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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

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.

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

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 2.76×10^{-4} pounds per hour (lb/hr) and extraction well pump EW-2 is removing PCE at a rate of 2.18×10^{-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. 1vapor 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.

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 4.96×10^{-4} lb/hr and given an average blower flow rate of 630 cubic feet per minute (ft^3/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.

- 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 4.96×10^{-4} lb/hr. Given an average blower flow rate of 630 ft^3/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.

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

Very truly yours,

Stephen Tauss
Project Manager

SET/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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ATTACHMENT A

FIGURES

SOURCE: USGS FREEPORT AND LYNBROOK QUADRANGLES

FRANKLIN CLEANERS SITE
VILLAGE OF HEMPSTEAD, NEW YORK

SITE LOCATION MAP

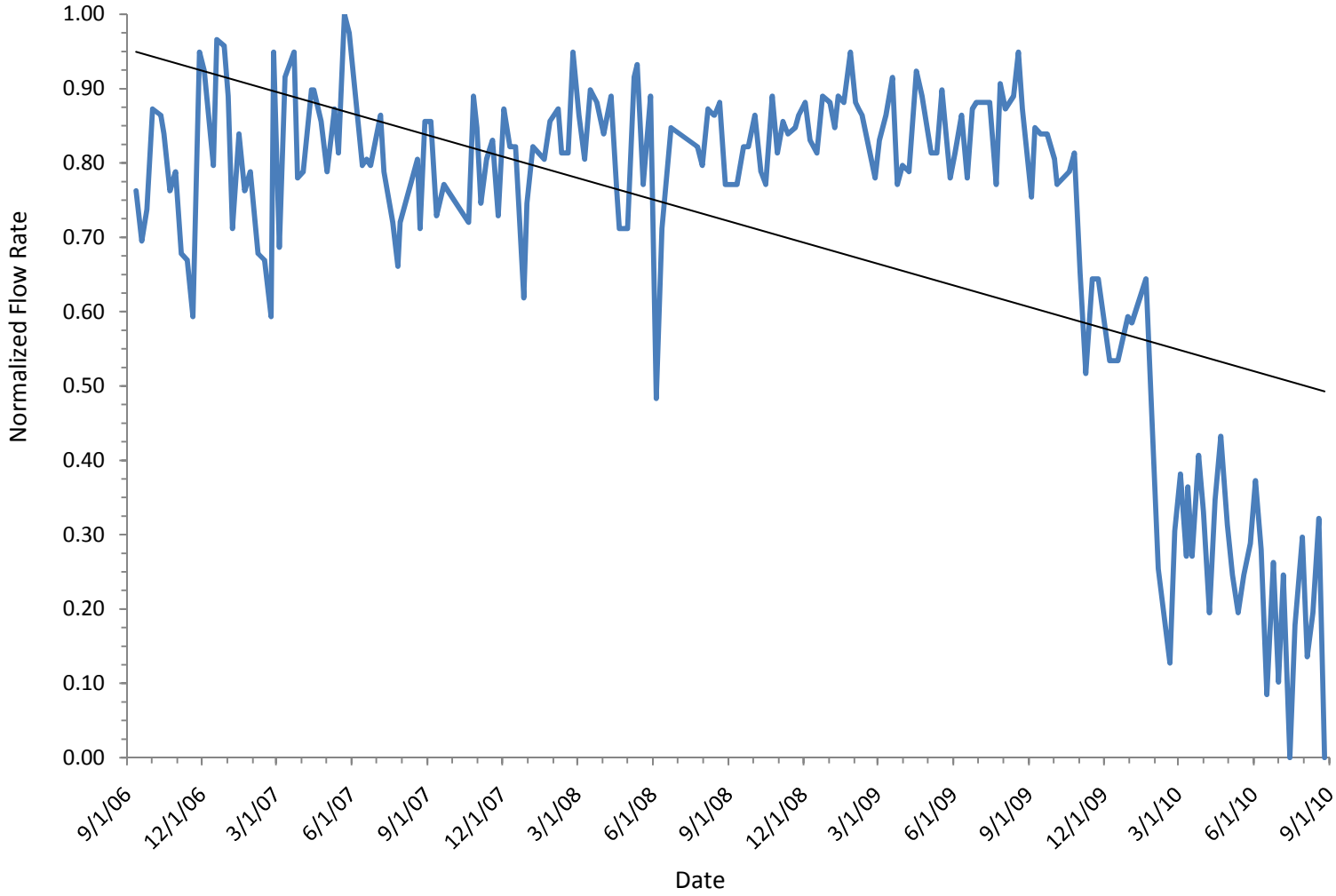
FIGURE 1

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

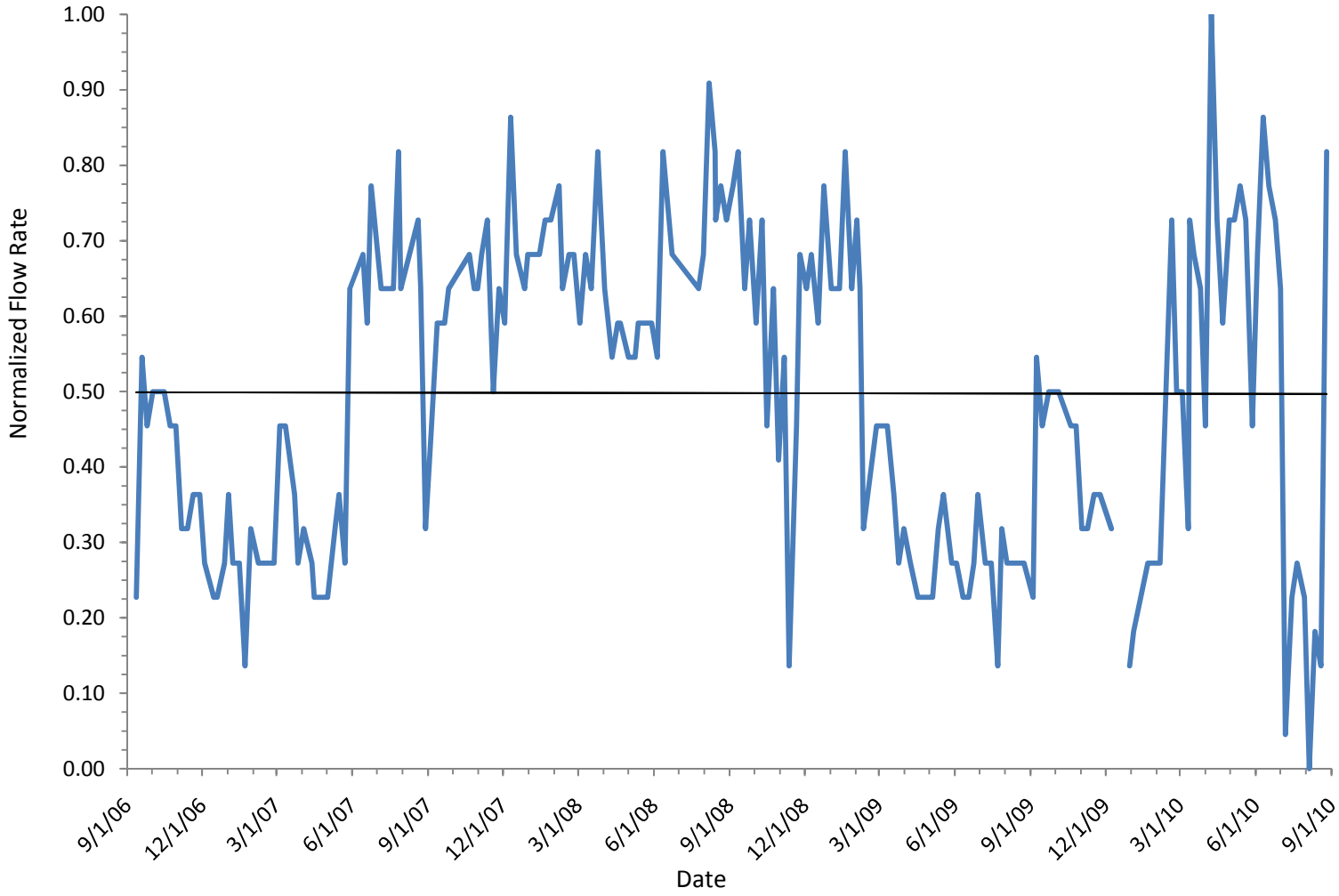
ATTACHMENT B

NORMALIZED EXTRACTION WELL FLOW RATE GRAPHS

FRANKLIN CLEANERS SITE
NYSDEC CONTRACT NO. D004446 / SITE NO. 1-30-050
NORMALIZED GRAPH OF AVERAGE FLOW RATE FOR EW-1



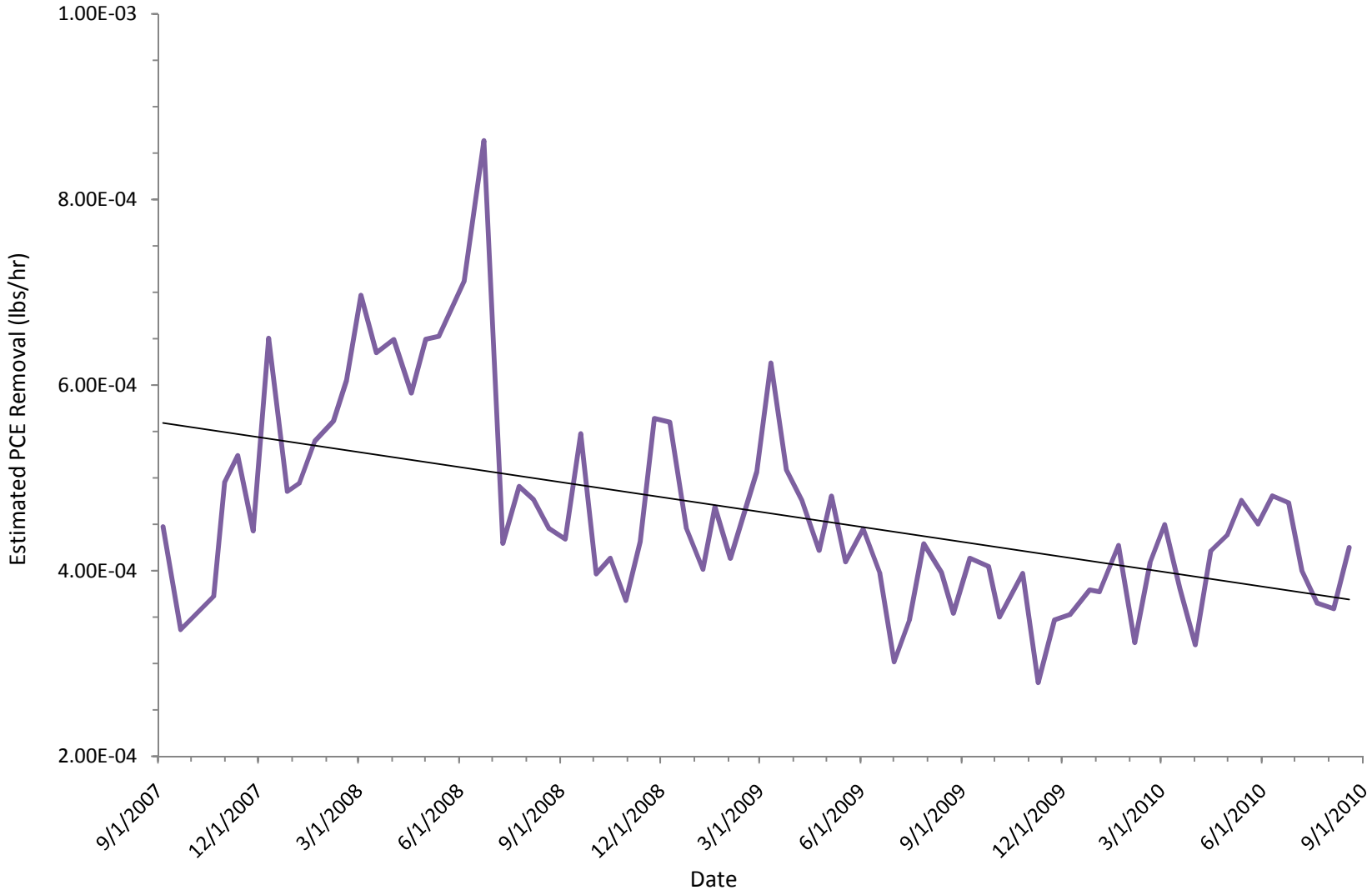
FRANKLIN CLEANERS SITE
NYSDEC CONTRACT NO. D004446 / SITE NO. 1-30-050
NORMALIZED GRAPH OF AVERAGE FLOW RATE FOR EW-2



ATTACHMENT C

AVERAGE PCE REMOVAL RATE GRAPH

FRANKLIN CLEANERS SITE
NYSDEC CONTRACT NO. D004446 / SITE NO. 1-30-050
ESTIMATED AVERAGE PCE REMOVAL RATE



ATTACHMENT D

SITE LOGS

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	5/28/10 0950	1230	X	Monitoring	X	Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Clean Inlet Air screen, Flow Sensor Maintenance EW-2. Weekly Site check, Bi-Weekly Samples.

KS	6/2/10 1240	1415		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Stoped to pick up log Book - System not running upon arrival - No call from Scada - HH in the W/W. Pump down Restraint - trouble shoot phone line not working. Called Verizon Appt @ 6/3/10 @ 9-12pm.

KS	6/3/10 0900	1200	X	Monitoring		Maintenance
Verizon Tech	6/3/10 0900	1000		Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Phone line Repair, Site check, Property Maintenance Support.

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	6/7/10 1315	1400		Monitoring		Maintenance
				Sampling	K	Other (Provide Description)
				Alarm Response	CK phone line repair	

Description: set alarm.

KS	6/10/10 0915	1230	X	Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: weekly site check - Bi weekly Sampling. monitor pH.

KH	6-12-10 1345	1445		Monitoring		Maintenance
				Sampling		Other (Provide Description)
			X	Alarm Response		

Description:
System down due to high water in wet well. Pump to drum and restarted. System went down 1030
totalizer # 3444100 Restart system @ 1400

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KH	6-16-10 1200	1315		Monitoring		Maintenance
				Sampling		Other (Provide Description)
			X	Alarm Response		

Description:
System down @ 0600 due to high wet well/totalizer 1/3757682

KS	6/17/10 0945	1500	X	Monitoring	X	Maintenance
KH	6/17/10 0945	1430		Sampling		Other (Provide Description)
				Alarm Response		

Description: KS: weekly site check, property maintenance, Blower maintenance. Assist with adjusting WW Float switches.
KH: monitor Floatswitch, adjust Float switches.

KS	6/22/10 1115	1200		Monitoring		Maintenance
				Sampling		Other (Provide Description)
			X	Alarm Response	#3	

Description: HH/WW. Pump down/restart.

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	0630 6/25/10	0930	X	Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
			X	Alarm Response	#3 HH/WW	

Description: Bi weekly sampling, weekly site check - Restart on arrival

PL/RBA	0900 6/25/10	1445		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: On site troubleshooting wet well pumps & pump controls

KS	7/1/10 @ 1000	1315	X	Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: Weekly site check + property maintenance. System not running upon arrival.

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS / KH	7/7/10 0915	KH(1230) KS(1300)	X	Monitoring		Maintenance
			X	Sampling	X	Other (Provide Description)
				Alarm Response		

Description: KS - weekly site check, Bi-weekly System Sampling -
KH - obtain SN# and information of WW pumps 1 + 2

KH, RA	7-9-10 0945	1430		Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description:
Installed new Manhole at ASMW6, installed new locks and bollcap on ASMW6, 7 Fondell MW repaired caps

KH, PL	7-12-10 0920	1345		Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description:
Pulled West well Pumps

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS, KMK	7/15/10 0900	1345	X	Monitoring	X	Maintenance
				Sampling		Other (Provide Description)
				Alarm Response		

Description: WEEKLY Site check / DTW ON All ASMW's / Secure ASMW 7 / Remove All Loose Floor Debris IN Building.

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
PL	7/19/10			Monitoring		Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Alarm / W. well Hi level / Restarted

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	7/21/10 0815	11	X	Monitoring		Maintenance
			X	Sampling	X	Other (Provide Description)
				Alarm Response		

Description: WEEKLY Site check, Bi-WEEKLY Sampling. Shut down EW2 AS instructed.

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KH	7-22-10 0930	1430		Monitoring		Maintenance
KMK	" 1000	"		Sampling	X	Other (Provide Description)
ES	" 1000	"		Alarm Response		

Description: · Installed Pressure Transducers in ~~AH~~ ASMW 1,2,3 and PTMW 1,2,3.

KH	7-23-10 930	1345		Monitoring		Maintenance
KMK	" 1000	1345		Sampling	X	Other (Provide Description)
ES	" 1000	1345		Alarm Response		

Description: Downloaded Press. Transducers and shut down system (EW-1 + Blower) @ ~~1318~~ 1323 (PC+Troll time)
EW-1: 32.9 spm / 750-760 l @ ~~1315~~ 1323
0.0 spm / 750-760 l @ ~~1326~~ 1331

KS	7-26-10 / 915	1400		Monitoring		Maintenance
KMK	" / 1000	1400		Sampling	X	Other (Provide Description)
ES	" / 1000	1400		Alarm Response		

Description: D/L Pressure Transducers and restarted system (EW-1 + Blower) @ 1315 (PC+Troll Time)

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	7/27/10 0900	1445	[ ]	Monitoring	[ ]	Maintenance
ES	7/27/10		[ ]	Sampling	[X]	Other (Provide Description)
			[ ]	Alarm Response		

Description: monitoring of wells - KS - provide traffic safety support.

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	7/30/10 0815		[X]	Monitoring	[X]	Maintenance
			[ ]	Sampling	[ ]	Other (Provide Description)
			[ ]	Alarm Response		

Description: Conduct weekly site check - monitor pH - shut system down to clean EW-2 flow sensor + to clean fresh air intake, sweep floor of loose paint debris.

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	8/5/10 0836	1230	[X]	Monitoring	[X]	Maintenance
			[X]	Sampling	[ ]	Other (Provide Description)
			[ ]	Alarm Response		

Description: Bi weekly system sampling. Weekly site check, property maintenance around compound + well areas for next weeks GWS. Meet with construction supervisor @ Molloy College to discuss sampling of 08MWS 4.5, 6 + 7. Return log book to site.

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	8/12/10	1230	X	Monitoring		Maintenance
	0900			Sampling		Other (Provide Description)
				Alarm Response		

Description: Weekly Site Check.

KS	8/19/10		X	Monitoring		Maintenance
	0815	1130	X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Bi weekly Sampling & weekly site check.

MM	8-19-10 / 930	1445		Monitoring		Maintenance
ES	930 / 8-19-10	1445	X	Sampling		Other (Provide Description)
				Alarm Response		

Description: Sampled 1SMW-6 and 1SMW-7

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, mm	8/20/10 0930	1330		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
				Alarm Response		

Description: ASMW-1, 2, & 3.

KS	8/26/10 0845	1330	X	Monitoring	X	Maintenance
				Sampling	X	Other (Provide Description)
				Alarm Response		

Description: Weekly site check, maintenance on PM EW-2, Clean Fresh air inlet screen. Shut system down to fix leak @ Inlet port to AS Tower for purged water. Well assessment of ASMW's - 4, 5, 6 & 7.

KMK, SR	8/31/10 0915	1415		Monitoring		Maintenance
			X	Sampling		Other (Provide Description)
			X	Alarm Response	#3	H H/WW

Description: "Alarm-3" Response system down upon arrival and departure
Sampling ASMW-4&5

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

PERSONNEL ON-SITE	DATE/TIME ON-SITE	TIME OFFSITE	REASON FOR SITE VISIT (CHECK BOX BELOW)			
KS	8/31/10 1245		[ ]	Monitoring	[ ]	Maintenance
			[ ]	Sampling	[ ]	Other (Provide Description)
			[X]	Alarm Response		

Description: Trouble shoot Alarm 3 HH/WW. Power issue @ the WW/control Panel - Call PM To discuss. Electrician to evaluate. System off on Departure.

PL	8/31/10 1430	1500	[ ]	Monitoring	[ ]	Maintenance
			[ ]	Sampling	[X]	Other (Provide Description)
			[ ]	Alarm Response		

Description: Trouble shoot problem w/WW pump motor starters. Lock out system.

			[ ]	Monitoring	[ ]	Maintenance
			[ ]	Sampling	[ ]	Other (Provide Description)
			[ ]	Alarm Response		

Description:

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	5/13/10 KS	5/20/10 KS	5/28/10 KS	6/3/10 KS	6/10/10 KS
TIME	1230	0945	0950	0900	0915
EW-1					
Flow Rate (gpm)	32.2	32.8	33.3	34.3	33.2
Total Flow (gal)	04580917@1227	6489 6434@ 0957	05271438 @1036	05534558@0940	05861546@ 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	4707562@ 0954	4726827@1033	4740377 @ 0936	4757214@ 0958
Bicycle Pump Pressure Reading (psi)	—	—	—	—	—
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—	—	—	—
Routine Sampling Performed (YES/NO)	YES@ 1321	NO	YES- 1100	NO	YES@ 1113
EW-2					
Flow Rate (gpm)	* 6.4	6.3	5.7.	6.2	6.6
Total Flow (gal)	*1157104l@1303	11627439@0957	11628498@1036	11659856@0940	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	60.0 Hz
Pump Runtime (hrs @ time)	2821340@1257	2837554@ 0954	2856810@ 1033	2870369@0936	2887205@0958
Bicycle Pump Pressure Reading (psi)	—	—	—	—	—
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—	—	—	—
Routine Sampling Performed (YES/NO)	YES@ 1337	NO	YES@ 1120	NO	YES 1122
Air Stripper					
Sump Level (inches)	6"	6"	6"	6"	6"
Effluent pH (grab sample field reading)	6.55	6.58	6.89	4.64	7.10
Fresh Air Inlet Vacuum (in H_2O)	1.5	2	5 - After cleaning(1)	1.5	3
Blower Suction (in H_2O)	20.5	21	21.5	20.5	20.5
Blower Discharge (in H_2O)	25	24	21	24	23
Blower Runtime (hrs @ time)	3577961 @1254	3594182@ 0955	3613447@ 1033	3627005 @ 0936	3643842@ 0958
Routine Sampling Performed (YES/NO)	YES@ 1350	NO	YES @ 1135	NO	YES 1134

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	KS 5/13/10	5/20/10 KS	5/28/10 KS	6/3/10 KS	6/10/10 KS
TIME	1230	0945	0950	0900	0945
Vapor Phase Carbon					
Lead/Lag Unit					
Lead pressure Inlet/Outlet (psi)	25/20	24/19	21/17	24/18	23/18
Lead Total VOC Conc. Inlet/Outlet (ppm)	2.2/2.2	1.1/1.2	1.0/1.0	0.0/0.0	0.0/0.0
Lag pressure Inlet/Outlet (psi)	9/7	9/6	8/6	8/6	8/6
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)	620	620	580	610	600
Exhaust Temperature (°F)	81°	80°	84°	85°	82°
Wet Well					
Pump No. 1 Runtime (hrs)	165073 @ 1254	165955 @ 0955	167012 @ 1034	167753 @ 0937	168674 @ 0959
Pump No. 2 Runtime (hrs)	157969 @ 1254	158532 @ 0955	159195 @ 1034	159665 @ 0937	160248 @ 0959
Wet Well pH (grab sample field reading)	6.81	6.76	7.28	4.94	7.12
Valve Vault					
Pump No. 1 Operating Pressure (psi)	10	2	1.4 psi	9.5 psi	10 psi
Pump No. 1 Flow Rate (gpm)	65 gpm	65 gpm	66 gpm	66 gpm	66 gpm
Pump No. 2 Operating Pressure (psi)	10	1.9	1.2 psi	9.5 psi	10 psi
Pump No. 2 Flow Rate (gpm)	69 gpm	70 gpm	67 gpm	65 gpm	70 gpm
Flow Meter Vault					
Total Flow (gallons @ time)	40932142 @ 1317	41509722 @ 1029	42195019 @ 1052	42674949 @ 0953	43273616 @ 1036
Jet Pump					
Line Pressure (psi)	0	0	0	0	0

COMMENTS

* EW2- Flow Senor not working on Arrival - Totalizer recorded Before shut down. @ 1400. 5/13/10 GPMs after cleaning 6.4 Totalizer of EW2 @ restart 11571077 @ 1428.
5/20/10 - WW pump psis were low - called PM - no other indication of a problem.
5/28/10 - Totalizer Reading Recorded @ shut down for maintenance, Inlet screen + Flow Sensor EW2
6/10/10 Totalizer Reading @ Shut off 43278018 @ 1151 to clean Fresh Air Inlet screen @ Restart 1158

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	6/17/10 KS	6/25/10 KS	7/1/10 KS	7/7/10 KS	7/15/10 KS
TIME	0945	0630	1000	0915	0900
EW-1					
Flow Rate (gpm)	30.9	33.0	31.1	32.8	29.9
Total Flow (gal)	06170204@1109	06485271@0734	0649614@1158	06771463@0932	07137467@1036
Influent pH (grab sample field reading)	6.84	6.82	6.89	6.98	—
VFD Operating Frequency (Hz)	80.0	80.0	80.0 Hz	80.0 Hz	80.0 Hz
Pump Runtime (hrs @ time)	4773135@1107	4789895@0732	4789999@1156	4804157@0930	4823127@1028
Bicycle Pump Pressure Reading (psi)	—	—	—	—	—
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—	—	—	—
Routine Sampling Performed (YES/NO)	NO	YES@0753	NO	YES@1609	NO
EW-2					
Flow Rate (gpm)	6.4	6.3	6.1	4.8	5.2
Total Flow (gal)	11738467@1109	11790458@0734	11792488@1158	11836758@0932	11896482@1036
Influent pH (grab sample field reading)	6.49	6.80	6.84	6.95	—
VFD Operating Frequency (Hz)	60.0	60.0	60.0 Hz	60.0 Hz	60.0 Hz
Pump Runtime (hrs @ time)	2903126@1107	2919387@0732	2919996@1156	2934148@0930	2953118@1028
Bicycle Pump Pressure Reading (psi)	—	—	—	—	—
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—	—	—	—
Routine Sampling Performed (YES/NO)	NO	YES@0823	NO	YES 1022	NO
Air Stripper					
Sump Level (inches)	6"	6"	6"	6"	6"
Effluent pH (grab sample field reading)	7.30	6.92	6.95	7.07	—
Fresh Air Inlet Vacuum (in H_2O)	2	1.5	1.5	1.5	1.5
Blower Suction (in H_2O)	20.5	21.5	20.5	20.5	20.5
Blower Discharge (in H_2O)	24	25.5	25	24	24
Blower Runtime (hrs @ time)	3659779@1107	3676059@0733	3676670@1156	3690827@0930	37098.00@1029
Routine Sampling Performed (YES/NO)	NO	YES@0838	NO	YES@1633	NO

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	6/17/10 KS	6/25/10 KS	7/1/10 KS	7/7/10 KS	7/15/10 KS
TIME	0945	0630	1000	0915	0900
Vapor Phase Carbon					
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)	1.3/1.7	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)	0.2/1.1	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°	86°
Wet Well					
Pump No. 1 Runtime (hrs)	169547@1108	170439@0733	170479@1157	171247@0931	172262@1034
Pump No. 2 Runtime (hrs)	160801@1108	161362@0733	161378@1157	161871@0931	162552@1034
Wet Well pH (grab sample field reading)	7.47	6.93	6.94	7.11	—
Valve Vault					
Pump No. 1 Operating Pressure (psi)	8	9.2	9.1	10	9.4
Pump No. 1 Flow Rate (gpm)	63	64	64	61	65
Pump No. 2 Operating Pressure (psi)	9	9.2	9.1	10	9.4
Pump No. 2 Flow Rate (gpm)	67	67	67	69	66
Flow Meter Vault					
Total Flow (gallons @ time)	43839602@1119	44415954@0734	44437676@1205	44933844@0955	45600659@1132
Jet Pump					
Line Pressure (psi)	0	0	0	0	0

COMMENTS

6/25/10 System not running on arrival. See system up + Down sheet. System running Normal upon departure.

7/1/10 System not Running upon Arrival - no alarm. See field notes.

7/7/10 System running normal upon Arrival + Departure.

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	7/19/10 RL	7/21/10 KS	7/30/10 KS	8/6/10 0830	8/12/10 0900
TIME	1230	0815	0815	KS	RS
EW-1					
Flow Rate (gpm)		32.0	33.4	31.5	32.2
Total Flow (gal)	7322003	07407352@0908	07683481@0843	07961326@1036	08280983@1001
Influent pH (grab sample field reading)		5.50	5.93	5.79	5.76
VFD Operating Frequency (Hz)		80.0	80.0	80.0	80.0
Pump Runtime (hrs @ time)	48327.35@1240	48371.66@0905	48515.41 @0841	48660.53@1035	48827.88@0955
~~Bicycle Pump Pressure Reading (psi)~~		—	—	—	—
~~Water Column Above Pump (ft H_2O)(psi x 2.31)~~		—	—	—	—
Routine Sampling Performed (YES/NO)		YES - 0927	NO	YES 1056	NO
EW-2					
Flow Rate (gpm)		5.3	5.2	4.7	5.1
Total Flow (gal)	1192682	1194067@0908	1196296@0841	1200716@1037	1205954@1001
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)	29627.25@1240	29671.57@0906	29739.37@0841	29884.54@1035	30058.9@0956
~~Bicycle Pump Pressure Reading (psi)~~		—	—	—	—
~~Water Column Above Pump (ft H_2O)(psi x 2.31)~~		—	—	—	—
Routine Sampling Performed (YES/NO)		YES @ 0940	NO	YES @ 1106	NO
Air Stripper					
Sump Level (inches)		6"	6"	6"	6"
Effluent pH (grab sample field reading)		6.89	6.99	7.11	7.08
Fresh Air Inlet Vacuum (in H_2O)		2	3	1.5	1.5
Blower Suction (in H_2O)		20.5	21	26.5	20.5
Blower Discharge (in H_2O)		24	22.5	24	24
Blower Runtime (hrs @ time)	37194.15@1240	37238.47@0906	37382.28@0841	37527.44 1035	37694.79@0956
Routine Sampling Performed (YES/NO)		YES @ 0950	NO	YES 1120	NO

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	7/15/10 PC	7/21/10 KS	7/30/10 KS	8/5/10	8/12/10 KS
TIME	1230	0815	0815	0830	0900
Vapor Phase Carbon					
Lead/Lag Unit					
Lead pressure Inlet/Outlet (psi)		24 / 18	22.5 / 18.5	24 / 18.5	24 / 18.5
Lead Total VOC Conc. Inlet/Outlet (ppm)		0.0 / 0.0	0.0 / 0.0	0.0 / 0.0	0.0 / 0.0
Lag pressure Inlet/Outlet (psi)		9 / 6	8.5 / 6	9 / 6	9 / 6
Lag Total VOC Conc. Inlet/Outlet (ppm)		0.0 / 0.0	0.0 / 0.0	0.0 / 0.0	0.0 / 0.0
Exhaust Flow Rate (scfm)		620	620	620	620
Exhaust Temperature (°F)		89°	88°	90°	84°
Wet Well					
Pump No. 1 Runtime (hrs)	17274.6 @1227	17296.9 @ 0906	17361.4 @ 0842	174338 1035	17517.0 @ 1000
Pump No. 2 Runtime (hrs)	16292.4 @1227	16309.9 @ 0907	16363.5 @ 0842	16420.1 1036	16488.8 @ 1000
Wet Well pH (grab sample field reading)		7.80	7.38	7.31	7.39
Valve Vault					
Pump No. 1 Operating Pressure (psi)		9.5	9.2	9.2	1.1 – 2
Pump No. 1 Flow Rate (gpm)		66	64	63	63
Pump No. 2 Operating Pressure (psi)		10	9.2	10.0	1.1 – 2
Pump No. 2 Flow Rate (gpm)		67	66	65	65
Flow Meter Vault					
Total Flow (gallons @ time)	45934965 @ 1233	46092591 @ 0917	46561984 @ 0905	47070847 @ 1048	47657248 @ 1013
Jet Pump					
Line Pressure (psi)		0	0	0	0

COMMENTS

Responding to Alarm / W. well Hi-level
Pumped down, Restarted

7/21/10 System running normal upon arrival - EW-2 has been shut down @ 1022

Pump Run Times hrs - 2967284
Totalizer # 1194/1158

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	8/19/10 KS	8/26/10 KS			
TIME	0815	0845			
EW-1					
Flow Rate (gpm)	33.7	29.9			
Total Flow (gal)	0859847 @ 0841	0892693 @ 0956			
Influent pH (grab sample field reading)	5.84	7.20			
VFD Operating Frequency (Hz)	80.0	80.0			
Pump Runtime (hrs @ time)	4899460 @ 0839	4916387 @ 0955			
Bicycle Pump Pressure Reading (psi)	—	—			
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—			
Routine Sampling Performed (YES/NO)	YES @ 0910	NO			
EW-2					
Flow Rate (gpm)	5.0	0.0 / 6.5 min			
Total Flow (gal)	1211898 @ 0841	1212675 @ 0956			
Influent pH (grab sample field reading)	6.24	7.51			
VFD Operating Frequency (Hz)	60.0	60.0			
Pump Runtime (hrs @ time)	3021861 @ 0839	3038788 @ 0955			
Bicycle Pump Pressure Reading (psi)	—	—			
Water Column Above Pump (ft H_2O)(psi x 2.31)	—	—			
Routine Sampling Performed (YES/NO)	YES - 0930	NO			
Air Stripper					
Sump Level (inches)	6"	6"			
Effluent pH (grab sample field reading)	7.18	8.39			
Fresh Air Inlet Vacuum (in H_2O)	2	2.5			
Blower Suction (in H_2O)	20.5	21			
Blower Discharge (in H_2O)	24	24			
Blower Runtime (hrs @ time)	3786151 @ 0839	3803078 @ 0955			
Routine Sampling Performed (YES/NO)	YES - 0958	NO			

FRANKLIN CLEANERS SITE, NYSDEC SITE No. 1-30-050
SYSTEM MONITORING LOG

DATE	8/19/10 KS	8/26/10 KS			
TIME	0815	0845			
Vapor Phase Carbon					
Lead/Lag Unit					
Lead pressure Inlet/Outlet (psi)	24 / 18.5	24 / 19			
Lead Total VOC Conc. Inlet/Outlet (ppm)	0.8 / 0.7	0.0 / 0.0			
Lag pressure Inlet/Outlet (psi)	9 / 6	9 / 6			
Lag Total VOC Conc. Inlet/Outlet (ppm)	0.7 / 0.6	0.0 / 0.0			
Exhaust Flow Rate (scfm)	620	620			
Exhaust Temperature (°F)	89°	85°			
Wet Well					
Pump No. 1 Runtime (hrs)	175993 @ 0839	176830 @ 0955			
Pump No. 2 Runtime (hrs)	165521 @ 0840	166197 @ 0956			
Wet Well pH (grab sample field reading)	7.41	8.89			
Valve Vault					
Pump No. 1 Operating Pressure (psi)	1.8	1.9			
Pump No. 1 Flow Rate (gpm)	65	62			
Pump No. 2 Operating Pressure (psi)	1.9	1.9			
Pump No. 2 Flow Rate (gpm)	66	65			
Flow Meter Vault					
Total Flow (gallons @ time)	48241055 @ 0851	48836423 @ 1022			
Jet Pump					
Line Pressure (psi)	-0-	-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
4/8/10 1057	4/8/10 1146	Blower maintenance	STANDARd. ON/off.	@shut DOWN 38065534 @ 1100
4/16/10 2115	4/17/10 0817	WW/ HH	Pump ww down Restart System	Down 38770828 up 38771496
4-21-10 0449	4-21-10 1021	WW HH	Pump W-W down Restart System	39097273
5/4/10 0510	5/4/10 1005	HH/WW alarm 3	Pump down wet well. Restart & Monitor	down 40183821
5/12/10 1230 am	5/12/10 1000	HH/WW Alarm 3	Pump down WW Restart	4688655
5/13/10 1400 pm	5/13/10 1427	F/S	cleaned Paddleson MS Flow Sensor @ EW-2 not working.	40934516
5/28/10 1145	5/28/10 @ 1215	MAINTENANCE	Flow Sensor EW-2 clean Inlet screen.	42198402
6/2/10 1239	6/2/10 @ 1340	? system off	upon arrival system not running/ Phone line down/ restart.	42603820 call for Phone Repair.
6/10/10 1151	6/10/10 @ 1155	CLEAN INLET SCREEN -		43878018
6/17/10 1303	6/17/10 @ 1414	MAINTENANCE	Blower/EW-2 Flow Sensor Inlet screen & Adjust Float Switches in WW.	43845805
6/22/10 0242	6/22/10 @ 1122	ALARM 3 HH/WW	Pump down RESTART	44229861
6/24/10 @ 1436	6/25/10 @ 0650	Alarm 3 HH/WW	Pump WW down & restart System.	44412578 @ 0644
	7/1/10 @ 1030		System not running on arrival. HH/WW.	44483339 @ 1010
7/7/10 @ 1100	7/1/10 @ 1123	WW Pump info		44937637
7-12-10 @ 0945	7-12-10 @ 1220	Wet well Pump Maintenance	Remove Pump Clean and Reinstall	45350332 @ 935

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 1030	7/19/10	Alarm w/ work	Pump down / Restarted	45934965 @ 1233
7/21/10 1022		REQUEST @ PM	EW-2 Shutdown	11941158
7/23/10 1323				07507601
	7/26/10 1315		RESTART SYSTEM	07507612 EW-1
	7/27/10 1410		restart EW-2	11941158 EW-2
7/30/10 0955	7/30/10 1045	MAINTENANCE		46564937
8/26/10 1035	8/26/10 1110	MAINTENANCE	FLOW SENSOR 2- CLEANING AIR INLET - CLEAN CHECK VALVE @ EW-2 INLET for Purge water	48837586
8/30/10 1915	8/31/10	Alarm-3	Pump Down WW / Restart Failure	49,202,338 System Off

ATTACHMENT E

ROUTINE MAINTENANCE SCHEDULE

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

Activity	6/1/2010 24th Qtr	7/1/2010 24th Qtr	8/1/2010 24th Qtr	9/1/2010 25th Qtr	10/1/2010 25th Qtr	11/1/2010 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

SAMPLE ID	SYSTEM INFLUENT (EW-1)	SYSTEM INFLUENT (EW-1)	SYSTEM INFLUENT (EW-1)	SYSTEM INFLUENT (EW-1)	SYSTEM INFLUENT (EW-1)	SYSTEM INFLUENT (EW-1)	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	
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)
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

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance

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

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

SAMPLE ID	SYSTEM INFLUENT (EW-2)	SYSTEM INFLUENT (EW-2)	SYSTEM INFLUENT (EW-2)	SYSTEM INFLUENT (EW-2)	SYSTEM INFLUENT (EW-2)	SYSTEM INFLUENT (EW-2)	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	
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)
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:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

ABBREVIATIONS:

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

QUALIFIERS:

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

SAMPLE ID	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	EFFLUENT LIMITATIONS	NYSDEC CLASS GA GROUNDWATER STANDARDS AND GUIDANCE VALUES
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER		
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)	(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	U	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

SAMPLE ID	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	SYSTEM EFFLUENT (AS-1)	EFFLUENT LIMITATIONS
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	
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:

ug/L: Micrograms per liter

QUALIFIERS:

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

SAMPLE ID	CARBON VESSEL NO. 1 INFLUENT	CARBON VESSEL NO. 1 EFFLUENT	CARBON VESSEL NO. 2 INFLUENT	CARBON VESSEL NO. 2 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

DATE OF SAMPLE COLLECTION	SYSTEM INFLUENT (EW-1) AVERAGE EXTRACTION RATE (gpm)	SYSTEM INFLUENT (EW-1) PCE CONCENTRATION (ug/l)	SYSTEM INFLUENT (EW-2) AVERAGE EXTRACTION RATE (gpm)	SYSTEM INFLUENT (EW-2) PCE CONCENTRATION (ug/l)	SYSTEM EFFLUENT (AS-1) PCE CONCENTRATION (ug/l)	PCE REMOVAL EFFICIENCY (%)	ESTIMATED AVERAGE PCE REMOVAL RATE[3] (lb/hr)	ESTIMATED SYSTEM RUNTIME (hr)	ESTIMATED CUMULATIVE PCE REMOVAL (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	40.6	13	5.4	61	< 0.5	99.37	4.29E-04	458	37.39
8/13/2009	40.4	13	5.3	51	< 0.5	99.33	3.98E-04	382	37.54
8/24/2009	40.2	11	5.3	50	< 0.5	99.25	3.54E-04	449	37.70 [1]
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	40.95

NOTES:

1. Estimated through the end of the reporting period.
2. Performance results for the reporting period are shaded.
3. Mass removal rate(lb/hr) = flow(gpm)*concentration(ug/l)*3.79(liters/gallon)*1E-6(g/ug)*2.2E-3(lb/g)*60(min/hr)

ABBREVIATIONS:

gpm: gallons per minute
ug/L: micrograms per liter
lb/hr: pounds per hour
NS: Not sampled

QUALIFIERS:

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	June 10, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 Metals: Iron and manganese by USEPA SW846 Method 6010B
Laboratory Report No:	220-12428 Date:6/24/2010

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:
Performance was acceptable.

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	June 25, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 Metals: Iron and manganese by USEPA SW846 Method 6010B
Laboratory Report No:	220-12625 Date:7/14/2010

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

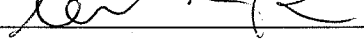
Comments:
Performance was acceptable.

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:
Performance was acceptable.

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	July 7, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/1
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 Metals: Iron and manganese 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					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.

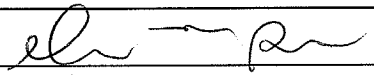
INORGANIC ANALYSES
Metals

	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:

Performance was acceptable.

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	July 21, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 Metals: Iron and manganese 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

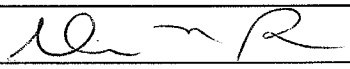
Comments:
Performance was acceptable.

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:
Performance was acceptable.

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	August 5, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT and subcontracted to Edison, NJ
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 (Edison, NJ) Metals: Iron and manganese 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:

Performance was acceptable.

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	August 19, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 Metals: Iron and manganese by USEPA SW846 Method 6010B
Laboratory Report No:	220-13123 Date:9/08/2010

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		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 .

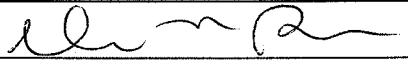
INORGANIC ANALYSES
Metals

	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:

Performance was acceptable.

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

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-08
Sample Date(s):	October 21, 2010
Matrix/Number of Samples:	Water/ 3 (EW-1, EW-2 and AS) Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): 40 CFR Part 136 method 624 Metals: Iron and manganese 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

	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
4. Field duplicates RPD					X

%R - percent recovery RPD - relative percent difference

Comments:
Performance was acceptable.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 12/8/2010
VALIDATION PERFORMED BY SIGNATURE: