



AUG 1 0 2007

330 Crossways Park Drive, Woodbury, New York 11797-2015 516-364-9890 • 718-460-3634 • Fax: 516-364-9045 e-mail: findingsolutions@db-eng.com

August 7, 2007

Principals

Nicholas J. Bartilucci, P.E. President

Henry J. Chlupsa, P.E. Executive Vice President

Steven A. Fangmann, P.E. Senior Vice President

Richard M. Walka Senior Vice President

John A. Mirando, P.E. Vice President

Garrett M. Byrnes, P.E. Vice President

Anthony O. Conetta, P.E. Vice President

Dennis F. Koehler, P.E. Vice President

Joseph H. Marturano Vice President

Kenneth J. Pritchard, P.E. Vice President

Theodore S. Pytlar, Jr. Vice President

Brian M. Veith, P.E. Vice President

Senior Associates

Thomas P. Fox, P.G. Robert L. Haynie, P.E. William D. Merklin, P.E. Michael Neuberger, P.E. Kenneth P. Wenz, Jr. C.P.G.

Associates

Joseph F. Baader Steven M. Cabrera Rudolph F. Cannavale Christopher M. Clement Ellen R. DeOrsay Stefanos J. Eapen, R.A. Joseph A. Fioraliso, P.E. Christopher W. Francis Michael R. Hofgren Sean Pepling, P.G. Edward J. Reilly Daniel Shabat, P.E. 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. 10 (December 1, 2006 through February 28, 2007) D&B No. 2531-03

Dear Mr. Long:

The purpose of this letter is to summarize the performance monitoring of the groundwater extraction and treatment system, located approximately 1 mile south/ downgradient of the Franklin Cleaners Site (see Attachment A, Figure 1). This performance monitoring report covers the period from December 1, 2006 through February 28, 2007. Presented below is a summary of system operations during the quarter, as well as the results of analytical testing completed, in accordance with the work plan for the referenced work assignment.

Groundwater Extraction and Treatment System Operations

During this period, extraction well EW-1 operated at an average pump rate of 39.4/gallons per minute. Extraction well EW-2 was not in operation for the duration of the quarter, due to an overload failure of variable frequency drive (VFD) No. 2. Under the new subcontract for maintenance services executed on November 12, 2006, Systematic Technologies diagnosed the problem with EW-2 on December 6, 2006 as a short circuit to the ground in the down-well/pump power cable assembly. After further review, a Scope of Work to pull the extraction well pump and replace it with a pump more suited for lower flow rates is currently being prepared to submit to the New York State Department of Environmental Conservation (NYSDEC) for review.

Approximately 5,391,739 gallons of treated groundwater, based on measurements recorded at the treatment system discharge flow meter, were discharged to the Nassau County Department of Public Works (NCDPW) storm sewer system. It is noted that this volume is in consistent with the influent flow meter which recorded approximate 4,944,154 gallons of groundwater entering the treatment system.

Mr. Payson Long Division of Environmental Remediation New York State Department of Environmental Conservation August 7, 2007

During this period, the groundwater extraction and treatment system was inoperative for a total of approximately 192 hours due to system alarm conditions and routine system maintenance. The "down time" was not consecutive and occurred over the course of the reporting period involving two alarm episodes and three maintenance events. A summary of system downtime is presented in Attachment B. Copies of routine system maintenance reports, as prepared by EnviroTrac, are presented in Attachment C.

Groundwater Extraction and Treatment System Sampling

Samples were collected from the EW-1 well influent line sample tap, as well as from the air stripper (liquid) discharge sample tap, at a frequency of twice per month during the months of this period. No samples were collected from extraction well EW-2 during the period as the extraction well was inoperable. Each sample was analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method OLMO4.2. The samples collected from the air stripper discharge sample tap were also analyzed for iron and manganese by USEPA Method 200.7 and for pH by USEPA Method 150.1.

Sample results are presented in Attachment D. The analytical results of samples collected from the system influent are compared to the NYSDEC Class GA groundwater standards and guidance values, and the analytical results of samples collected from the air stripper discharge are compared to the effluent limitations. As can be seen from the analytical results in Attachment D, extraction well EW-1 continues to extract tetrachloroethene (PCE) at concentrations ranging from a low of 13 micrograms per liter (ug/l) on February 23, 2007, to a high of 20 ug/l on December 28, 2006, which are both above the PCE Class GA groundwater standard of 5 ug/l. The discharge sample results for the period were all below the VOC effluent limitations and were also in compliance with the iron, manganese and pH effluent limitations.

Approximately 0.68 pounds of PCE were removed from the extracted groundwater by the low profile air stripper during the reporting period. The average PCE removal efficiency for this quarter was greater than 96 percent. Refer to Attachment E for a summary of the extraction and treatment system performance results since the system was placed in operation.

Vapor phase samples were collected from the two carbon adsorption unit influent and effluent sample taps at a frequency of once per week. Each sample was collected by filling a Tedlar bag directly from the sample taps and the samples were screened using a calibrated, handheld photoionization detector (PID). During the period, all PID readings collected at the carbon vessel outlets were 0.0 parts per million (ppm). Refer to Attachment D for results of vapor phase samples collected during the period.

Groundwater Quality Data

The network of downgradient groundwater monitoring wells was sampled to evaluate the effectiveness of the groundwater extraction and treatment system. Samples were collected from ASMW-1 on February 7, 2007 and from ASMW-2, ASMW-3, ASMW-4, ASMW-5, ASMW-6 and ASMW-7 on February 2, 2007. Samples were analyzed for VOCs by USEPA Method OLMO 4.2. The locations of the monitoring wells are shown in Figure 2 in Attachment A.

Page 2

Mr. Payson Long Division of Environmental Remediation New York State Department of Environmental Conservation August 7, 2007

The results of the analyses of the samples collected from the monitoring wells are presented in Attachment D and summarized on Figure 2 in Attachment A. The results are compared to the NYSDEC Class GA Groundwater Standards and Guidance Values. The concentration of PCE detected in the sample from monitoring well ASMW-1 decreased from 7 ug/l (November 27, 2006) to 3ug/l (February 7, 2007) and was below the groundwater standard for the first time during the monitoring period. The concentration of PCE detected in the sample from monitoring well ASMW-2 increased from 17 ug/l (November 27, 2006) to 23 ug/l (February 2, 2007). The detected concentration of PCE in the sample from monitoring well ASMW-3 continues to be below the standard, however, the detected concentration of toluene (9 ug/l) was above the standard. VOCs were not detected at concentrations above the standards or guidance values in the samples collected from groundwater monitoring wells ASMW-1, ASMW-4, ASMW-5, ASMW-6 and ASMW-7 during this period. Please refer to the trend line graphs provided in Attachment E, which summarize PCE concentrations detected in samples collected from ASMW-1, ASMW-2 and ASMW-3 since June 2003.

Data Validation

The biweekly system samples and groundwater samples have been analyzed for VOCs by Mitkem Corporation (Mitkem). The effluent sample (AS-1) was also analyzed for iron, manganese and pH. Mitkem is a New York State Department of Health Environmental Laboratory Approval Program-certified laboratory. The data packages submitted by Mitkem 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 as qualified below:

• All samples were analyzed within the method specified holding times and all QA/QC requirements (surrogate recoveries, calibrations, blanks, etc.) were met. No problems were noted with sample results and qualification of the data was not required.

Conclusions

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

- The analytical results of the system influent samples show that the extraction well EW-1 continues to capture VOC-contaminated groundwater.
- The analytical results of the liquid discharge samples show that the air stripper is effectively removing the captured VOCs and reducing concentrations to below the discharge criteria.
- The concentration of PCE detected in groundwater monitoring well ASMW-1 (3 ug/l) was below the standard for the first time during the historical monitoring period.

Page 3

Mr. Payson Long Division of Environmental Remediation New York State Department of Environmental Conservation August 7, 2007

• Concentrations of PCE detected in groundwater monitoring well ASMW-2 increased from 17 ug/l (November 27, 2006) to 23 ug/l (February 2, 2007) but continue to constitute a decreasing trend from a high of 69 ug/l (November 11, 2005).

Recommendations

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

- Continue operation of the groundwater extraction and treatment system to minimize downgradient migration of PCE, currently being captured by the system.
- Continue groundwater monitoring through the existing monitoring well network to determine contaminant concentration trends over time and to evaluate the continued effectiveness of the remediation system.
- Pull and replace extraction well EW-2 well pump. A scope of work to perform the work is currently being prepared to submit to the NYSDEC for review.

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

Very truly yours,

- Albert H. Jaroszewski Project Manager

AHJ/CM/lb.jmy,tp Attachments cc: J. Trad (NYSDEC) J. Neri (H2M) R. Walka (D&B) P. Martorano (D&B) • 2531\AHJ03287PL-LTR(R02)

ATTACHMENT A

FIGURES

+2531\AHJ03287PL-LTR





F:\2531\DWG\Quarterly Reports\Quarter 9\FIGURE 2.dwg, FIG 2, 04/12/07 01:58:09 PM, CMefford

ATTACHMENT B

DESCRIPTION OF SYSTEM ALARM CONDITIONS

•2531\AHJ03287PL-LTR

FRANKLIN CLEANERS SITE NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050 SUMMARY OF SYSTEM DOWNTIME

SHUT-OFF DATE/TIME	RESTART DATE/TIME	CAUSE FOR SHUTDOWN
12/2/06 3:00 AM	12/2/06 5:10 PM	Alarm Condition No. 4 - High wet well light on - well is not high - water level very low, on & off and low level lights on. MiniCas #1 and #2 reset, breaker reset, lights still on. Fill up wet well above low floats. Switch pumps to auto.
12/6/06 1:50 PM	12/6/06 4:30 PM	⁽¹⁾ Blower Maintenance - Performed routine blower maintenance and restarted extraction well pump EW-1 once maintenance was completed.
12/19/06 9:15 AM	12/19/06 1:30 PM	⁽¹⁾ Submersible Wet Well Pump Maintenance - Performed annual wet well pump maintenance. Also adjusted heights of wet well floats. Restarted EW-1 once maintenance was completed.
2/13/07 2:17 PM	2/13/07 3:10 PM	⁽¹⁾ Blower Maintenance - Performed routine blower maintenance and restarted extraction well pump EW-1 once maintenance was completed.
2/14/07 4:45 PM	2/15/07 3:40 PM	Alarm Condition No. 3 - High high wet well. Turn sump pump breaker on/off. Purge wet well. Turn system on.

NOTES:

1. Blower maintenance event performed by Systematic Technologies, Inc.

ATTACHMENT C

SYSTEM MAINTENANCE REPORTS

◆2531\AHJ03287PL-LTR

MAINTENANCE AND INSPECTION REPORT

FRANKLIN CLEANERS SITE, ROCKVILLE CENTRE, NY

Varme of Personnel Onsite Tri Luke Sorensen Pr	tle Time / esident 1330	\rrived		
Luke Sorensen Pr	resident 1330		Time Depart	ed Total Hour
Check off Items that were com			1630	3
Check off Items that were com				
Check off Items that were com				
	pleted:			
 ☐ Item 1: Snow Remova ☐ Item 2A: Pressure Blow ☐ Item 2B: Pressure Blow ☐ Item 3: Air Stripper Ma ☐ Item 4: Granular Activa ☐ Item 5: Submersible W ☐ Item 6: Non-routine Ma) wer Maintenance er Fan Wheel Replace intenance ated Carbon Removal a /et Well Pump Mainten aintenance	nent Ind Replacer ance and Ins	nent pection	
Description of Work:			_	· · · · · · · · · · · · · · · · · · ·
.) Pressure Blower Maintenar	nce.			
in down-weil pump mou	shower cable assertion	y. (' ' ' ' ' '	' 3 /	
		-	,	
Name of Part / Supply / Materia	al Manufacturer	Model I	Number	Quantity Used
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil	Model 1 Mobilith	Number SHC 100	Quantity Used
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil	Model f Mobilith	Number SHC 100	Quantity Used
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil	Model 1 Mobilith	Number SHC 100	Quantity Used 1
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil	Model I Mobilith	Number SHC 100	Quantity Used
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil	Model I Mobilith	Number SHC 100	Quantity Used 1
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil d Volume of Waste	Model I Mobilith	Number SHC 100 Al Facility & Address)	Quantity Used 1 Waste Transporte (Name & Address
Name of Part / Supply / Materia Grease	al Manufacturer ExxonMobil d Volume of Waste	Model I Mobilith	Number SHC 100 al Facility & Address)	Quantity Used 1 Waste Transporte (Name & Address

	IN CLEANER	S SITE, ROCK	VILLE CENTRI	E, NY	
Date: 12/19/06		····			
Name of Personnel Onsite	Title	Time Arrived	Time Depa	irted	Total Hou
Luke Sorensen (STI)	President	0910	~ 1400 -15	00	~ 5 hrs
Joseph Wood (GA Fleet)	lechnician	0910	1230		3 hrs, 20
Check off Items that were c	ompleted:				
☐ Item 3: Air Stripper ☐ Item 4: Granular Ad ☑ Item 5: Submersibl ☑ Item 6: Non-routine Description of Work:	Maintenance ctivated Carbon le Wet Well Pum Maintenance	Removal and Reprint Removal and Reprint Removal and Reprint Re	placement nd Inspection		
 Item 5: GA Fleet Purp Did not change pump oil changes at no add Item 6: STI re-zeroed Item 6: STI adjusted 	np, Inc. performa p oil as required. ditional charge. d air stripper flow settings of wet v	ed annual mainte A second visit w -meter (will not ir vell level switches	nance of Flygt wet rill be scheduled fo nvoice). s (will not invoice).	: well pun or 1Q '06	np assemt to comple
 Item 5: GA Fleet Purpoid not change pumpoil changes at no add Item 6: STI re-zeroed Item 6: STI adjusted 	np, Inc. performe p oil as required. ditional charge. d air stripper flow settings of wet v	ed annual mainte A second visit w -meter (will not ir vell level switches	nance of Flygt wet rill be scheduled fo nvoice). s (will not invoice). lodel Number	well pun or 1Q '06	np assemt to comple ity Used
 1.) Item 5: GA Fleet Purplic di not change pumplic i changes at no add 2.) Item 6: STI re-zeroed 3.) Item 6: STI adjusted Name of Part / Supply / Materia Description of Waste General	np, Inc. performe p oil as required. ditional charge. d air stripper flow settings of wet v	ed annual mainte A second visit w r-meter (will not ir vell level switches cturer N	nance of Flygt wet vill be scheduled fo voice). (will not invoice). lodel Number	Quant	np assemt to comple
 1.) Item 5: GA Fleet Purpoid not change pumpoil changes at no add 2.) Item 6: STI re-zeroed 3.) Item 6: STI adjusted Name of Part / Supply / Materia Description of Waste Generia	np, Inc. performe p oil as required. ditional charge. d air stripper flow settings of wet v terial Manufac	ed annual mainte A second visit w v-meter (will not ir vell level switches cturer N of Waste D (f	hance of Flygt wet rill be scheduled for nvoice). (will not invoice). Iodel Number isposal Facility Name & Address)	Quant Quant Waste (Name	np assemt to comple ity Used

MAINTENANCE AND INSPECTION REPORT

FRANKLIN CLEANERS SITE, ROCKVILLE CENTRE, NY

Date: 2/13/07								
Name of Personnel Onsite	Title	Time Arrived	Time Depar	rted	Total Hours			
L. Sorensen	Technician	1400	1530		1.5			
Check off Items that were co	mpleted:							
☐ Item 1: Snow Remo	oval							
De Item 2A: Pressure E	Blower Maintenanc	æ						
□ Item 2B: Pressure B	ower Fan Wheel F	Replacement						
□ Item 3: Air Stripper	Maintenance							
☐ Item 4: Granular Ac	tivated Carbon Re	moval and Replace	ement					
□ Item 5: Submersible	Wet Well Pump N	Naintenance and I	nspection					
L Item 6: Non-routine	Maintenance							
Description of MI also								
Description of Work:								
Performed Item 2A in accordance with section 3.3 of contract between engineer and contractor								
renormed tiem 2A in accordance with section 5.5 of contract between engineer and contractor:								
1) Inspected fan wheel for wear, corrosion and huildun – None seen								
2) Inspected V-belt for a	lignment and tensi	ion – Both within s	Dec					
3.) Inspected fasteners for	or tightness – All o	kav	P 00					
4.) Lubricated motor bear	rings (see below)							
Name of Part / Supply / Mate	erial Manufactu	rer Mode	Number	Quant	tity Used			
Bearing grease	Mobil	Mobi	ith SHC 100	Not m	easurable			
r				_				
			<u> </u>					
Description of Waste Genera	ited Volume of	Waste Dispo	sal Facility	Waste	: Transporter			
		(Nam	e & Address)	(Name	e & Address)			
		h						
in signing this report I hereby	/ certify that to the	Dest of my knowle	age the mainte	inance a	and Index contract			
Inspection activities performe	Partiluasi	L contorm to the re	quirements spe					
between STI and Dvirka and	Dartilucci	Signature / E	rint / Data	5/3				
		Julialuie / F	INICI DALC					

ATTACHMENT D

ANALYTICAL RESULTS

+2531\AHJ03287PL-LTR

.

SAMPLE TYPE WATER DATE OF COLLECTION 2/7/2007 DOINTECTED BY 2/88 UNITS 0.001 Chloromethane 0 U Vinyl chloride 0 U Vinyl chloride 0 U Vinyl chloride 0 U Trichloroethane 0 U 1.1-Dichloroethane 0 U 1.12-Trichloroethane 0 U 1.12-Trichloroethane 0 U 1.12-Trichloroethane 0 U 1.12-Trichloroethane 0 Methylacetate 0 Methylacetate 0 Methylere chloride 0 Methylere thoride 0	WATER 2/2/2007 0.88 0.88 0.00 0.0 0 0 0			ASMW-5	ASMW-6	ASMW-7	NYSDEC CLASS GA
Contraction Contraction Contrention <th>с с с (n8(F)) (n8(F))</th> <th>WATER</th> <th>WATER</th> <th>WATER</th> <th>WATER</th> <th>WATER</th> <th>STANDARDS AND GUIDANCE</th>	с с с (n8(F)) (n8(F))	WATER	WATER	WATER	WATER	WATER	STANDARDS AND GUIDANCE
UNITS Uchlorodiffuoromethane Chloromethane Chloromethane Uvinyl chloride Bromomethane Trichloroethane 1.1-Dichloroethane 1.1.2-Trichloro-1.2,2-triffuoroethane U 1.1.2-Trichloro-1.2,2-triffuoroethane U 1.1.2-Trichloro-1.2,2-triffuoroethane U Methyl acetate Methyl-tert butyl ether Wethyl-tert butyl ether		2/2/2007	2/2/2007	2/2/2007	2/2/2007	2/2/2007	
Dichlorodiffuoromethane Dichlorodiffuoromethane Chloromethane Chloromethane U Vinyl chloride U Dichloroethane U 1.1-Dichloroethane U 1.1-Dichloroethane U 1.1.2-Trichloro-1.2.2-triffuoroethane U Action disulfide U Action disulfide U Actionation disulfide U Methyl acetate U Methyl-tert butyl ether U Methyl-tert butyl ether						1249	
Chloromethane Vinyl chloride Bromomethane Chloroethane Trichloroethene 1.1.2-Trichloro-1.2.2-triftuoroethane Acetone Carbon disulfide Methyl acetate Methylacetate Methylere chloride Wethyl-tert butyl ether			(1,4%) (1)	(100) (100)	(ug/r)	(ug/r)	
viryr crionade Bromomethane Chloroethane 1.1-Dichloroethane 1.1.2-Trichloroe1.2.2-triftuoroethane 1.1.2-Trichloroe1.2.2-triftuoroethane Acetone Acetone Acetone Methyl acetate Methyl acetate Wethyl-tert butyl ether Wethyl-tert butyl ether		5	C	5		00	
Chloroethane Trichloroethane 1,1-Dichloroethane 1,1.2-Trichloroe1,2,2-trifluoroethane Acetone Carbon disulfide Carbon disulfide Methyl acetae Methyl acetae Methyl-tert butyl ether Wethyl-tert butyl ether	-	> =	⊃ =	> = 	5:	5:	2 ST
Trichlorofluoromethane U 1,1-Dichloroethene U 1,1,2-Trichloroe1,2,2-triffuoroethane U Acetone U Carbon disulfide U Methyl acetale U Methyl-tert butyl ether U Methyl-tert butyl ether U	- -	> =				> =	5 51
1,1-Dichloroethene U 1,1,2-Trichloro-1,2,2-trifluoroethane U Acetone Garbon disulfide U Methyl acetate U Methylere chloride U Methyl-tert butyl ether U)) 	> >				> =	-20 201
1,1.2-Trichloro-1.2.2-trifluoroethane U Acetone Carbon disulfide U Methyl acetiste U Methyl-tert butyl ether U Methyl-tert butyl ether U	Ð	5		2		> ⊃	551
Acetone Carbon disulfide Methyl acetate Methylene chloride trans 1,2-Dichloroethene Methyl-tert butyl ether	; 	5	Э	Þ	Ð		5 ST
Methyl acetate Methyl acetate Methylene chloride trans 1,2-Dichloroethene Methyl-tert butyl ether	> =	5 =	- -	 	⊃ :	- :	50 GV
Methylene chloride trans 1,2-Dichloroethene Methyl-tert butyl ether	-	o =	- =		- -	- -	60 60
trans 1,2-Dichloroethene U Methyl-tert butyl ether U	- C	o ⊐	> =	> =			
Methyl-tert butyl ether U		,))) 	> =) =	> =	
	0	5) ⊃		> ⊃	10 GV
1,1-Dichloroethane	2	D	5)	5	5	5 ST
cis-1,2-Dichloroethene	<u> </u>	5	>	5	5	5	5 ST
Z-Butanone U	-	5:	- :	5	5	5	50 GV
	-	5:	-	5	5	∍	7 ST
		-) :	-	כ:		5 ST
Oyuunaxarie Carbon tatrachloride	- c				5 :	- -	1
Benzene	> =	> =	o =	> =	5 =	> =	-20
1.2-Dichloroethane		> >			> =	> =	
Trichloroethene U	D	5	5	• ⊃		> ⊃	5.81
Methylcyclohexane	>	Э	Э	5	D	5	
1,2-Dichloropropane	> :			Þ	5	D	1 ST
	∍:	5:	2	2	>	∍	50 GV
cis-1,3-Dichioropropene	> =	- :	> :	⊃:	5:	⊃:	0.4 ST
			 -	5:	5 :) :	1
routere 2 - 0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	> =	7	ר ה	-	- :	- :	5 ST
1.1.2-Trichloroethane	> =	> =		> =	> =	> <u>-</u>	0.4 ST
Tetrachioroethene 3 J	23) > T-) – _	> =	> =	> =	101
2-Hexanone U	Þ				. =) =	
Dibromochloromethane			· -			> =	
1,2-Dibromoethane U	>	5	5	5			5.51
Chiorobenzene	>	>	5	5	D	5	5 ST
Ethylbenzene U	D :	⊃:		<u> </u>	2	D	5 ST
	> =	5 =		5:	⊃ :	⊃ : 	5 ST
Bromoform U	> =	> =	- c				5 51
	> =	> =	> =				20 00
1,1,2,2-Tetrachloroethane		> >		2	-	> =	- 000 - 200
1,3-Dichlorobenzene U	D	∍		5	00) -	351
1,4-Dichlorobenzene U	Þ	>	5	5	J	∍	3 S T
1,2-Dichlorobenzene	<u> </u>		5	D	J	5	3 ST
1,2-Dibromo-3-chloropropane 1.2.4.Trichlorobenzene	> =	> =	⊃ :	D :	- -	⊃:	0.04 ST
			5		5	5	000
	ABBREVIA HUNS:			<u>QUALIFIERS:</u>			

8/7/2007 9:57 AM

NYSDEC CONTRACT No. D004264 / SITE No. 1-30-050 RESULTS OF ANALYSIS OF EW-1 INFLUENT

	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM INFLUENT	
SAMPLE ID	(EW-1)	(EW-1)	_(EW-1)	(EW-1)	(EW-1)	(E <u>W-</u> 1)	CROUNDWATER
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	GROUNDWATER
DATE OF COLLECTION	12/15/2006	12/28/2006	1/7/2007	1/22/2007	2/7/2007	2/23/2007	
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	GUIDANCE VALUES
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs							
Dichlorodifluoromethane	U	U	- U	U	υ	U	5 ST
Chloromethane	U	U	U	U	U	U	
Vinyl chloride	U	U	U	U	U	U	2 ST
Bromomethane	U	U	U	υ	υ	U	5 ST
Chioroethane	U	U	U) U	Ú	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	U	U	U	U	U	U	5 ST
1,1,2-Trichloro-1,2,2-trifluoroethane	Ú Ú	U	Ŭ	Ū	Ū	U	5 ST
Acetone	Ŭ Ŭ	Ŭ	Ū	ŭ	Ŭ Ŭ	Ŭ	50 GV
Carbon disulfide	ŭ	ŭ	ũ	ů		i i	60 GV
Methyl acetate	Ŭ	U U	ŭ	U U	i i	U U	
Methylene chloride	ŭ	Ŭ	ŭ	U U	l ü	Ŭ	5.ST
trans 1.2-Dichloroethene	Ŭ	ŭ	u ü	l ü	l ü	ŭ	5.51
Methyl-tert butyl ether	Ŭ Ŭ	ů	U U		й Ц	i i	10 GV
1 1-Dichloroethane	ŭ	i i	l ü	1	Ű	Ŭ Ŭ	5 51
sis 1.2 Dichloroethene	Ŭ	Ŭ		l ñ		2 10	501 501
2 Butanono					0	2 30	551
Chloroform		U U					50 GV
1 1 1 Trichloroethane		U U	0				7 S I
Cyclobexape	i i	0					551
Carbon tetrapheride		0					
Danses		0					551
Benzene							
Trichleroothono			51				0.051
Methylavelebovene			55				551
	0		U U			U U	
1,2-Dichloropropane				0			151
Bromodicniorometnane							50 GV
cis-1,3-Dichloropropene							0.4 \$1
4-Methyl-2-pentanone							
Toluene		0					551
trans-1,3-Dicnioropropene							0.4 \$1
						0	151
	19		1/	18	19	13	551
2-Hexanone	U	U U		U	U		50 GV
Dibromochloromethane				0	U		50 GV
1,2-Dibromoethane		U U		0			551
Chlorobenzene	U	U	U	U		U	5 ST
Ethylbenzene	U	U	U	U	{ U	i u	5 ST
Xylene (total)	l u	U	0	U) U		5 ST
Styrene	U	U	U	U	U	U	5 ST
Bromoform	U U	0	U	U	U	U U	50 GV
Isopropylbenzene	l u	j u		U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	l U	U	U	l U	5 ST
1,3-Dichlorobenzene	l n	U	[U	U	L U	ļυ	3 ST
1,4-Dichlorobenzene	U	U U	U	U U	U	U	3 ST
1,2-Dichlorobenzene	U U	U U	U	U	U	U U	3 ST
1,2-Dibromo-3-chloropropane	U U	U U	U	U	U	U U	0.04 ST
1,2,4-Trichlorobenzene	U	<u> </u>	U	UU	U U	U	5 ST
NOTES:							
		VODICE VIVI 1043			WORLINERS.		

ST: Standard Value

GV: Guidance Value

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

1. EW-1 turned off on 11/15/05 due to a high load on the pump.

Pump scheduled to be pulled and cleaned at a future date.

Engwork:_HazWaste\2531 (NYSDEC - Franklin Cleaners Site)\Quarterly Reports\Quarter 9 (Sep 06 - Nov 06)\Quarter 10 Sampling Results

ug/L = Micrograms per liter

--: Not established

U: Compound analyzed for but not detected

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

B: Compound detected in method blank as well as

8/7/2007 9:57 AM

NYSDEC CONTRACT No. D004264 / SITE No. 1-30-050 NUTS OF ANALYSIS OF AIR STRIPPER EFFLUENT FOR V

Ownstrate ID Entruent (AS-1) Is OATE TYPE DATE TYPE Dichlorodifluoromethane U Vinyl chloride U Vinyl chloroethane U Trichloroftene U 1.1.2-Trichloroethane U 1.1.2-Trichloroethane U Acetona U Acetona U Dichloroethane U U U J.1.2-Dichloroethane U U U Dichloroethane U U U Trichloroethane U U U U U Dichloroethane U <th>EFELUENT (AS-1) WATER 12/28/2006 D&B (ug/L) U</th> <th>EFFLUENT (AS-1) WATER</th> <th>EFFLUENT (AS-1)</th> <th>EFFLUENT (AS-1) WATER</th> <th>EFFLUENT (AS-1) WATER</th> <th>EFFLUENT</th> <th></th>	EFELUENT (AS-1) WATER 12/28/2006 D&B (ug/L) U	EFFLUENT (AS-1) WATER	EFFLUENT (AS-1)	EFFLUENT (AS-1) WATER	EFFLUENT (AS-1) WATER	EFFLUENT	
Data Structure Table Data Structure 1 Data Structure 1 Dichlorodifluoromethane 1 Dichlorodifluoromethane 1 Dichlorodifluoromethane 1 Vinyl chloride 1 Vinyl chloride 1 Vinyl chloride 1 Vinyl chloromethane 1 Vinyl chloromethane 1 Vinyl chloromethane 1 Vinyl chloromethane 1 Vinsitia 1 Chloroethane 1 Acetone 1 Acetone 1 I.1.2-Trichloroethene 1 Methyl-tert butyl ether 1 Methyl-tert butyl ether 1 I.1.1-Dichloroethene 1 Methyl-tert butyl ether 1 I.1-Dichloroethane 1 I.1-Dichloroethane 1 I.1-Dichloroethane 1 I.1-Dichloroethane 1 I.1-Dichloroethane 1 I.1-Dichloroethane 1	WATER 12/28/2006 D&B (ug/L) U	WALEK		WATER	I WATER		
COLLECTED BY LMITS Lunits Dichlorodifluoromethane U U Vinyl chloride U U Chloroethane U U Trichlorofluoromethane U U Trichlorofluoromethane U U 1.1.2-Trichloro-1.2.2-trifluoroethane U U Acetona U U U	U D&B U U	2000/01/1		rocort o	1000,000,00		STANDARDS AND
UNITS (ug/L) Dichlorodifluoromethane U Vinyl chloride U Vinyl chloride U Sromomethane U Vinyl chloride U Bromomethane U Trichlorothuromethane U Trichlorothuromethane U 1.1.2.Trichlorothuro U 1.1.2.Trichlorothuro U 1.1.2.Trichlorothene U Methyleet U 1.1.5.Dichloroethene U Methyleet U 1.1.1.5.Trichloroethene U 1.1.1.1.Trichloroethene U 1.1.1.Trichloroethene U 1.1.2.Dichloroethene U 1.1.1.1.Trichloroethene U 2.2.Butanone U <td>(Tybn)</td> <td></td> <td></td> <td>2///2///</td> <td>2/23/2007</td> <td></td> <td>GUIDANCE VALUES</td>	(Tybn)			2///2///	2/23/2007		GUIDANCE VALUES
Dichlorodifluoromethane Chloromethane Vinyl chloride Bromomethane Chloromethane Trichlorothane Trichlorothane 1.1.2.Trichlorothane 1.1.2.Trichlorothane Methylene chloride Methylene chloride Methylene chlorothene Methylene chlorothene U Methylene chlorothene U Methylene chlorothene U Methylene chlorothene U Trichloroethane Carbon disuffide Methylexane U 1.1.2.Dichloroethane Carbon tarachloride Carbon terrachloride Carbon terra))	()/חוו/	(1/0/1)			1.1.1	
Chloromethane Viryl chloride Bromomethane Chloroethane Trichlorothuoromethane 1.1-Dichloroethane 1.1-Dichloroethane 1.1-Dichloroethane Methyl acetate Methyl acetate Methyl acetate Carbon disulfide Methyl acetate Methyl acetate U Methyl acetate U 1.1-Dichloroethane Carbon disulfide Methyl acetate U 1.1-Dichloroethane Carbon disulfide U 1.1-Trichloroethane Colloroformethane Carbon tetrachloride Benzene Trichloroethane Carbon tetrachloride Benzene Trichloroethane Carbon tetrachloride Benzene Trichloroethane Carbon tetrachloropene Carbon tetrachloropene Trichloroethane Carbon tetrachloropene Carbon tetrachloropene Trichloroethane Carbon tetrachloropene U Methyl-2-pentanone	,	11	11			(-1/gu)	
Viryl chloride Bromomethane Chloroethane Trichlorofluoromethane 1.1.2-Trichloro-1.2.2-trifluoroethane 1.1.2-Trichloro-1.2.2-trifluoroethane 1.1.2-Trichloro-1.2.2-trifluoroethane 1.1.2-Trichloro-1.2.2-trifluoroethane Carbon disulfide Methyl actatic Methyl-tert butyl ether Methyl-z-Dichloroethane Carbon terrachloride Benzene Cyclohexane 1.1.1.1-Trichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroptopane Denzene Cyclohexane U 1.2-Dichloroptopane U 1.2-Dichloroptopane U 1.2-Dichloroptopane U 1.2-Dichloroptopane U 1.2-Dichloroptopane U 1.2-Dichloroptopane	-	> =	> =	o =	> =	1	100
Bromomethane Chloroethane Trichlorofluoromethane 1.1.Dichloroethane 1.1.2-Trichloro-1.2,2-trifluoroethane 1.1.2-Trichloro-1.2,2-trifluoroethane 1.1.2-Trichloroethane Acetona Methyl acetate Methyl-tert butyl ether Methyl-tert butyl ether U U 1.1.Dichloroethane Carbon terrachloride Chloroform 1.1.1-Trichloroethane Chloroform Chloroethane Chloroform Chloroethane Chloroform Chloroethane Chloroform Chloroethane Chloroform Chloroethane		> =	> =	> =	> =	•	+ 3 C
Chloroethane Trichloroofluoromethane 1.1.Dichloroethane 1.1.2-Trichloro-1.2.2-trifluoroethane Acetona Carbon disulfide Methyl acetatide Methyl-tert butyl ether Methyl-tert butyl ether U U Trans 1.2-Dichloroethane Carbon terrachloride Chloroform 1.1.1-Trichloroethane Chloroform Carbon terrachloride Benzene Chloroethane Chloroethane Chloroethane Chloroethane Chloroethane Chloroethane Chloroethane Chloroethane Chloroform Carbon terrachloride Benzene U U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane Cyclohexane U 2.2-Dichloroethane Cyclohexane U 2.2-Dichloroethane Cyclohexane U 2.2-Dichloroethane U 2.3-Dichloroethane U 2.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroethane U 3.3-Dichloroetha	5	,	• ⊃		> =	1	5.51
Trichlorochtuoromethane U 1,1.2-Trichloro-1,2.2-triftuoroethane U 1,1.2-Trichloro-1,2.2-triftuoroethane U Carbon disuffde U Methylace chloride U Methylace thoride U 1,1.Dichloroethane U 2.Burtanone U 1,1.1-Trichloroethane U 1,1,1-Trichloroethane U Cyclothexane U 1,1,1.1-Trichloroethane U Cyclothexane U Methylcyclothexane U 1,1,1.1-Trichloroethane U 1,1,1.1.Trichloroethane U 1,1,1.1.Trichloroethane U 1,2-Dichloroethane U 1,1,1.1.Trichloroethane U 1,2-Dichloror	∍	Þ	5		,	:	5 ST
1,1-Dichloroethane U 1,1,2-Trichloroethane U 1,1,2-Trichloroethane U Carbon disulfide U Methyl acetate U Methylene chloride U 1,1-Dichloroethane U 1,1-Dichloroethane U 1,1-Dichloroethane U Chloroform U 1,1-Trichloroethane U Chloroform U 1,1-Trichloroethane U Chloroform U 1,1,1-Trichloroethane U Carbon tetrachloride U Benzene U Tichloroethane U	Ð	D	D	>	5	:	5 ST
1, 1, 2. Trichloro-1, 2, 2-trifluoroethane U Acetone U Carbon disufide U Methylacetae U 1.1-Dichloroethane U 1.1-Dichloroethane U Chloroform U 1.1.1.Trichloroethane U Chloroform U 1.1.1.Trichloroethane U Cyclohexane U Trichloroethane U Tarbon tatrachloride U Benzene U Trichloroethane U Trichloroethane U Tarbon tatrachloride U Tarbon tatrachoride U Trichloroethane U Trichloroethane U Trichloroethane U Tarbon tatrachoride U Tarbon tatrachoride U Tarboroethane U Tarboroethane U Tarboroethane U Tarboroethane U Tarboroethane	∍	þ	⊃)	;	5 ST
Acetone Carbon disufide Wethyl acetate Methyl-tert butyl ether Methyl-tert butyl ether Methyl-tert butyl ether U 1.1-Dichloroethene Chloroform Chloroform 1.1.1-Trichloroethene Cyclohexane Cyclohexane U 1.1.2-Dichloroethane U 1.2-Dichloroethane U 1.2-Dichloroethane Cyclohexane U 1.2-Dichloroethane U 1.2-Dichloroethane U 2.2-Dichloroethane U 1.2-Dichloroethane U 1.2-Dichloroethane U 2.2-Dichloroethane U 1.2-Dichloroethane U 2.2-Dichloroethane U 1.2-Dichloroethane U 2.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 3.2-Dichloroethane U 4.4-Dichloroethane	Ð	∍	5	5		:	5 ST
Carbon disulfide U Methyl acetate U Methyl acetate Methylene chloride U Trans 1.2-Dichloroethene U Methylene their U Methylene chloroethene Chloroform U 1.1-Dichloroethene cis-1.2-Dichloroethene Chloroform U Chloroform U U Cyclohexane U Cyclohexane U U 1.1.1.1.Tichloroethane U U Cyclohexane U U U Cyclohexane U U 1.2-Dichloroethane U U Benzene U U 1.2-Dichloroptopene U U 0.000 dichloromethane U 0 0.000 dichloromethane U 0.0000 dichloromethane U 0.000 dichloro	∍	∍	5	5		:	50 GV
Methyl acetate Methyl acetate trans 1,2-Dichloroethene Methyl-tert butyl ether Methyl-tert butyl ether U 1,1-Dichloroethane Cis-1,2-Dichloroethane Chloroform Chloroform Chloroform Chloroform Chloroethane Cyclohexane Benzene U 1,1,1-Trichloroethane U 1,1,1-Trichloroethane U Benzene U 1,2-Dichloroppane Methyl-2-pentanone U Bromodichloromethane U 2-Buthoroppane U 1,2-Dichloroppane U 2-Buthoroppane U 1,2-Dichloroppane U 2,2-Dichloroppane U 2,2-Dichloroppane U 2,2-Dichloroppane	∍	∍	5	5		;	60 GV
Methylene chloride trans 1,2-Dichloroethene Wethyl-tert butyl ether Wethyl-tert butyl ether U U U cis-1,2-Dichloroethene cis-1,2-Dichloroethane Chloroform	D	þ	Э	∍	∍	1	1
trans 1.2-Dichloroethene Methyl-tert butyl ether 1.1-Dichloroethane cis-1.2-Dichloroethane cis-1.2-Dichloroethane Choroform 1.1,1-Trichloroethane Cyclohexane Cyclohexane Berzene Berzene U 1.2-Dichloroethane U 1.2-Dichloropethane U	Ð	Þ	>	D	⊃ 	1	5 ST
Methyl-tert butyl ether 1.1-Dichloroethane (1.1-Dichloroethane (1.1.1-Trichloroethane Chloroform 1.1.1.1.Trichloroethane (1.1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.1.1.1.trichloroethane (1.2.1.5.1.trichloroethane (1.2.1.trichloroethane (1.	5	D))	5	1	5 ST
1,1-Dichloroethane U cis-1,2-Dichloroethane U Chloroform U 1,1,1-Trichloroethane U Cyclohexane U 1,1,1-Trichloroethane U Cyclohexane U 1,1,2-Dichloroethane U 1,1,1-Trichloroethane U 1,1,1-Trichloroethane U Cyclohexane U Trichloroethane U 1,2-Dichloroethane U Trichloroethane U Tochloroethane U 1,2-Dichloromethane U Methyl/cyclohexane U 1,2-Dichloromethane U 1,2-Dichloromethane U 1,2-Dichloromethane U 1,2-Dichloromethane U 1,2-Dichloromethane U	5	D	>	D	Э	1	10 GV
cis-1,2-Dichloroethene U 2-Butanona U Chloroform U 1,1,1-Tichloroethane U Cyclohexane U Cyclohexane U Cyclohexane U 1,2-Dichloroethane U Methylcyclohexane U 1,2-Dichloromethane U Remodichloromethane U Bromodichloromethane U Cis-1,3-Dichloropropene U	∍	D	∍	D	D	10	5 ST
2-Butanone Chloroform Chloroform Cyclohexane Cyclohexane Cyclohexane Carbon latrachloride Benzene 1,2-Dichloroethane Trichloroethane Methylcyclohexane U Bronodichloromethane Cis-1,3-Dichloroppene U Bronodichloromethane U Bronodichloromethane U Hethyl-2-pentanone	5	D	D	Э	3 JB	10	5 ST
Chloroform 1,1,1-Trichloroethane Carbon tetrachloride Benzene 1,2-Dichloroethane Trichloroethane 1,2-Dichloropropane Bromodichloromethane 2,2-Dichloropropene 1,2-Dichloropropene Cis-1,3-Dichloropropene U 4-Methyl-2-pentanone	∍	∍	D)	∍	I	50 GV
1,1,1-Trichloroethane U Cyclohexane U Carbon tetrachloride U Benzene U 1,2-Dichloroethane U Trichloroethane U Methylcyclohexane U Bromodichloromethane U Romodichloromethane U P-Methyl-2-pentanone U	∍	Ð	>	<u> </u>)	1	7 ST
Cyclohexane Carbon tetrachloride Benzene 1.2-Dichloroethane Trichloroethane Methylcyclohexane 1.2-Dichloropropane Bromodichloromethane U Bromodichloromethane U 4-Methyl-2-pentanone	5	D	D	5	>	10	5 ST
Carbon tetrachloride U Benzene U 1.2-Dichlorcethane U Methylcyclohexane U 1.2-Dichloropane U Bromodichloropane U Bromodichloropane U Cis-1,3-Dichloropane U	-	0)	⊃ 	5	;	1
Benzene U 1.2-Dichloroethane U Trichloroethane U Methylcyclohexane U 1.2-Dichloroponale U Bronodichloromethane U Bronodichloromethane U 4-Methyl-2-pentanone U	D	∍	D	<u> </u>	0	;	5 ST
1,2-Dichloroethane U Trichloroethane U Methylcyclohexane U 1,2-Dichloroppane U Bromodichloromethane U Siron-odichloromethane U A+Methyl-2-pentanone U	>	∍	∍	5	·	1	151
Trichloroethene Methylcyclohexane 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene 4-Methyl-2-pentanone U	D	D	5	⊃)	ı	0.6 ST
Methylcyclohexane U 1,2-Dichloropropane U Bromodichloromethane U cis-1,3-Dichloropropene U 4-Methyl-2-pentanone U	Ъ	۲ 6	∍	⊃ 	D	10	5 ST
1,2-Dichloropropane U Bromodichloromethane U cis-1,3-Dichloropropene U 4-Methyl-2-pentanone U	∍	∍)))	•	
Bromodichloromethane cis-1,3-Dichloropropene 4-Methyl-2-pentanone U	∍	∍	⊃)		1	1 ST
cis-1,3-Dichloropropene 4-Methyl-2-pentanone U	D	∍	D	∍	∍	1	50 GV
4-Methyl-2-pentanone	∍	∍	5	>	D	;	0.4 ST
	ב ב) :	: c	⊃	Þ	ł	:
	⇒ :	5		>	⊃	;	5 ST
trans-1,3-Dichloropropene	→ :))	D	5	:	0.4 ST
	-) :	- :	⊃:)	1	1 ST
	> =	> =	> :	⊃:) :	2	5 ST
Dibromochloromethane	> =	o =	> =	> =	D =	I	50 67
1.2-Dibromoethane	> =	> =	> =	-		1	2500
Chlorobenzene	> ⊃	> =	> =	> =			100
Ethylbenzene U U	D	D		• ⊃	> ⊃	1	5.57
Xylene (total) U	Э	D	2	5	⊃ 	1	5 ST
Styrene	⊃ .	∍	∍	>	>	1	5 ST
	⊃ :	ב ב	D :	⊃ : 	⊃ :	ł	50 GV
	> =	5 =		> : 		ı	5 ST
	> =	> =	> =	> =	<u> </u>	1	5 ST
	> =	> =	> =		> =	:	125
1.2-Dichlorobenzene		> =	> =	> =	= 	1	105
1.2-Dibromo-3-chloropropane) =	> =	> =	> =	> =	ł	-00
1,2,4-Trichlorobenzene	, D) –	,			1 1	0.04 01 5 ST
NOTES:	ABBREVIATIONS			OITAL IEIEDS.			
		5.10°.10					
	ug/L = Micrograms p	erliter SI: Stand	lard Value	U: Compound analy	/zed for but not detect	ed	
Groundwater Standards of Guidance Vaiues	-: Not established	GV: Guid	ance Value	 J: Compound found 	at a concentration belo	ow CRDL, value es	timated

Engwork: _HazWaste\2531 (NYSDEC - Franklin Cleaners Site)\Quarterly Reports\Quarter 9 (Sep 06 - Nov 06)\Quarter 10 Sampling Results

f NYSDEC CONTRACT No. D004264 / SITE No. 1-30-050 RESULTS OF ANALYSIS OF AIR STRIPPER EFFLUENT IRON, MANGANESE AND pH

2

	SYSTEM			SYSTEM	SYSTEM	SYSTEM	
	WATER	WATER	WATER	WATER	WATER	WATER	EEELIENT LIMITATIONS
	12/15/2006	12/29/2007	1/7/2007	1/22/2007	2/7/2007	2/22/2007	ET EOENT EMITATIONS
	<u> </u>	12/20/2007	<u></u> D:P		2///2007	2/23/2007	
		(Ug/L)	(ug/L)	(ug/L)			
	250 8	151 8	520 B	21 2 8	266 8	32.1 8	
Manganese	20.90	130 B	33.0 B	21.5 D 30.0 B	35.0 B	3/9 8	1000
all (S (1)	74	76	75	73	76	7 /	65 to 8 5
	7.4	<u>430 B</u> 7.6	41.2 B 7.5	7.3	7.6	7.4	6.5 to 8.5

ug/L: Micrograms per liter

B: Concentration is greater than the instrument detection limit (IDL) but less than the Contract Required Detection Limit (CRDL)

*: Result qualified as suspect based on validation criteria.

	NYSDEC CO VA	FRANKLIN CLEANERS SITE INTRACT No. D004446 / SITE N POR PHASE SAMPLE RESULT	o. 1-30-050 S	
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	D&B	D&B	D&B	D&B
UNITS	(ppm)	(ppm)	(ppm)	(ppm)
DATE OF COLLECTION	PID Reading	PID Reading	PID Reading	PID Reading
12/4/2006	0.0	0.0	0.0	0.0
12/15/2006	0.0	0.0	0.0	0.0
12/19/2006	0.0	0.0	0.0	0.0
12/28/2006	0.0	0.0	0.0	0.0
1/2/2007	0.0	0.0	0.0	0.0
1/7/2007	0.0	0.0	0.0	0.0
1/15/2007	0.0	0.0	0.0	0.0
1/22/2007		0.0	0.0	0.0
1/20/2007	0.0	0.0	0.0	0.0
1/29/2007	0.0	0.0	0.0	. 0.0
2///2007	0.0	0.0	0.0	0.0
2/15/2007	0.0	0.0	0.0	0.0
2/23/2007	0.0	0.0	0.0	0.0
2/26/2007	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). * Sample not taken due to sporadic and inconsistent readings from PID, possibly due to very cold weather and possible condensation on the bulb.

ATTACHMENT E

PERFORMANCE SUMMARY

•2531\AHJ03287PL-LTR

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

	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM INFLUENT	SYSTEM EFFLUENT		ESTIMATED	ESTIMATED	ESTIMATED
	(EW-1) AVERAGE	(EW-1) PCE	(EW-2) AVERAGE	(EW-2) PCE	(AS-1) PCE	PCE REMOVAL	AVERAGE PCE	SYSTEM	CUMULATIVE PCE
DATE OF SAMPLE	EXTRACTION RATE	CONCENTRATION	EXTRACTION RATE	CONCENTRATION	CONCENTRATION	EFFICIENCY	REMOVAL RATE	RUNTIME	REMOVAL ⁽²⁾
COLLECTION ⁽¹⁾	(gpm)	(ug/l)	(gpm)	(ug/l)	(ug/l)	(%)	(lb/hr)	(hr)	(lbs)
3/7/2005	35.8	41	2.8	290 D	< 0.5	99.15	1.14E-03	154	22.48
3/21/2005	36.6	34	3.0	190 D	< 0.5	98.91	9.09E-04	227	22.68
4/5/2005	35.8	29	3.2	190	< 0.5	98.82	8.24E-04	282	22.91
4/19/2005	35.6	33	2.7	210 D	< 0.5	98.90	8.72E-04	337	23.21
5/2/2005		31	2.6	230 D	< 0.5	98.87	8.61E-04	310	23.48
5/16/2005	37.0	33	2.4	220	< 0.5	98.87	8.76E-04	710	24.10 (4)
6/6/2005	34.7	27	2.8	190	< 0.5	98.72	7.36E-04	74	24.15
6/20/2005	36.9	32	2.6	150 D	< 0.5	98.74	7.87E-04	279	24.37
7/5/2005	35.7	26	2.5	220 E	<u> </u>	97.42	7.19E-04	358	24.63
7/25/2005		26	2.2	180 D	< 0.5	98.56	6.70E-04	392	24.89
8/8/2005		21 B	2.7	120 B	< 0.5	98.21	5.43E-04	239	25.02
8/31/2005	35.3	24	2.5	180	< 0.5	98.54	6.50E-04	525	25.36
9/12/2005	38.0	21	2.4	170	< 0.5	98.33	6.04E-04	192	25.48
9/26/2005	37.0	26	2.0	160 D	< 0.5	98.48	6.42E-04	310	25.68
10/10/2005		19	2.0	160	< 0.5	<u>98.10</u>	5.08E-04	313	25.84
10/24/2005	37.4		2.4	150	< 0.5	98.42	6.30E-04		26.03
11/8/2005	37.8	26	2.6	190 D	< 0.5	98.63	7.40E-04	306	26.25
11/21/05(5)	37.8	26	2.0	200	< 0.5	98.56	4.92E-04 2.00E-04	<u>136 507</u>	26.42 (4)
12/5/2005	0.0	NS	1.6	170	< 0.5	99.71	1.36E-04	106	26.44
12/21/2005	0.0	NS	3.0	140	< 0.5	99.64	2.10E-04	241	26.49
1/4/2006	0.0	NS	2.8	180	< 0.5	99.72	2.52E-04		26.57
1/24/2006	0.0	<u>NS</u>	2.8	<u>160</u>	< 0.5	99.69	2.24E-04	462	26.68
2/6/2006	0.0	<u>NS</u>	2.4	160	< 0.5	99.69	<u>1.92E-04</u>		26.73
2/21/2006	0.0	NS	3.1	180	< 0.5	99.72	2.79E-04	425	26.73 (4)
3/7/2006	0.0	NS	2.9	140	< 0.5	99.64	2.03E-04	154	26.77
3/22/2006	0.0		3.0	160	< 0.5	99.69	2.402-04	361	26.85
4/3/2006	0.0	110	2.8	02	<u> </u>	99.39	1.15E-04		20.89
4/18/2006		NS	2.9	120	< 0.5	99.58	1.74E-04		26.95
5/9/2006	0.0	<u>NS</u>		100	< 0.5	99.50	1.55E-04	481	27.02
5/22/2006	0.0		3.0	130	< 0.5	99.62	1.95E-04		27.09
6/5/2006		<u>NS</u>	2.6	120	< 0.5	99.58	1.50E-04		27.14
7/6/2006	0.0		2.1	110	< 0.5	99.00	1.02E-04		27.19
7/6/2006	0.0			120	0.5	99.00	1.055.04		27.24
0/10/2006	29.0		3.0		< 0.5	99.02	1.952-04		27.01
9/12/2006	30.9	23	0.0		< 0.5	97.03			27.50
9/25/2006		23	0.0		< 0.5	97.03	4.43E-04	169	27.50
10/2/2000	20.9	22	0.0		< 0.5	07.73	4.495.04	225	27.30
10/10/2006	39.0	24	0.0		< 0.5	07.02	4.302-04		27.796
11/13/2006	33.2	<u>24</u>	0.0		< 0.5	97,92	2.41E.04	200	27.00
11/13/2000					< 0.5	97.06	3.50E-04		
12/15/2000	90.9					07 27	374504	981	20.12
12/20/2000	4+0 M	20	0.0	ANS ANS		07.50	A 120104	300	28.34
1/7/0007	20.24	17	0.0	NR	< <u>c</u> 0.6	97.00	2005.04	244 **	20,04
4/02/2007	200	40	0.0	NIC	205	07.00	2545 04	200	20.44
0/7/0007	370	10	- 0.0 	Ne	205	07.22	364504	205	20,00
2///2007	01.0	13	0.0			31.31	0.010404	000	20.00
212312007	30.9	13-22	UU	NS	SU.5		1 2.4VE-04	409	20:00

NOTES:

ABBREVIATIONS:

QUALIFIERS:

1. Data from 9/23/03 through 8/25/04 reported by URS Corporation.

2. PCE removal calculations as of September 9, 2003 system start-up date.

3. Performance results for the reporting period are shaded.

4. Estimated through the end of the reporting period.

5. Results show removal efficiency and runtimes for both EW-1 and EW-2

gpm: gallons per minute ug/L: micrograms per liter lb/hr: pounds per hour NS: Not sampted D: Result taken from reanalysis at a secondary dilution

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

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

E: Compound concentration exceeds instrument calibration range, value estimated

ATTACHMENT F

MONITORING WELL TREND LINE GRAPHS

◆2531\AHJ03287PL-LTR



Engwork:_HazWaste\2531 (NYSDEC - Franklin Cleaners Site)\Quarterly Reports\Quarter 9 (Sep 06 - Nov 06)\Quarter 10 Sampling Results

8/7/2007 9:57 AM



Franklin Cleaners Site NYSDEC Contract No. D004446 / Site No. 1-30-050 Groundwater Monitoring Well ASMW-2





Engwork: HazWaste\2531 (NYSDEC - Franklin Cleaners Site)\Quarterly Reports\Quarter 9 (Sep 06 - Nov 06)\Quarter 10 Sampling Results

8/7/2007 9:57 AM