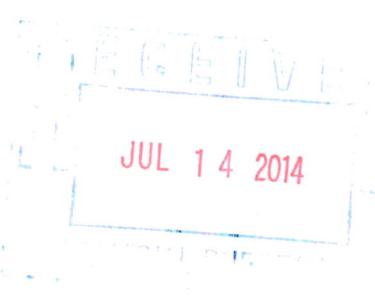




Certified Mail # 7012 3050 000 4697 2385
Via email to jldyber@gw.dec.state.ny.us

July 10, 2014

Mr. Jeffrey Dyber, P.E.
NYSDEC, Remedial Bureau A
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015



Re: Progress Report: June 2014
Frost Street Sites: Site ID #s 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Dyber:

Walden Associates (Walden) is pleased to submit the Progress Report for the above-referenced Site for work completed in June 2014.

Work Completed in June 2014

SVE/AS System O&M

Refer to Appendix A for a summary of SVE/AS System O&M procedures. During periodic O&M visits, system parameters were logged on dedicated O&M log forms (Refer to Appendix B).

- Periodic SVE/AS remedial system O&M was conducted.
- Repair and maintenance tasks were completed as needed to ensure proper operation of the SVE/AS system.
- Periodic monitoring of individual SVE well lines and combined effluent flow at the interior system sampling ports for VOC concentrations utilizing a calibrated PID was conducted.
- Periodic PID readings of the influent and effluent sampling ports for the on-site SVE system vapor phase granular activated carbon (GAC) treatment vessels were taken.
- Spent vapor phase GAC totals to date are summarized in Table C-1 in Appendix C.
- Quantitative sampling of the influent and effluent SVE system air flow was conducted with one liter summa canisters for TO-15 analysis on June 26, 2014. The sample results for the June 26th sampling event are not yet available and will be presented in the next monthly report.
- The laboratory analytical data report for the May 29, 2014 quantitative sampling event is attached in Appendix D.

July 10, 2014

Mr. Jeffrey Dyber, P.E.

- 2 -

NYSDEC



Quarterly/Annual Groundwater Monitoring

- The second quarter 2014 groundwater sampling event (8 monitoring wells) was conducted on June 24 and 25, 2014.

89 Frost Street Site Source Area

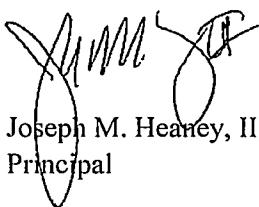
- The “Proposed Source Zone Treatment System Optimization” proposal was modified in accordance with the NYSDEC May 13, 2014 response letter and resubmitted on June 19, 2014.

Upcoming Work

- Monthly operation and maintenance visits to monitor SVE system parameters will be completed.
- Monthly individual SVE well line and combined effluent flow monitoring at the interior system sampling ports for VOC concentrations utilizing a calibrated PID will be completed.
- Monthly readings of the sampling ports at the influent and effluent points of the GAC system with a PID will be taken.
- Monthly quantitative sampling of influent and effluent SVE system air for analysis will be completed.
- The June 2014 quarterly groundwater sampling analytical data shall be validated and submitted to NYSDEC per the Electronic Data Deliverable (EDD) requirements when available for review and processing from the laboratory.

Please contact Kristin Scroope or me if you have any questions or require additional information.

Very truly yours,
Walden Associates



Joseph M. Hearney, III P.E.
Principal

cc: A. Tamuno, Esq.
G. Bobersky
J. Nealon
J. DeFranco
H. Szenicer, Esq.
C. Anderson
K. Maldonado, Esq.
J. Privitera, Esq.
J. LaPoma, USEPA
C. Wise, Ensafe

Appendix A

Summary of SVE/AS System O & M Procedures

Frost Street Sites - Site ID #s1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Summary of SVE/AS System O&M Activities

During periodic O&M visits, system parameters were logged on dedicated O&M log forms (Refer to Appendix B). The following summarizes SVE/AS system O&M procedures:

Periodic SVE/AS Remedial System O&M

- All SVE well lines and the combined effluent air flow were monitored at the interior system sampling ports for volatile organic compounds (VOCs) using a calibrated photo-ionization detector PID to assess the remedial performance of the SVE/AS system.
- Mechanical checks of the SVE/AS system were performed periodically in accordance with the O&M Manual maintenance schedule.

Vapor Phase Granular Activated Carbon Treatment System Monitoring

- Monthly readings at the influent and effluent sampling ports were made with a calibrated PID to check the GAC system to detect carbon breakthrough. Qualitative VOC monitoring with a PID was utilized to record the performance of the GAC absorption system.
- PID-recorded VOC concentrations (reported in calibrant-gas-equivalents) were used to determine when the GAC in the lead unit requires replacement. The flow from the SVE lines to the lead carbon unit was typically changed to a new lead unit when the intermediate VOC reading is 25 percent or greater of the influent VOC concentration.
- Refer to Appendix C for a log of spent GAC totals to date.

Appendix B

SVE/AS System O & M Log Forms

Frost Street Sites - Site ID #s1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

O & M CHECKLIST FOR SVE/AIR SPARGE SYSTEM
101 Frost Street, Westbury, New York

Inspected By: TMJ / AMD			Date: 6/26/2014		Weather: Cloudy @ 82° F				
Arrival Time:	8:30		SVE 1 Clock: 35152.00		AS 1 Clock: 25020.3				
Departure Time:	10:15		SVE 2 Clock: 36854.7		AS 2 Clock: 15147.3				
CONTROL PANEL		Arrival		Departure			AIR SPARGE SYSTEM		
AS System		On		On			Cleaned Particulate Filter		Yes
SVE System		On		On			Drained Filter/collector 1		Yes
Surge Protection		Lit		Lit			Drained Filter/collector 2		Yes
Lightning Protection		White		White			Compressor Discharge Pressure		psi
Sensaphone		On		On			Compressor Holding tank Pressure		75 psi
PID		ppm range	ppb range				SVE SYSTEM		
Calibrated		Yes	--				Knockout Tank Level		<50 gallons
Concentration:	100 ppm	-- ppb					Knockout Discharge to Sewer		0 gallons
Carbon Vessels		Pre-Carbon PID		Post Carbon PID		Bypassed	Monitoring Well Depth to Water Readings (feet)		
Carbon Vessel 1	-- ppm	-- ppb	--	ppm	-- ppb		2a	50.82	
Carbon Vessel 2	0.0 ppm	12500 ppb	0.0	ppm	67 ppb	No	4a	49.99	
Carbon Vessel 3	-- ppm	-- ppb	--	ppm	-- ppb	Yes	6a	46.41	
SVE WELL READINGS (INSIDE TRAILER)									
SVE	Velocity		Flow		Vacuum		PID Concentration		
V1	7500	FPM	--	scfm	48	inch H ₂ O	7	ppm	22,700 ppb
V2	5000	FPM	--	scfm	50	inch H ₂ O	2.9	ppm	37,500 ppb
V3a	4700	FPM	--	scfm	40	inch H ₂ O	0.0	ppm	6075 ppb
V3	5500	FPM	--	scfm	42	inch H ₂ O	0.0	ppm	18,500 ppb
V4	4600	FPM	--	scfm	40	inch H ₂ O	0.0	ppm	1271 ppb
V6	3800	FPM	--	scfm	40	inch H ₂ O	0.0	ppm	665 ppb
V5	3600	FPM	--	scfm	41	inch H ₂ O	0.0	ppm	1013 ppb
V7	3600	FPM	--	scfm	42	inch H ₂ O	0.0	ppm	268 ppb
Pre-Knockout Port					3.0	inch Hg vac	0	ppm	12,500 ppb
SVE Flow Rate	4200	FPM	--	scfm					
AS WELL READINGS (INSIDE TRAILER)									
AS WELL #	Pressure		Air Flow		AS WELL #	Pressure			
AS Well #1	16	psi	15	SCFM	AS Well #16	16	psi	6	SCFM
AS Well #2	15	psi	12	SCFM	AS Well #12	0	psi	0	SCFM
AS Well #4	15.5	psi	10	SCFM	AS Well #10	0	psi	0	SCFM
AS Well #3	15.5	psi	6	SCFM	AS Well #13	0	psi	0	SCFM
AS Well #5	15.5	psi	10	SCFM	AS Well #14	15	psi	15	SCFM
AS Well #7	15.5	psi	10	SCFM	AS Well #18	16	psi	15	SCFM
AS Well #9	15.5	psi	10	SCFM	AS Well #17	16	psi	12	SCFM
AS Well #8	15	psi	12	SCFM	AS Well #15	16	psi	12	SCFM
AS Well #6	15	psi	11	SCFM	AS Well #19	15	psi	10	SCFM
AS Well #11	15.5	psi	5	SCFM					
NOTES									
0931 Collected Influent 06262014 air sample in canister 1SC01034									
0925 Collected Effluent 062962014 air sample in canister 1SC00930.									
Air Sparge regulator pressure: 35 psi									
AS Compressor #1 Running Upon Arrival									

Appendix C

Log of Spent Vapor Phase GAC Totals to Date

Frost Street Sites - Site ID #s1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Frost Street Sites
Westbury, New York

Table C1
Spent Vapor Phase GAC Totals

Date of Transport from Site	Spent GAC Weight (pounds)	Carbon Facility	RCRA Facility #
January 19, 2006	7,500	Giant Resource Recovery-Sumter Inc.	SCD036275626
February 2, 2006	11,441	Envirotrol Inc.	PAD987270725
April 7, 2006	6,486	Envirotrol Inc.	PAD987270725
August 25, 2006	5,923	Envirotrol Inc.	PAD987270725
December 5, 2006	5,691	Envirotrol Inc.	PAD987270725
2006 Total	37,041		
March 30, 2007	6,913	Envirotrol Inc.	PAD987270725
September 20, 2007	6,164	Envirotrol Inc.	PAD987270725
2007 Total	13,077		
January 16, 2008	8,750	Siemens Water Technologies	PAD987270725
April 29, 2008	7,814	Siemens Water Technologies	PAD987270725
September 12, 2008	5,469	Siemens Water Technologies	PAD987270725
2008 Total	22,033		
January 28, 2009	7,004	Siemens Water Technologies	PAD987270725
June 4, 2009	6,814	Siemens Water Technologies	PAD987270725
December 8, 2009	6,924	Siemens Water Technologies	PAD987270725
2009 Total	20,742		
June 3, 2010	7,207	Siemens Water Technologies	PAD987270725
2010 Total	7,207		
January 19, 2011	7,102	Siemens Water Technologies	PAD987270725
2011 Total	7,102		
January 25, 2012	7,394	Siemens Water Technologies	PAD987270725
2012 Total	7,394		
July 1, 2013	6,757	Siemens Water Technologies	PAD987270725
2013 Total	6,757		
March 11, 2014	8,023	Siemens Water Technologies	PAD987270725
2014 Total	8,023		
Project Total	129,376		

Appendix D

SVE System Influent/Effluent Sampling (TO-15)

Laboratory Analytical Results (on CD)

Frost Street Sites - Site ID #s1-30043 I, L, M

New Cassel Industrial Area, Westbury, New York