD Operating Frequency (Hz) | 80,0 Hz | 80.0 Hz | 80 0 Hz | 80,0 Hz | 80,0 Hz |
| Pump Runtime (hrs @ time) | 4691349 @ 1253 | 4767562095 | 4726827 @ 1033 | 4740377 @ 0936 | 4757214 e 6958 |
| Bicycle Pump Pressure Reading (psi) | | | malactic (di 2004) (di cia ma di Perio (Colonia) | Annial production and the state of the state | Management and anticological states \$40000 fter |
| Water Column Above Pump (ft H₂O)(psi x 2.31) | mountaine des interesses de la company de la | on to characteristic member 2000 to the bord operation of the characteristic state of | ************************************** | and property and extended the following. | majorante de la companya de la comp |
| Routine Sampling Performed (YES/NO) | YES@ 1321 | NO | YES-1100 | NO | Yeso III3 |
| EW-2 | | | | | |
| Flow Rate (gpm) | * 64 | 6,3 | 5.7. | 6,2 | 6.6 |
| Total Flow (gal) | X 11571641@1303 | 116274342095 | 7 11628498@1036 | 1165985623940 | 11720341 @ 1001 |
| Influent pH (grab sample field reading) | 5.29 | 5,39 | 5.49 | 4.64 | 6.96 |
| VFD Operating Frequency (Hz) | 60.0 Hz | 60.0 Hz | 60.0 Hz | 60.0 Hz | 600 Hz |
| Pump Runtime (hrs @ time) | 2821340@1257 | 38375546 6954 | 28268106 1033 | 2870367@0936 | 2887205@0958 |
| Bicycle Pump Pressure Reading (psi) | Million in the contract of the contract between the contract of the contract o | ************************************** | -constitutions/controls/contro | whomas ship is the state of the | variable (interpretation) (interpretation) in the state of the state o |
| Water Column Above Pump (ft H₂O)(psi x 2.31) | *No describitor programme de la constitución de la | Manhamatani Erinya indirintahan | Name of the last o | anconfedications | anton was na managa nga nga nga nga nga nga nga nga ng |
| Routine Sampling Performed (YES/NO) | NESQ 1337 | NO | YES @ 1120 | 40 | YES 1122 |
| Air Stripper | | | | | |
| Sump Level (inches) | 6.1 | 6" | 6" | 6" | 64 |
| Effluent pH (grab sample field reading) | 4.85 | 6.58 | 6.89 | 4,64 | 7.10 |
| Fresh Air Inlet Vacuum (in H ₂ O) | 1 Comment | Zum . | 5-AGETCHANNER | 1.5 | 3 |
| Blower Suction (in H ₂ O) | 20.5 | 2 | 21.5 | 20.5 | 20.5 |
| Blower Discharge (in H₂O) | 25 | 24 | 21 | 24 | 23 |
| Blower Runtime (hrs @ time) | Sacramon market and the sacramon and the | 3594182@095S | 3613447 @ 1033 | 3687005@8936 | 3643842@0958 |
| Routine Sampling Performed (YES/NO) | VES @ 1350 | NO | Yes @ 1135 | NO | YES 1134 |

| | | SYSTEM MONITORING L | <u> </u> | | |
|---|--|--|-----------------|---------------|---------------|
| DATE | KS 5/13/10 | 5/20/10 KS | 5/08/10 KS | 6/3/10 KS | 6/10/10 KS |
| TIME | 1230 | 0945 | 0980 | 0900 | 10915 |
| Vapor Phase Carbon | A111 - A1 | The state of the s | WW | | |
| Lead/Lag Unit | | | | | |
| Lead pressure Inlet/Outlet (psi) | <u> 15/20</u> | 24/19 | 21/17 | a4 /18 | 23/18 |
| Lead Total VOC Conc. Inlet/Outlet (ppm) | 122/2.2 | 1.1/1.2 | 1.0//1.0 | 0.0/0.0 | 0.6 /0.0 |
| Lag pressure Inlet/Outlet (psi) | <u> </u> | 9/6 | 8 /16 | 8/6 | 8/% |
| Lag Total VOC Conc. Inlet/Outlet (ppm) | 2.4/2.5 | 1.2/1.6 | 1.0/1.5 | 0.0 /0.0 | 0.0/0.0 |
| Exhaust Flow Rate (scfm) | (20) | 620 | 580 | 610 | 600 |
| Exhaust Temperature (°F) | 81. | 80" | 84° | 85° | 8a° |
| Wet Well | | | | | |
| Pump No. 1 Runtime (hrs) | 162013 65 1524 | 165955 @ 0955 | 167012 @ 1084 | 16775300937 | 16867406959 |
| Pump No. 2 Runtime (hrs) | 157969e1254 | 158532 6 0155 | 159195@1034 | 159665 PO937 | 160248@0759 |
| Wet Well pH (grab sample field reading) | (8 | 6.76. | 7.28 | 4,94 | 7.12 |
| Valve Vault | | | | | |
| Pump No. 1 Operating Pressure (psi) | 10 | Ž. | 14 psl | 9.5 psi | 10 ps/ |
| Pump No. 1 Flow Rate (gpm) | 65 a pm | 65 gpm | 66 gpm | 66 09 PM | 66 9Pm |
| Pump No. 2 Operating Pressure (psi) | 110 | 1.9 | 1,2,081 | 189 218 | 10 051 |
| Pump No. 2 Flow Rate (gpm) | 169 agra- | 70 gpm | 67 gom | 65 90M | 70 com |
| Flow Meter Vault | e ^g * | <i>4,3</i> | 3 1 | 5×2 % | ٠) ' |
| Total Flow (gallons @ time) | 40932142@1317 | 41509722@102 | 7 12195019@1050 | 42674949@0953 | 4327361601036 |
| Jet Pump | | | | | |
| Line Pressure (psi) | 0 | <u> </u> | Ó | 0 | 0 |

COMMENTS

EWZ- Flow Senor Notworking on Arrival- Totalizer recorded Before shut down, @1400.

5/13/10 GPM 3 After CITANING 6.4 Totalizer of EWZ @ restart 11571077 @1428.

5/20/10-WW DUMP psis were low-called PM- no other Indication of a problem.

5/20/10-Totalizer Reading Recorded @ Shirt down for maintenance, Thet screen & Flow Sensor EW b/10/10 Totalizer Reading Recorded @ Shirt down for maintenance, Thet screen @ b/10/10 Totalizer Reading Recorded @ Shirt down for maintenance, Thet screen @ B/10/10 Totalizer Reading & Shut off 43278018 to Clean Fresh Air Thirt screen @ B/10/10 Totalizer Reading & Shut off 43278018 to Clean Fresh Air Thirt screen @ B/10/10 Totalizer Reading & Shut off 43278018

| | | SYSTEM MONITORING L | <u>ua</u> | | |
|---|---|--|--|--|--|
| DATE | 6/17/10 KS | 6/25/10 K5 | 7/11/0 KS | 7/7/10 KS | 715 10 KS |
| TIME | 09465 | 0630 | 1000 | 0915 | 0-900 |
| EW-1 | | | | | |
| Flow Rate (gpm) | 30.9 | 33.0 | 3(1 | 32.8 | 29.9 |
| Total Flow (gal) | 06170204@1109 | 66485271e0734 | 0649614@1158 | 06771463@0933 | 07137467@103 |
| Influent pH (grab sample field reading) | 6,34 | 6.82 | 6.89 | 6,98 | *Networkings-rooms |
| VFD Operating Frequency (Hz) | 90.0 | 80.0 | 80.0 Hz | 30.0 Hz | 80.0HZ |
| Pump Runtime (hrs @ time) | 4773135 @ 1107 | 4789395 <i>00</i> 752 | 4789999@1666 | 4804157@0980 | 4823127@1029 |
| Bicycle Pump Pressure Reading (psi) | | egyere e general finding state for the state of the state | Ormony as local side and other | Transportation Advance. | AND THE STANDS OF METERS |
| Water Column Above Pump (ft H₂O)(psi x 2.31) | w ^{dest} -CompressionChambus Roscopps J.Co. Cockets of eller Silvin No. Str. Str. Silvin Roscoperson | ************************************** | Winter participation (Applied | heracopephanicomannes | where the committee the |
| Routine Sampling Performed (YES/NO) | NO | YES 80753 | 00 | YES(@ 1609 | NO |
| EW-2 | | | | | |
| Flow Rate (gpm) | 64 | 6.3 | 6.1 | 4.8 | 3.2 |
| Total Flow (gal) | 11733467@1109 | 117 90458@0734 | 1179 2488 @ 1158 | 11836758@0932 | 11896482@1030 |
| Influent pH (grab sample field reading) | 6.49 | 6.80 | 6.84 | 6.95 | - COURT AND CONTRACT OF THE CO |
| VFD Operating Frequency (Hz) | 60.0 | 60.0 | 60.0 Hz | 60.0 HZ | 60.0 Hz |
| Pump Runtime (hrs @ time) | 29031260107 | 291938780732 | 2919996@1156 | 2934148@0930 | 295 3118 @ 1028 |
| Bicycle Pump Pressure Reading (psi) | ************************************** | Company of the Compan | And the second control of the second control | Marine de la companya del la companya de la company | Humpigganistatistinas, |
| Water Column Above Pump (ft H ₂ O)(psi x 2.31) | CONTRACTOR OF THE PROPERTY OF | wast contractions | -superpolated places | M-manuschiological. | MCCONTROLLES. |
| Routine Sampling Performed (YES/NO) | 00 | YES @ 0823 | NO | YES 1022 | 450 |
| Air Stripper | | | | | |
| Sump Level (inches) | 611 | 6" | 6" | 6 | 4 (1 |
| Effluent pH (grab sample field reading) | 7,30 | 6.92 | 6.95 | 7.07 | many and |
| Fresh Air Inlet Vacuum (in H ₂ O) | E | 1.5 | 1,5 | | 1.5 |
| Blower Suction (in H₂O) | 20.5 | al s | J0√5 | 20.5 | 20,5 |
| Blower Discharge (in H₂O) | 24 | 25.5 | 25 | 24 | 24 |
| Blower Runtime (hrs @ time) | 36597790107 | 367605920733 | 3676670@1156 | 3690827 @0930 | 37098,00@1029 |
| Routine Sampling Performed (YES/NO) | No | YESQ 0838 | NO | YES@ 1033 | K7 0 |

| | | SYSTEM MONITORING L | UG | | |
|---|---------------|---|----------------------------|---|--|
| DATE | Challe KS | Gaslio KS | 7/1/10 KS | 7/7/10 KS | 7/15/10 KS |
| TIME | 10945 | L'6630 | 600 | 0915 | 6900 |
| Vapor Phase Carbon | | 700000000000000000000000000000000000000 | 7770-041154.046154.0454.04 | | |
| Lead/Lag Unit | | , | | | |
| Lead pressure Inlet/Outlet (psi) | 24/18 | 25.5/19 | 25/19 | 24/19 | 24/18.5 |
| Lead Total VOC Conc. Inlet/Outlet (ppm) | 1/3/17 | 0.8/1.3 | 1.4 /1.8 | 0.0/0.0 | 0.4/0.7 |
| Lag pressure Inlet/Outlet (psi) | 8/6 | 9/6.5 | 9/7.5 | 9 / 6 | 9/6 |
| Lag Total VOC Conc. Inlet/Outlet (ppm) | 012/11 | 1,1/2/2 | 1,7/1,5 | 0.0/0,2 | 0.6 /1.0 |
| Exhaust Flow Rate (scfm) | 620 | 625 | 620 | 640' | 620 |
| Exhaust Temperature (°F) | 85° | 85° | 87° | 90 0 | 86° |
| Wet Well | | | | | |
| Pump No. 1 Runtime (hrs) | 1695470 1108 | 170439 60733 | 170479@1157 | 171247@693/ | 172262@1034 |
| Pump No, 2 Runtime (hrs) | 160801 @ KO8 | 16/26200733 | 161 378 @ 115 7 | 161871 @ 0251 | 162552@1034 |
| Wet Well pH (grab sample field reading) | 7.471 | 6.93 | 6.94 | | Pro-drawnshiptomy-stery |
| Valve Vault | | | , | 000000000000000000000000000000000000000 | ************************************** |
| Pump No. 1 Operating Pressure (psi) | 8 | 9.2. | 9. (| 10 | 9.4 |
| Pump No. 1 Flow Rate (gpm) | 63 | 64 | 64 | 6 | 65 |
| Pump No. 2 Operating Pressure (psi) | 9 | 9,2 | 9.1 | 10 | 9,4 |
| Pump No. 2 Flow Rate (gpm) | | 67 | 67 | 69 | 66 |
| Flow Meter Vault | | | | | |
| Total Flow (gallons @ time) | 4383960201119 | 44415954@0746 | 44437676 @ 1205 | 44 933844@o955 | 45600659@ 1132 |
| Jet Pump | | | | , | |
| Line Pressure (psi) | Ō | 0 | 0 | 0 . | \wedge |

COMMENTS

| 6/25/10 System Not running on Arrival. Sec System GP + Down short. Sustem |
|--|
| Tunning Normal UBON AEDARTUNE. |
| 7/11/10 Systèm not Running upon ARRIVAT- NO Alarm. See field water |
| 1/10 Eystem running normal upon Armont & Departure. |
| The state of the s |

| | - | SYSTEM MONITORING L | <u> </u> | | |
|---|--|--|--|--|--|
| DATE | 7/19/10 PL | 5/21/10 KS | 7/30/10 KS | 8/6/10 0830 | 8/12/10 0900 |
| TIME | 1235 | 0815 | 10815 | Ľ K 5 | 125 |
| EW-1 | ATT. (18 A. 18 | | | | |
| Flow Rate (gpm) | | 32.0 | 33.4 | 31.5 | 32.2 |
| Total Flow (gal) | 7322003 | 074073626090 | 3 07683481@0843 | 07961 326@ 1034 | 08286983810 |
| Influent pH (grab sample field reading) | | 5,50 | 5193 | 5.79 | 5.76 |
| VFD Operating Frequency (Hz) | | 80.0 | 80.0 | 80,0 | 80.0 |
| Pump Runtime (hrs @ time) | 4832735@1240 | 4837/66@0903 | 48515.41 e 0841 | 48660 530 1035 | 78827.88@0955 |
| Bicycle Pump Pressure Reading (psi) | | The Control of the State of the | production of the second secon | The According to the Ac | man Charles Anna San Agus Charles |
| —Water Column Above Pump (ft H₂O)(psi x 2:31) | | annesse en trope de sont de so | | per contract transportation and tracking | Acres and desired desired |
| Routine Sampling Performed (YES/NO) | | VES-0927 | 00 | 755 1056 | NO |
| EW-2 | | | | | |
| Flow Rate (gpm) | | 5.3 | 5,2 | | 5.1 |
| Total Flow (gal) | 11926682 | 11940767@0908 | 11962096 00844 | 120072160103 | 1/12059547 8 100 |
| Influent pH (grab sample field reading) | | 5.53 | 5.66 | 5.46 | 5.46 |
| VFD Operating Frequency (Hz) | | 60.0 | 60.0 | 60.0 | 60.0 |
| Pump Runtime (hrs @ time) | 29627.259246 | 296715700906 | 29739,3700841 | 298845401635 | 30058960956 |
| Bicycle Pump Pressure Reading (psi) | | the control and an antique of the control of the co | and the second s | *** A THE COLOR OF | power works and production of the second sec |
| Water Column Above Pump (ft H₂O)(psi x 2:31) | | **Complete Broken Hall (Mercon Arrys) og Bill (State). | and the second s | *mass yeard 2017-2011 | ************************************** |
| Routine Sampling Performed (YES/NO) | | YES @ 0940 | NO | YESE 1106 | K10 |
| Air Stripper | | | | , | |
| Sump Level (inches) | | 6" | 63 | 6" | 6" |
| Effluent pH (grab sample field reading) | | 6.89 | 6.99 | 7.11 | 7.08 |
| Fresh Air Inlet Vacuum (in H ₂ O) | | \mathcal{L} | 3 | 1.5 | 1.5 |
| Blower Suction (in H ₂ O) | | 20.5 | al | 26. S | 2015 |
| Blower Discharge (in H₂O) | | 24 | 22:5 | 24 | 24 |
| Blower Runtime (hrs @ time) | 37194,1501240 | 3723847@ 0904 | 37382,2800841 | 37527.44 1035 | 376947900956 |
| Routine Sampling Performed (YES/NO) | | YES @ 0950 | <i>'NO</i> | YES 1120 | NO |

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050

| | LIVMINTIN | CLEANERS SITE, NYSDEC SYSTEM MONITORING L | | | |
|---|--|--|---|--|--|
| DATE | 7/19/15 PC | 7/21/10 KS | 7/30/10 KS | 3510 | 8/12/10 KS |
| TIME | 1230 | 0815 | 6815 | 0830 | 0900 |
| Vapor Phase Carbon | | ************************************** | | | |
| Lead/Lag Unit | | | | | |
| Lead pressure Inlet/Outlet (psi) | | 24/18 | 22,5/19,5 | 24/18.5 | 24/18.5 |
| Lead Total VOC Conc. Inlet/Outlet (ppm) | | 6.0 /0.0 | 0.0 /0.0 | 0.0/0.0 | 0.0 /0.0 |
| Lag pressure Inlet/Outlet (psi) | | 9 / 6 | 8.5/6 | 19/6 | 9/6 |
| Lag Total VOC Conc. Inlet/Outlet (ppm) | | 0.0/0.0 | 0.0/6.0 | 0.0/0.0 | 0.6 /0.0 |
| Exhaust Flow Rate (scfm) | | 620 | 620 | 620 | 620 |
| Exhaust Temperature (°F) | | 181º | 88° | 900 | 84* |
| Wet Well | | | | | |
| Pump No. 1 Runtime (hrs) | 17274.60227 | 172969@ 0906 | 17361.400842 | 174338 1635 | 17517.0 @ 1000 |
| Pump No. 2 Runtime (hrs) | 16292, 40000 | 163099 €090 | 16363,5@0842 | 164201 1036 | 16488.881000 |
| Wet Well pH (grab sample field reading) | 200 | 7.80 | 7,38 | 7.3 | 7.31 |
| Valve Vault | | | | | |
| Pump No. 1 Operating Pressure (psi) | | 9.5 | 9,2 | 9.2. | l and Lan |
| Pump No. 1 Flow Rate (gpm) | | 66 | 64 | 63 | 43 |
| Pump No. 2 Operating Pressure (psi) | | 10 | 7.2 | 10.0 | 1,1 - 2 |
| Pump No. 2 Flow Rate (gpm) | | 6 | 66 | 65 | LS |
| Flow Meter Vault | | } | Activity of the second of the | | A |
| Total Flow (gallons @ time) | 459349650 12 | 33/46092591@ 0917 | 4656198480905 | 4707084701048 | 47657248610 |
| Jet Pump | | / | | alian and a same and a | The second survey of the secon |
| Line Pressure (psi) | | 0 | 0 | \$ | 0 |
| COMMENTS Responding to A | Harm / W. We | ul Hi-level | | • | A |
| Pumped down | L. Roshaled | | | 499900000000000000000000000000000000000 | |
| 7/21/10 System Forning | bornal - por | a Arrival- E | 19-2 HAS BEEN | shot down | 2 1022 |
| | in the second se | , | Pomar | ON TONEHOS - 2 | 2967284 |
| | ACH ANN ANN ANN ANN ANN ANN ANN ANN ANN AN | | 1 | 1 · O Lu | amenda novi postanti anti di ili anti anti anti anti anti anti anti ant |
| | | | Total | YER forman | 1158 |

| | ************************************** | SYSTEM MONITORING LOG |
|--|---|--|
| DATE | 8/19/10 KS | 8/26/10 K5 |
| TIME | 0815 | 0845 |
| EW-1 | *************************************** | |
| Flow Rate (gpm) | 33.7 | 29.9 |
| Total Flow (gal) | 0859 8474 @0841 | 0872069360956 |
| Influent pH (grab sample field reading) | 5.84 | 7.20 |
| VFD Operating Frequency (Hz) | 80.0 | 0.08 |
| Pump Runtime (hrs @ time) | 4899460@0939 | 4916387@6955 |
| Bicycle Pump Pressure Reading (psi) | | - Charles and the Control of the Con |
| Water Column Above Pump (ft H₂O)(psi x 2.31) | at 4 or 10 may a little gold grade hall and a second grade of a financial and | procession and the Contract of |
| Routine Sampling Performed (YES/NO) | YES@ 0910 | NO |
| EW-2 | | |
| Flow Rate (gpm) | 5.0 | 0.0 / 6.5 nHer |
| Total Flow (gal) | | 12/12/75@ 0956 |
| Influent pH (grab sample field reading) | 6.24 | 7.51 |
| VFD Operating Frequency (Hz) | 60.0 | 60.0 |
| Pump Runtime (hrs @ time) | 302186160839 | |
| Bicycle Pump Pressure Reading (psi) | Phonococcus and control of the state of the | ************************************** |
| Water Column Above Pump (ft H₂O)(psi x 2.31) | And contraction for the process of the contraction | ₀₋₀₋₀₀ -00-00-00-00-00-00-00-00-00-00-00 |
| Routine Sampling Performed (YES/NO) | <u> 162 - 0939 - </u> | NO |
| Air Stripper | | |
| Sump Level (inches) | 6" | 6" |
| Effluent pH (grab sample field reading) | 7.18 | 839 |
| Fresh Air Inlet Vacuum (in H ₂ O) | 2 | 2.5 |
| Blower Suction (in H₂O) | 20,5 | a! |
| Blower Discharge (in H ₂ O) | 24 | 24 |
| Blower Runtime (hrs @ time) | | 3803078@095S |
| Routine Sampling Performed (YES/NO) | YES- OASK | NO |

| | | SYSTEM MONITORING LO | G | | |
|---|--|--|---------------------------------------|--|--|
| DATE | 18/19/10 KS | 8/26/10 KS | | | |
| TIME | 0815 | 0845 | | | |
| Vapor Phase Carbon | | | | | |
| Lead/Lag Unit | | | | | |
| Lead pressure Inlet/Outlet (psi) | 24/18.5 | QH /19 | | 33000 | TENNING AND |
| Lead Total VOC Conc. Inlet/Outlet (ppm) | 0.8/0.7 | 0.0/0.0 | | | |
| Lag pressure Inlet/Outlet (psi) | 9/6 | 19/6 | | | |
| Lag Total VOC Conc. Inlet/Outlet (ppm) | 0.7/0.6 | 0.0 /0.0 | | ATTENDED TO SECURITION OF THE PARTY OF THE P | |
| Exhaust Flow Rate (scfm) | 620 | 620 | | | |
| Exhaust Temperature (°F) | 조약 * | 820 | | | Andrew Control of the |
| Wet Well | | | | | |
| Pump No. 1 Runtime (hrs) | 1759936083 | 9 176830@ otss | | | |
| Pump No. 2 Runtime (hrs) | | 166197 @ 0956 | A A A A A A A A A A A A A A A A A A A | AND THE RESERVE TO SERVE THE RESERVE TO SERVE THE RESERVE THE RESE | |
| Wet Well pH (grab sample field reading) | | 8.89 | | | |
| Valve Vault | ************************************** | - DAME - LANCE | | | |
| Pump No. 1 Operating Pressure (psi) | 1.8 | 11.9 | | | |
| Pump No. 1 Flow Rate (gpm) | 45 | 62 | | | |
| Pump No. 2 Operating Pressure (psi) | 1.9 | 9 | | | |
| Pump No. 2 Flow Rate (gpm) | 66 | 45 | | | |
| Flow Meter Vault | | | | | |
| Total Flow (gallons @ time) | 48441055 € 085 | 18836623@ 1022 | | | |
| Jet Pump | | | | | The second section is a second section of the second section of the second section is a second section of the section of |
| Line Pressure (psi) | O - | -0- | | | |
| COMMENTS | | | | | |

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050 SYSTEM OPERATIONS AND DOWNTIME SHEET

| SHUT-OFF DATE/TIME | RESTART DATE/TIME | CAUSE | ACTIONS TAKEN | TOTALIZER READING |
|--------------------|--|------------------|---|-------------------|
| | | Blower | STANDARd. OU/Off. | @ 8" OH DOVON |
| 4/8/10 1057 | 4810 1146 | MAINWHAGE | | 38065334@1100 |
| | State and the st | WW/ | | 38170838 |
| 4/16/10 2115 | 4/17/10 0817 | ++ | RESTART SYSTEM OF | 38771496 |
| 4-21-10 0449 | 4-21-10/021 | MXH | PUMD W-W down RESTOR SISTEN | 39097273 |
| 5/4/10 0510 | 5/4/10 1005 | HH/WW Alarm 3 | Pump down wet well down Destart & Monthol | 40183334 |
| | 5/12/10 1000 | HU/WW Alnow 3 | Pump do why | 4688655 |
| 5/13/10 1400pm | 5/13/10 1427 | F/S | Cleaned PaddleSon 75 Flow Sensor & EW-2 not working. | 40934516 |
| 5/28/10 1145 | 5/28/10@ 12/5 | MATTHENNUCE | Flow Sensor EW-Z Clehal Intel SCOREA | 42198402 |
| 6/5/18 1239 | 6/2110 @ 1340 | ? sustemost. | ronning / Phenelinedoun/restart. | 42603820 |
| 6/10/10 115/ | 6/10/10@ 1155 | MEANINE SCH | eau- | 43278018 |
| 6/17/10 1303 | 6/17/10 @ 14/4 | maintenance | | : 4384 5805 |
| 6/22/10 0242 | 6/22/10@ 1122 | Alarm 3 HH/WW | RESTATE | 44229861 |
| 6/24/10@1436 | 6/25/10@0650 | Alarm 3 HH/WW | | 4441257810664 |
| | 7/110 @ 1030 | | system not ronning on acknowly | 44433339 @ 1010 |
| 7/7/10@ 1100 | 7/1/10 @ 1123 | ww roma info | | 449 57637 |
| 7-12-1000945 | 7-12-10@ 1220 | Maintenance | Renark fruit Clean on p remisselly & | 45350332 E935 |

Phinespale

FRANKLIN CLEANERS SITE, NYSDEC SITE NO. 1-30-050 SYSTEM OPERATIONS AND DOWNTIME SHEET

| SHUT-OFF DATE/TIME | RESTART DATE/TIME | CAUSE | ACTIONS TAKEN | TOTALIZER READING | |
|--------------------|---|-----------------|------------------------------|-------------------|-----------------|
| 7/19/10 /030 | 7/19/10 | Hilosel | Pans down Restauled | 45934965@ 123 | 3 |
| 7/21/10 1022 | | lequest o PM | EW-2 Shotdown | 11941158 | |
| 7/23/10 1323 | | | | 075 07601 | |
| | | | | | |
| | 7/26/10 1315 | | RESTART SUSTEM | 07507612 FWH | |
| | 7/27/10 1410 | | reshart Ew-2 | 11941158 EWZ | |
| 7/30/10 0955 | 7/30/10 1045 | Melnierance | | 46564937 | |
| 8/26/10 10/35 | 8/26/19 1110 | MAINTENANCE | FLOW SERSOF & CLEARING WHE | 40027096 | |
| 8/30/10 1915 | 8/31/10 | Alarm-3 | Pump Davin WW/Restart Failur | 49,202,338 345 | Carl Mass La |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | STATE AND ADDRESS | | | | |

ATTACHMENT E

ROUTINE MAINTENANCE SCHEDULE

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 SUMMARY OF MAINTENANCE ACTIVITIES

| | 6/1/2010 | 7/1/2010 | 8/1/2010 | 9/1/2010 | 10/1/2010 | 11/1/2010 |
|-----------------------------|----------|----------|----------|----------|-----------|-----------|
| Activity | 24th Qtr | 24th Qtr | 24th Qtr | 25th Qtr | 25th Qtr | 25th Qtr |
| Blower Maintenance | 6/17/10 | | | | | |
| Air Stripper Maintenance | | | | | | |
| GAC Removal and Replacement | | | | | | |
| Wet Well Pumps Maintenance | | 7/12/10 | | | | |

| ##/##/## | Activity Completed |
|----------|----------------------|
| | Activity to Complete |

ATTACHMENT F

ANALYTICAL RESULTS

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 **RESULTS OF ANALYSIS OF EW-1 INFLUENT**

| | SYSTEM INFLUENT | |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
| SAMPLE ID | (EW-1) | (EW-1) | (EW-1) | (EW-1) | (EW-1) | (EW-1) | NYSDEC CLASS GA |
| SAMPLE TYPE | WATER | WATER | WATER | WATER | WATER | WATER | GROUNDWATER STANDARDS |
| DATE OF COLLECTION | 6/10/2010 | 6/25/2010 | 7/7/2010 | 7/21/2010 | 8/5/2010 | 8/19/2010 | AND GUIDANCE VALUES |
| COLLECTED BY | EAR | EAR | EAR | EAR | EAR | EAR | |
| UNITS | (ug/L) |
| VOCs | | | | | | | |
| Dichlorodifluoromethane | U | U | U | U | U | U | 5 ST |
| Chloromethane | 0.20 J | U | U* | 0.14 J | U | 0.78 J | |
| Vinyl chloride | U | U | U | U | U | U | 2 ST |
| Bromomethane | 0.12 J | U | U | U | U | U | 5 ST |
| Chloroethane | U | U | U | U | U | U | 5 ST |
| Trichlorofluoromethane | U | U | U | U | U | U | 5 ST |
| 1,1-Dichloroethene | U | U | U | U | U | U | 5 ST |
| Methylene chloride | U | U | U | U | U | U | 5 ST |
| trans 1,2-Dichloroethene | U | U | U | U | U | U | 5 ST |
| 1,1-Dichloroethane | U | U | U | U | U | U | 5 ST |
| Chloroform | 0.13 J | U | 0.18 J | 0.18 J | U | 0.17 J | 7 ST |
| 1,1,1-Trichloroethane | U | U | U | U | U | U | 5 ST |
| Carbon tetrachloride | U | U | U | U | U | U | 5 ST |
| 1,2-Dichloroethane | U | U | U | U | U | U | 0.6 ST |
| Trichloroethene | U | U | U | U | U | U | 5 ST |
| 1,2-Dichloropropane | U | U | U | U | U | U | 1 ST |
| Bromodichloromethane | U | U | U | U | U | U | 50 GV |
| cis-1,3-Dichloropropene | U | U | U | U | U | U | 0.4 ST |
| trans-1,3-Dichloropropene | U | U | U | U | U | U | 0.4 ST |
| 1,1,2-Trichloroethane | U | U | U | U | U | U | 1 ST |
| Tetrachloroethene | 16 | 17 | 16 | 14 | 15 | 16 | 5 ST |
| Dibromochloromethane | U | U | U | U | U | U | 50 GV |
| Chlorobenzene | U | U | U | U | U | U | 5 ST |
| Bromoform | U | U | U | U | U | U | 50 GV |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | U | 5 ST |
| 1,3-Dichlorobenzene | U | U | U | U | U | U | 3 ST |
| 1,4-Dichlorobenzene | U | U | U | U | U | U | 3 ST |
| 1,2-Dichlorobenzene | U | U | U | U | U | U | 3 ST |
| 2-Chloroethyl vinyl ether | U | U | U | U | U | U | 5 ST |



Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance

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

ST: Standard Value

GV: Guidance Value

U: Compound analyzed for but not detected

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

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 RESULTS OF ANALYSIS OF EW-2 INFLUENT

| | SYSTEM | SYSTEM | SYSTEM | SYSTEM INFLUENT | SYSTEM | SYSTEM INFLUENT | 10/0050 01 100 01 |
|---------------------------|-----------------|-----------------|----------|-----------------|-----------------|-----------------|------------------------------|
| SAMPLE ID | INFLUENT (EW-2) | INFLUENT (EW-2) | | (EW-2) | INFLUENT (EW-2) | (EW-2) | NYSDEC CLASS GA |
| SAMPLE TYPE | WATER | WATER | WATER | WATER | WATER | WATER | GROUNDWATER STANDARDS AND |
| DATE OF COLLECTION | 6/10/2010 | 6/25/2010 | 7/7/2010 | 7/21/2010 | 8/5/2010 | 8/19/2010 | GUIDANCE VALUES |
| COLLECTED BY | EAR | EAR | EAR | EAR | EAR | EAR | GUIDANCE VALUES |
| UNITS | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) |
| VOCs | | | | | | | |
| Dichlorodifluoromethane | U | U | U | U | U | U | 5 ST |
| Chloromethane | 0.19 J | 0.23 J | U* | U | U | 0.60 J | |
| Vinyl chloride | U | U | U | U | U | U | 2 ST |
| Bromomethane | U | U | U* | U | U | U | 5 ST |
| Chloroethane | U | U | U | U | U | U | 5 ST |
| Trichlorofluoromethane | U | U | U | U | U | U | 5 ST |
| 1,1-Dichloroethene | U | 0.23 J | 0.32 J | 0.22 J | U | 0.25 J | 5 ST |
| Methylene chloride | U | U | U | U | U | U | 5 ST |
| trans 1,2-Dichloroethene | U | U | U | U | U | U | 5 ST |
| 1,1-Dichloroethane | 0.11 J | U | U | U | U | U | 5 ST |
| Chloroform | 0.21 J | 0.17 J | 0.18 J | 0.15 J | U | 0.17 J | 7 ST |
| 1,1,1-Trichloroethane | 0.17 J | U | U | U | U | U | 5 ST |
| Carbon tetrachloride | U | U | U | U | U | U | 5 ST |
| 1,2-Dichloroethane | U | U | U | U | U | U | 0.6 ST |
| Trichloroethene | U | U | U | U | 0.18 J | U | 5 ST |
| 1,2-Dichloropropane | U | U | U | U | U | U | 1 ST |
| Bromodichloromethane | U | U | U | U | U | U | 50 GV |
| cis-1,3-Dichloropropene | U | U | U | U | U | U | 0.4 ST |
| trans-1,3-Dichloropropene | U | U | U | U | U | U | 0.4 ST |
| 1,1,2-Trichloroethane | U | U | U | U | U | U | 1 ST |
| Tetrachloroethene | 65 | 61 | 57 | 53 | 52 | 62 | 5 ST |
| Dibromochloromethane | U | U | U | U | U | U | 50 GV |
| Chlorobenzene | U | U | U | U | U | U | 5 ST |
| Bromoform | U | U | U | U | U | U | 50 GV |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | U | 5 ST |
| 1,3-Dichlorobenzene | U | U | U | U | U | U | 3 ST |
| 1,4-Dichlorobenzene | U | U | U | U | U | U | 3 ST |
| 1,2-Dichlorobenzene | U | U | U | U | U | U | 3 ST |
| 2-Chloroethyl vinyl ether | U | U | U | U | U | U | 5 ST |

NOTES: ABBREVIATIONS: QUALIFIERS:

Concentration exceeds NYSDEC Class GA ug/L = Micrograms per liter
Groundwater Standards or Guidance Values --: Not established

ST: Standard Value U: Compound analyzed for but not detected

GV: Guidance Value J: Compound found at a concentration below CRDL, value estimated U*: Result qualified as non-detect

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 RESULTS OF ANALYSIS OF AIR STRIPPER EFFLUENT FOR VOCS

| | SYSTEM EFFLUENT | EFFLUENT | NYSDEC CLASS GA |
|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-----------------|
| SAMPLE ID | (AS-1) | (AS-1) | (AS-1) | (AS-1) | (AS-1) | (AS-1) | LIMITATIONS | GROUNDWATER |
| SAMPLE TYPE | WATER | WATER | WATER | WATER | WATER | WATER | | STANDARDS AND |
| DATE OF COLLECTION | 6/10/2010 | 6/25/2010 | 7/7/2010 | 7/21/2010 | 8/5/2010 | 8/19/2010 | | GUIDANCE VALUES |
| COLLECTED BY | EAR | EAR | EAR | EAR | EAR | EAR | | GUIDANCE VALUES |
| UNITS | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) |
| Dichlorodifluoromethane | U | U | U | U | U | U | | 5 ST |
| Chloromethane | 0.16 J | U | U | U | U | 0.37 U | | |
| Vinyl chloride | U | U | U | U | U | U | | 2 ST |
| Bromomethane | U | U | U* | U | U | U | | 5 ST |
| Chloroethane | U | U | U | U | U | U | | 5 ST |
| Trichlorofluoromethane | U | U | U | U | U | U | | 5 ST |
| 1,1-Dichloroethene | U | U | U | U | U | U | | 5 ST |
| Methylene chloride | U | U | U | U | U | U | | 5 ST |
| trans 1,2-Dichloroethene | U | U | U | U | U | U | | 5 ST |
| 1,1-Dichloroethane | U | U | U | U | U | U | 10 | 5 ST |
| Chloroform | U | U | U | U | U | U | | 7 ST |
| 1,1,1-Trichloroethane | U | U | U | U | U | U | 10 | 5 ST |
| Carbon tetrachloride | U | U | U | U | U | U | | 5 ST |
| 1,2-Dichloroethane | U | U | U | U | U | U | | 0.6 ST |
| Trichloroethene | U | U | U | U | U | U | 10 | 5 ST |
| 1,2-Dichloropropane | U | U | U | U | U | U | | 1 ST |
| Bromodichloromethane | U | U | U | U | U | U | | 50 GV |
| cis-1,3-Dichloropropene | U | U | U | U | U | U | | 0.4 ST |
| trans-1,3-Dichloropropene | U | U | U | U | U | U | | 0.4 ST |
| 1,1,2-Trichloroethane | U | U | U | U | U | U | | 1 ST |
| Tetrachloroethene | 0.51 J | U | 0.43 J | 0.44 J | U | U | 5 | 5 ST |
| Dibromochloromethane | U | U | U | U | U | U | | 50 GV |
| Chlorobenzene | U | U | U | U | U | U | | 5 ST |
| Bromoform | U | U | U | U | U | U | | 50 GV |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | U | | 5 ST |
| 1,3-Dichlorobenzene | U | U | U | U | U | U | | 3 ST |
| 1,4-Dichlorobenzene | U | U | U | U | U | U | | 3 ST |
| 1,2-Dichlorobenzene | U | U | U | U | U | U | | 3 ST |
| 2-Chloroethyl vinyl ether | U | lυ | U | U | U | U | | 5 ST |

| NOTES: | |
|--------|-------------------------------------|
| | Concentration exceeds Site Specific |
| | Effluent Limitation |

ABBREVIATIONS

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

ST: Standard Value GV: Guidance Value

QUALIFIERS:

- U: Compound analyzed for but not detected
- J: Compound found at a concentration below CRDL, value estimated
- U*: Result qualified as non-detect.

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 RESULTS OF ANALYSIS OF AIR STRIPPER EFFLUENT IRON, MANGANESE AND pH

| | SYSTEM | SYSTEM | SYSTEM | SYSTEM | SYSTEM | SYSTEM | |
|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| SAMPLE ID | EFFLUENT (AS-1) | EFFLUENT |
| SAMPLE TYPE | WATER | WATER | WATER | WATER | WATER | WATER | LIMITATIONS |
| DATE OF COLLECTION | 6/10/2010 | 6/25/2010 | 7/7/2010 | 7/21/2010 | 8/5/2010 | 8/19/2010 | |
| COLLECTED BY | EAR | EAR | EAR | EAR | EAR | EAR | |
| UNITS | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) | (ug/L) |
| METALS | | | | | | | |
| Iron | 16.0 J | U | U | U | U | 93.8 J | 1000 |
| Manganese | 21.9 | 20.5 | 26.6 | 20.3 | 19.9 | 29.7 | 1000 |
| pH (S.U.) | 7.23 | 7.30 | 7.24 | 7.25 | 7.21 | 8.23 | 6.5 to 8.5 |

ABBREVIATIONS: QUALIFIERS:

ug/L: Micrograms per liter

- B: Concentration is greater than the instrument detection limit (IDL) but less than the Contract Required Detection Limit (CRDL)
- U: Compound analyzed for but not detected
- J: Compound found at a concentration below CRDL, value estimated

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 VAPOR PHASE SAMPLE RESULTS

| | CARBON VESSEL NO. 1 | CARBON VESSEL NO. 1 | CARBON VESSEL NO. 2 | CARBON VESSEL NO. 2 |
|--------------------|---------------------|---------------------|---------------------|---------------------|
| SAMPLE ID | INFLUENT | EFFLUENT | INFLUENT | EFFLUENT |
| SAMPLE TYPE | AIR | AIR | AIR | AIR |
| COLLECTED BY | EAR | EAR | EAR | EAR |
| UNITS | (ppm) | (ppm) | (ppm) | (ppm) |
| DATE OF COLLECTION | PID Reading | PID Reading | PID Reading | PID Reading |
| 6/3/2010 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6/10/2010 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6/17/2010 | 1.3 | 1.7 | 0.2 | 1.1 |
| 6/25/2010 | 0.8 | 1.3 | 1.1 | 2.2 |
| 7/1/2010 | 1.4 | 1.8 | 1.7 | 1.5 |
| 7/7/2010 | 0.0 | 0.0 | 0.0 | 0.2 |
| 7/15/2010 | 0.4 | 0.7 | 0.6 | 1.0 |
| 7/21/2010 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7/30/2010 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8/5/2010 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8/12/2010 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8/19/2010 | 0.8 | 0.7 | 0.7 | 0.6 |
| 8/26/2010 | 0.0 | 0.0 | 0.0 | 0.0 |

NOTES:

Samples were collected by filling a Tedlar bag at each of the sampling locations. Samples were tested using a handheld photoionization detector (PID).

ATTACHMENT G

PERFORMANCE SUMMARY

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 EXTRACTION AND TREATMENT SYSTEM PERFORMANCE RESULTS

| | SYSTEM INFLUENT (EW-1) AVERAGE | SYSTEM INFLUENT (EW-1) PCE | SYSTEM INFLUENT (EW-2) AVERAGE | SYSTEM INFLUENT (EW-2) PCE | SYSTEM EFFLUENT (AS-1) PCE | PCE REMOVAL | ESTIMATED AVERAGE PCE | ESTIMATED SYSTEM | ESTIMATED CUMULATIVE PCE |
|------------------------|-----------------------------------|-------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------|-----------------------------|---------------------|-------------------------------|
| DATE OF SAMPLE | EXTRACTION RATE | CONCENTRATION | EXTRACTION RATE | CONCENTRATION | CONCENTRATION | EFFICIENCY | REMOVAL RATE ⁽³⁾ | RUNTIME | REMOVAL |
| COLLECTION | (gpm) | (ug/l) | (gpm) | (ug/l) | (ug/l) | (%) | (lb/hr) | (hr) | (lbs) |
| 9/5/2008 | 39.0 | 13 | 6.0 | 60 | < 0.5 | 99.31 | 4.34E-04 | 110 | 34.11 |
| 9/19/2008 | 39.6 | 15 | 6.1 | 82 | < 0.5 | 99.44 | 5.48E-04 | 327 | 34.29 |
| 10/3/2008 | 40.1 | 12 | 6.1 | 51 | < 0.5 | 99.23 | 3.97E-04 | 338 | 34.43 |
| 10/16/2008 | 39.0 | 11 | 6.2 | 64 | < 0.5 | 99.25 | 4.14E-04 | 311 | 34.55 |
| 10/30/2008 | 39.5 | 12 | 5.8 | 45 | < 0.5 | 99.21 | 3.68E-04 | 248 | 34.65 |
| 11/12/2008 | 39.8 | 12 | 6.0 | 64 | < 0.5 | 99.30 | 4.31E-04 | 312 | 34.78 |
| 11/25/2008 | 39.9 | 16 | 6.1 | 80 | < 0.5 | 99.46 | 5.64E-04 | 430 | 35.02 ⁽¹⁾ |
| 12/9/2008 | 39.7 | 16 | 6.2 | 78 | < 0.5 | 99.45 | 5.60E-04 | 207 | 35.14 |
| 12/24/2008 | 40.4 | 13 | 6.4 | 57 | < 0.5 | 99.28 | 4.46E-04 | 300 | 35.27 |
| 1/8/2009 | 39.9 | 12 | 6.1 | 53 | < 0.5 | 99.24 | 4.02E-04 | 361 | 35.42 |
| 1/19/2009 | 40.3 | 14 | 6.1 | 61 | < 0.5 | 99.35 | 4.69E-04 | 269 | 35.54 |
| 2/2/2009 | 40.3 | 12 | 6.1 | 56 | < 0.5 | 99.26 | 4.13E-04 | 323 | 35.68 |
| 2/26/2009 | 39.1 | 16 | 5.6 | 69 | < 0.5 | 99.45 | 5.07E-04 | 581 | 35.97 ⁽¹⁾ |
| 3/11/2009 | 40.1 | 18 | 5.7 | 92 | < 0.5 | 99.54 | 6.24E-04 | 253 | 36.13 |
| 3/25/2009 | 39.0 | 16 | 5.3 | 74 | < 0.5 | 99.48 | 5.09E-04 | 335 | 36.30 |
| 4/8/2009 | 39.2 | 16 | 5.3 | 61 | < 0.5 | 99.44 | 4.76E-04 | 334 | 36.46 |
| 4/24/2009 | 40.4 | 13 | 5.2 | 61 | < 0.5 | 99.38 | 4.22E-04 | 277 | 36.58 |
| 5/5/2009 | 39.5 | 16 | 5.2 | 63 | < 0.5 | 99.46 | 4.81E-04 | 186 | 36.67 |
| 5/18/2009 | 40.5 | 13 | 5.5 | 53 | < 0.5 | 99.33 | 4.10E-04 | 554 | 36.89 (1) |
| 6/3/2009 | 39.5 | 15 | 5.3 | 56 | < 0.5 | 99.40 | 4.45E-04 | 65 | 36.92 |
| 6/18/2009 | 39.1 | 13 | 5.2 | 55 | < 0.5 | 99.35 | 3.98E-04 | 326 | 37.05 |
| 7/1/2009 | 40.3 | 8 | 5.5 | 48 | < 0.5 | 99.09 | 3.02E-04 | 308 | 37.14 |
| 7/15/2009 | 40.3 | 11 | 5.3 | 47 | < 0.5 | 99.23 | 3.47E-04 | 144 | 37.19 |
| 7/28/2009 8/13/2009 | 40.6 40.4 | 13 | 5.4 5.3 | 61 51 | < 0.5 < 0.5 | 99.37 99.33 | 4.29E-04 3.98E-04 | 458 382 | 37.39 37.54 |
| | | 13 | | _ | | | | | 37.54 37.70 ⁽¹⁾ |
| 8/24/2009 | 40.2 | 11 | 5.3 | 50 | < 0.5 | 99.25 | 3.54E-04 | 449 | |
| 9/8/2009 | 39.9 | 13 | 5.8 | 53 | < 0.5 | 99.30 | 4.14E-04 | 141 | 37.76 |
| 9/25/2009 | 39.8 | 12 | 5.8 | 57 | < 0.5 | 99.28 | 4.05E-04 | 412 | 37.93 |
| 10/5/2009 | 39.0 | 10 | 5.8 | 54 | < 0.5 | 99.17 | 3.50E-04 | 241 | 38.01 |
| 10/26/2009 | 39.5 | 12 | 5.7 | 56 | < 0.5 | 99.28 | 3.97E-04 | 495 | 38.21 |
| 11/9/2009 | 36.0 | 8 | 5.4 | 48 | < 0.5 | 99.03 | 2.79E-04 | 324 | 38.30 |
| 11/24/2009 | 37.5 | 11 | 5.5 | 51 | < 0.5 | 99.21 | 3.47E-04 | 502 | 38.47 ⁽¹⁾ |
| 12/8/2009 | 36.2 | 12 | 5.4 | 50 | < 0.5 | 99.23 | 3.53E-04 | 172 | 38.53 |
| 12/26/2009 | 36.3 | 13 | 5.2 | 55 | < 0.5 | 99.31 | 3.80E-04 | 307 | 38.65 |
| 1/4/2010 | 36.8 | 13 | 5.1 | 54 | < 0.5 | 99.32 | 3.77E-04 | 256 | 38.75 |
| 1/21/2010 | 37.5 | 14 | 5.3 | 62 | < 0.5 | 99.38 | 4.27E-04 | 408 | 38.92 |
| 2/5/2010 | 32.9 | 12 | 5.3 | 47 | < 0.5 | 99.18 | 3.22E-04 | 343 | 39.03 |
| 2/19/2010 | 31.4 | 15 | 6.3 | 55 | 0.82 | 98.74 | 4.09E-04 | 564 | 39.26 |
| 3/4/2010 | 34.4 | 16 | 5.8 | 60 | < 0.5 | 99.35 | 4.50E-04 | 251 | 39.38 |
| 3/18/2010 | 33.1 | 14 | 6.2 | 48 | < 0.5 | 99.19 | 3.81E-04 | 104 | 39.42 |
| 4/1/2010 | 33.8 | 11 | 5.7 | 47 | < 0.5 | 99.11 | 3.20E-04 | 328 | 39.52 |
| 4/15/2010 | 34.0 | 14 | 6.3 | 58 | < 0.5 | 99.25 | 4.21E-04 | 336 | 39.66 |
| 4/30/2010 | 33.6 | 15 | 6.3 | 59 | < 0.5 | 99.28 | 4.39E-04 | 342 | 39.81 |
| 5/13/2010 | 32.2 | 16 | 6.4 | 68 | 0.52 | 99.30 | 4.76E-04 | 299 | 39.95 |
| 5/28/2010 | 33.3 | 14 | 5.7 | 76 | 0.97 | 98.77 | 4.50E-04 | 440 | 40.15 |
| 6/10/2010 | 33.2 | 16 | 6.6 | 65 | 0.51 | 99.30 | 4.81E-04 | 226 | 40.26 |
| 6/25/2010 | 33.0 | 17 | 6.3 | 61 | < 0.12 | 99.84 | 4.73E-04 | 322 | 40.41 |
| 7/7/2010 | 32.8 | 16 | 4.8 | 57 | 0.43 | 99.48 | 4.00E-04 | 148 | 40.47 |
| 7/21/2010 | 32.0 | 14 | 5.3 | 53 | 0.44 | 99.36 | 3.65E-04 | 330 | 40.59 |
| 8/5/2010 | 31.5 | 15 | 4.7 | 52 | < 0.12 | 99.84 | 3.59E-04 | 289 | 40.70 |
| 8/19/2010 | 33.7 | 16 | 5.0 | 62 | < 0.12 | 99.86 | 4.25E-04 | 607 | 40.70 |

NOTES: ABBREVIATIONS: QUALIFIERS:

2. Performance results for the reporting period are shaded.

gpm: gallons per minute ug/L: micrograms per liter

lb/hr: pounds per hour NS: Not sampled

^{1.} Estimated through the end of the reporting period.

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

B: Compound detected in method blank as well as the sample, value estimated

ATTACHMENT H

DATA VALIDATION CHECKLISTS

| Project Name: | Franklin Cleaners aka Hem | pstead |
|--------------------------|---------------------------------|--|
| Project Number: | 2531-03 | |
| Sample Date(s): | June 10, 2010 | , |
| Matrix/Number | Water/3 (EW-1, EW-2 and | AS) |
| of Samples: | Trip Blank/0 | |
| Analyzing | TestAmerica Laboratories, | Shelton CT |
| Laboratory: | 1 CSLY MILETICAL EXPORATIONICS, | |
| Analyses: | | ds (VOCs): 40 CFR Part 136 method 624 e by USEPA SW846 Method 6010B |
| Laboratory Report No: | 220-12428 | Date:6/24/2010 |

ORGANIC ANALYSES VOCS

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

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable.

INORGANIC ANALYSES

Metals

| | Rep | Reported | | rmance eptable | Not |
|---------------------------------------|-----|----------|-----|-------------------|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | . • | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | | X | |
| 4. Field duplicates RPD | | | | | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/16/2010 |
|------------------------------------|---------------------------|
| VALIDATION PERFORMED BY SIGNATURE: | Un-R |

| Project Name: | Franklin Cleaners aka H | empstead | |
|---------------------------|---------------------------------------|--|--|
| Project Number: | 2531-03 | | |
| Sample Date(s): | June 25, 2010 | | |
| Matrix/Number of Samples: | Water/ 3 (EW-1, EW-2 and Trip Blank/0 | and AS) | |
| Analyzing Laboratory: | TestAmerica Laboratori | es, Shelton, CT | |
| Analyses: | | ounds (VOCs): 40 CFR Part 136 method 624 nese by USEPA SW846 Method 6010B | |
| Laboratory Report No: | 220-12625 | Date:7/14/2010 | |

ORGANIC ANALYSES VOCS

| | Reported | | Performance Acceptable | | Not |
|---------------------------------------|----------|-----|---------------------------|-----|----------|
| 3999 | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | - |
| A. Method blanks | | X | | X | |
| B. Trip blanks | | | | | X |
| C. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | | X | |
| 4. Surrogate spike recoveries | | X | | X | |
| 5. Field duplicates RPD | | | | | X |

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable.

INORGANIC ANALYSES

Metals

| | Reported | | Performance Acceptable | | Not |
|---------------------------------------|----------|-----|---------------------------|-----|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | | X | |
| 4. Field duplicates RPD | | | | - | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/16/2010 |
|---------------------------------|---------------------------|
| VALIDATION PERFORMED BY | 1000 |
| SIGNATURE: | |

| Project Name: | Franklin Cleaners aka Hemps | tead |
|--------------------------|------------------------------|---|
| Project Number: | 2531-03 | |
| Sample Date(s): | July 7, 2010 | |
| Matrix/Number | Water/3 (EW-1, EW-2 and A | <u>(Z)</u> |
| of Samples: | <u>Trip Blank/1</u> | |
| Analyzing | TestAmerica Laboratories, Sl | nelton, CT |
| Laboratory: | | |
| Analyses: | | (VOCs): 40 CFR Part 136 method 624 by USEPA SW846 Method 6010B |
| Laboratory Report No: | 220-12694 | Date:7/20/2010 |

ORGANIC ANALYSES

VOCS

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

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable with the following exception:

2B. Bromomethane and chloromethane were detected in the trip blank and qualified as non-detect (U) in the following: bromomethane in EW-2 and AS and chloromethane in EW-1 and EW-2.

INORGANIC ANALYSES

Metals

| | Reported | | Performance Acceptable | | Not |
|---------------------------------------|----------|-----|---------------------------|-----|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | · · | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | , | X | |
| 4. Field duplicates RPD | | | | | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/16/2010 |
|------------------------------------|---------------------------|
| VALIDATION PERFORMED BY SIGNATURE: | el - R |

| Project Name: | Franklin Cleaners aka He | mpstead |
|--------------------------|----------------------------|--|
| Project Number: | 2531-03 | |
| Sample Date(s): | July 21, 2010 | |
| Matrix/Number | Water/ 3 (EW-1, EW-2 a | nd AS) |
| of Samples: | Trip Blank/0 | • |
| Analyzing | Tast A anguing Talamatania | Chaltan CT |
| Laboratory: | TestAmerica Laboratorie | s, Shehon, C1 |
| Analyses: | | ands (VOCs): 40 CFR Part 136 method 624 ese by USEPA SW846 Method 6010B |
| Laboratory Report No: | 220-12823 | Date:08/02/2010 |

ORGANIC ANALYSES VOCS

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

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable.

INORGANIC ANALYSES

Metals

| | Reported | | Performance Acceptable | | Not |
|---------------------------------------|----------|-----|------------------------|-----|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | · |
| 2. Blanks | | | | | |
| A. Method blanks | - | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | | X | |
| 4. Field duplicates RPD | | | | | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/16/2010 |
|------------------------------------|---------------------------|
| VALIDATION PERFORMED BY SIGNATURE: | 12-R |

| Project Name: | Franklin Cleaners aka Hen | pstead |
|--------------------------|---------------------------|--|
| Project Number: | 2531-03 | |
| Sample Date(s): | August 5, 2010 | |
| Matrix/Number | Water/ 3 (EW-1, EW-2 and | 1 AS) |
| of Samples: | Trip Blank/0 | |
| Analyzing | TestAmerica Laboratories, | Shelton, CT and subcontracted to Edison, NJ |
| Laboratory: | | |
| | Volatile Organic Compour | ds (VOCs): 40 CFR Part 136 method 624 (Edison, |
| Analyses: | NJ) | |
| | Metals: Iron and manganes | be by USEPA SW846 Method 6010B (Shelton, CT) |
| Laboratory Report No: | 220-12975 | Date:8/20/2010 |

ORGANIC ANALYSES VOCS

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

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable with the following exception:

1. The chain of custody stated that the samples were preserved using NaOH. The lab was contacted and confirmed that they were propoperly preserved using HCL.

INORGANIC ANALYSES

Metals

| | Reported | | Performance Acceptable | | Not |
|---------------------------------------|----------|-----|---------------------------|-----|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | | X | |
| 4. Field duplicates RPD | | | | | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/16/2010 |
|---------------------------------------|---------------------------|
| VALIDATION PERFORMED BY SIGNATURE: | el-R |

| Project Name: | Franklin Cleaners aka | Hempstead |
|-----------------|------------------------|--|
| Project Number: | 2531-03 | |
| Sample Date(s): | August 19, 2010 | |
| Matrix/Number | Water/3 (EW-1, EW- | 2 and AS) |
| of Samples: | Trip Blank/0 | |
| Analyzing | Tost Amorian Talamete | rice Chalter CT |
| Laboratory: | TestAmerica Laborato | ries, Sneiton, C1 |
| Analyses: | | pounds (VOCs): 40 CFR Part 136 method 624 ganese by USEPA SW846 Method 6010B |
| | ivicuis. Iron and mang | ancse by OSLI A SW 040 Method 0010D |
| Laboratory | 220-13123 | Date:9/08/2010 |
| Report No: | 220 10120 | Date() 001 20 10 |

ORGANIC ANALYSES VOCS

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

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable.

INORGANIC ANALYSES

Metals

| | Reported | | Performance Acceptable | | Not |
|---------------------------------------|----------|-----|---------------------------|-----|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | X | | X | |
| 4. Field duplicates RPD | | | | | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/16/2010 |
|------------------------------------|---------------------------|
| VALIDATION PERFORMED BY SIGNATURE: | 12-2- |

| Project Name: | Franklin Cleaners aka He | mpstead |
|--------------------------|----------------------------|--|
| Project Number: | 2531-08 | |
| Sample Date(s): | October 21, 2010 | |
| Matrix/Number | Water/ 3 (EW-1, EW-2 a | nd AS) |
| of Samples: | Trip Blank/0 | |
| Analyzing | Tost Amonico I alconstonio | - Chaltan CT |
| Laboratory: | TestAmerica Laboratorie | s, Shellon, C1 |
| Analyses: | | unds (VOCs): 40 CFR Part 136 method 624 ese by USEPA SW846 Method 6010B |
| Laboratory Report No: | 220-13750 | Date:11/08/2010 |

ORGANIC ANALYSES VOCS

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

VOCs - volatile organic compounds

%R - percent recovery

RPD - relative percent difference

Comments:

Performance was acceptable.

INORGANIC ANALYSES

Metals

| | Rep | Reported | | rmance eptable | Not |
|---------------------------------------|-----|----------|----|-------------------|----------|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Laboratory Control Sample (LCS) %R | | | | | X |
| 4. Field duplicates RPD | | | | | X |

%R - percent recovery

RPD - relative percent difference

Comments:

| VALIDATION PERFORMED BY & DATE: | Donna M. Brown | 12/8/2010 |
|------------------------------------|----------------|-----------|
| VALIDATION PERFORMED BY SIGNATURE: | 10~~ | 2~ |