

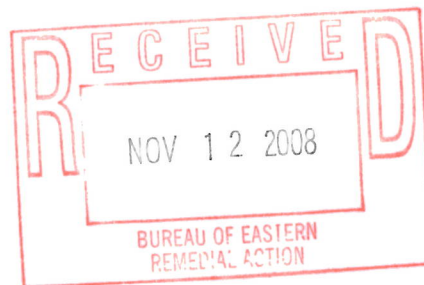


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Via e-mail 11/10/08 to J. Dyber
Certified Mail # 7008 1300 0002 2211 6010

November 10, 2008



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

Re: Progress Report: October 2008
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.

October Work Completed

The following tasks were completed in October 2008:

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).

- Monthly SVE/AS remedial system O&M.
- Monthly individual SVE well lines and combined effluent flow monitoring at the interior system sampling ports for VOC concentrations utilizing a calibrated PID.
- Monthly PID readings of the sampling ports at the GAC system influent and effluent points.
- Quantitative sampling of influent and effluent SVE system air flow conducted on October 20, 2008. Results of quantitative sampling with one liter summa canisters for TO-15 analysis are summarized in Table D-1 in Appendix D.
- Annual maintenance of the SVE/AS system was performed on October 1-3, 2008.

November Work Items

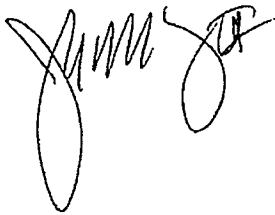
The following is a list of work scheduled to be completed during the month of November:

SVE/AS System O&M

- Monthly operation and maintenance visits to monitor SVE system parameters.
- Monthly individual SVE well line and combined effluent flow monitoring at the interior system sampling ports for VOC concentrations utilizing a calibrated PID.
- Monthly readings of the sampling ports at the influent and effluent points of the GAC system with a PID.
- Quantitative sampling of influent and effluent SVE system air for analysis scheduled for November 17, 2008.
- 3rd quarter 2008 groundwater monitoring sampling event (annual sampling of 29 Site related wells – completed in September 2008) results will be presented in a forthcoming quarterly groundwater monitoring report following receipt, evaluation, and data validation of quarterly groundwater sample analysis.

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

Very truly yours,
Walden Associates



Joseph M. Heaney, III P.E.
Principal

cc: A. Tamuno, Esq.
G. Bobersky
G. Litwin
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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:	GLW & EJJ	Date:	10/15/2008	Weather:	Mostly Sunny ~60F
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Arrival Time:	730	SVE 1 Clock:	144799	SVE 2 Clock:	119568
Departure Time:		SVE 1 Clock:		SVE 2 Clock:	

CONTROL PANEL	Arrival	Departure
AS System	On	On
SVE System	On	On
Surge Protection	Lit	Lit
Lightning Protection	White	White
Sensaphone	On	On

AIR SPARGE SYSTEM	
Cleaned Particulate Filter	No
Drained Filter/collector 1	
Drained Filter/collector 2	
Compressor Discharge Pressure	30 psi
Compressor Holding tank Pressure	100 psi

PID	
Calibrated	No
Concentration:	ppm

SVE SYSTEM	
Knockout Tank Level	Empty gallons
Knockout Discharge to Sewer	NA gallons

Carbon Vessels	Pre-Carbon PID	Post Carbon PID	Bypassed
Carbon Vessel 1	ppm	ppm	No
Carbon Vessel 2	ppm	ppm	
Carbon Vessel 3	ppm	ppm	

Monitoring Well Depth to Water Readings	
2a	
4a	
6a	

SVE WELL READINGS (INSIDE TRAILER)								
SVE	Velocity 1		Velocity 2		Vacuum 1		Vacuum 2	
V1	8400	FPM	8400	FPM	50	inch H ₂ O	50	inch H ₂ O
V2	5700	FPM	5700	FPM	54	inch H ₂ O	54	inch H ₂ O
V3a	4900	FPM	4900	FPM	46	inch H ₂ O	46	inch H ₂ O
V3	6000	FPM	6000	FPM	45	inch H ₂ O	45	inch H ₂ O
V4	5000	FPM	5000	FPM	45	inch H ₂ O	45	inch H ₂ O
V6	4100	FPM	4100	FPM	44	inch H ₂ O	44	inch H ₂ O
V5	3550	FPM	3550	FPM	46	inch H ₂ O	46	inch H ₂ O
V7	3450	FPM	3450	FPM	45	inch H ₂ O	45	inch H ₂ O
Pre-Knockout Port					4	inch Hg vac	4	inch Hg vac
SVE Flow Rate	4300	FPM	4300	FPM				

AS WELL READINGS (INSIDE TRAILER)											
AS WELL #		Pressure 1 / 2		Air Flow 1 / 2		AS WELL #		Pressure 1 / 2		Air Flow 1 / 2	
AS Well #1		17.5 / 17 psi		3 / 3.5 SCFM		AS Well #16		18.5 / 17.5 psi		3.0 / 3.0 SCFM	
AS Well #2		18.25 / 17.25 psi		2.5 / 3.5 SCFM		AS Well #12		19 / 18.5 psi		-- SCFM	
AS Well #4		17.75 / 17.5 psi		4.0 / 4.0 SCFM		AS Well #10		19.25 / 19 psi		-- SCFM	
AS Well #3		18 / 17.25 psi		4 / 4.5 SCFM		AS Well #13		19 / 18.5 psi		-- SCFM	
AS Well #5		17.5 / 17 psi		4.5 / 5 SCFM		AS Well #14		18.25 / 17 psi		3.5 / 4 SCFM	
AS Well #7		17.25 / 17 psi		4 / 4.25 SCFM		AS Well #18		17.25 / 16.75 psi		4.5 / 4.5 SCFM	
AS Well #9		17 / 17 psi		7.5 / 7.25 SCFM		AS Well #17		19 / 17.75 psi		2.0 / 4.0 SCFM	
AS Well #8		16.5 / 16.25 psi		5.0 / 5.0 SCFM		AS Well #15		18.25 / 17.5 psi		6.5 / 6.5 SCFM	
AS Well #6		17.5 / 17 psi		5.0 / 5.0 SCFM		AS Well #19		17 / 16.5 psi		4 / 3.5 SCFM	
AS Well #11		17 / 16.75 psi		3.5 / 3 SCFM							

NOTES
AS-2 fault upon arrival - switch AS#1 on and collect readings, then turn system off and tighten AS 6, 7, 9, and 10 well caps and re-tape them
Turn system back on and collect readings again - no "hissing" sound from AS caps=tight=ok
Hand checked AS#2 - ok - no faulting

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

Inspected By:	GLW & LPL	Date:	10/20/2008	Weather:	Mostly Sunny ~60F
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Arrival Time:	1530	SVE 1 Clock:	145153	SVE 2 Clock:	120185
Departure Time:		SVE 1 Clock:		SVE 2 Clock:	

CONTROL PANEL	Arrival	Departure
AS System	On	On
SVE System	On	On
Surge Protection	Lit	Lit
Lightning Protection	White	White
Sensaphone	On	On

AIR SPARGE SYSTEM	
Cleaned Particulate Filter	No
Drained Filter/collector 1	Yes
Drained Filter/collector 2	Yes
Compressor Discharge Pressure	30 psi
Compressor Holding tank Pressure	90 psi

PID	
Calibrated	Yes
Concentration:	100 ppm

SVE SYSTEM	
Knockout Tank Level	Empty gallons
Knockout Discharge to Sewer	NA gallons

Carbon Vessels	Pre-Carbon PID	Post Carbon PID	Bypassed
Carbon Vessel 1	4.5 ppm	21.0 ppm	No
Carbon Vessel 2	2.2 ppm	0.0 ppm	No
Carbon Vessel 3	ppm	ppm	Yes

Monitoring Well Depth to Water Readings	
2a	
4a	
6a	

SVE WELL READINGS (INSIDE TRAILER)							
SVE	Velocity		Flow	Vacuum		PID Concentration	
V1	8250	FPM	scfm	48	inch H ₂ O	28.1	ppm
V2	5500	FPM	scfm	52	inch H ₂ O	41.4	ppm
V3a	4800	FPM	scfm	44	inch H ₂ O	2.2	ppm
V3	6000	FPM	scfm	42	inch H ₂ O	14.2	ppm
V4	4800	FPM	scfm	42	inch H ₂ O	1.3	ppm
V6	4000	FPM	scfm	42	inch H ₂ O	3.7	ppm
V5	3500	FPM	scfm	44	inch H ₂ O	0.6	ppm
V7	3400	FPM	scfm	42	inch H ₂ O	0.6	ppm
Pre-Knockout Port					inch Hg vac	17.2	ppm
SVE Flow Rate	4200	FPM	scfm				

AS WELL READINGS (INSIDE TRAILER)					
AS WELL #	Pressure	Air Flow	AS WELL #	Pressure	Air Flow
AS Well #1	15.5 psi	3.5 SCFM	AS Well #16	16 psi	3 SCFM
AS Well #2	16 psi	3.5 SCFM	AS Well #12	17.5 psi	-- SCFM
AS Well #4	16.25 psi	4.5 SCFM	AS Well #10	17.5 psi	-- SCFM
AS Well #3	16.5 psi	4.5 SCFM	AS Well #13	18 psi	-- SCFM
AS Well #5	16 psi	4.5 SCFM	AS Well #14	15.5 psi	3.5 SCFM
AS Well #7	16 psi	4 SCFM	AS Well #18	15.75 psi	4.5 SCFM
AS Well #9	16 psi	7 SCFM	AS Well #17	16.5 psi	4 SCFM
AS Well #8	15 psi	5 SCFM	AS Well #15	16 psi	7 SCFM
AS Well #6	16 psi	4.5 SCFM	AS Well #19	15.75 psi	3.5 SCFM
AS Well #11	16 psi	3 SCFM			

NOTES
AS#2 fault upon arrival
Effluent 10/20/08 sample collected at 1620
Influent 10/20/08 sample collected at 1637

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
<i>2006 Total</i>	<i>37,041</i>		
March 30, 2007	6,913	Envirotrol Inc.	PAD987270725
September 20, 2007	6,164	Envirotrol Inc.	PAD987270725
<i>2007 Total</i>	<i>13,077</i>		
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
<i>2008 Total</i>	<i>22,033</i>		
Project Total	72,151		

Appendix D

Summary of SVE System Influent/Effluent Results (TO-15)

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

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 1
SUMMARY OF SVE SYSTEM INFLUENT/EFFLUENT AIR SAMPLE RESULTS (TO-15)

Target Compound	Influent									
	10/23/2006	12/7/2006	1/18/2007	4/4/2007	4/27/2007	5/16/2007	6/15/2007	7/18/2007	8/15/2007	10/10/2007
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Vinyl Chloride	460u	430u	0.25u	60.2U	60.2U	23.5U	1.22U	1.22U	1.22U	ND
1,1-Dichloroethene	710u	670u	0.39u	43.7U	43.7U	11.0U	1.01U	1.01U	1.01U	ND
trans-1,2-Dichloroethene	710u	670u	0.39u	49.7U	49.7U	12.5U	0.66U	0.66U	0.66U	ND
1,1-Dichloroethane	730u	690u	0.40u	42.6U	42.6U	10.5U	0.85U	0.85U	0.85U	ND
cis-1,2-Dichloroethene	710u	670u	0.36u	63.6U	63.6U	16.0U	1.27U	1.27U	1.27U	ND
1,1,1-Trichloroethane	980u	930u	0.53u	82.0U	82.0U	15.0U	1.64U	1.64U	1.64U	ND
1,1,2-Trichloroethane	2,703	3,200	110	1,480	4,690	1,120	1,35U	1,35U	1,35U	330
1,1,2-Trichloroethene	980u	930u	0.53u	68.4U	12.5U	1.37U	1.37U	1.37U	1.37U	ND
1,1,2,2-Tetrachloroethane	190,000	180,000	10,000	129,000	116,000	13,700	145,000	37,500	13,500	92,000
1,1,2,2-Tetrachloroethene	1200u	1,200u	0.67u	53.4U	53.4U	12.5U	1.07U	1.07U	1.07U	ND
1,2-Dichloroethene (total)	710u	670u	0.39u	50.7U	50.7U	12.5U	0.87U	0.87U	0.87U	ND

Target Compound	Effluent									
	10/19/2006	12/7/2006	1/18/2007	4/4/2007	4/27/2007	5/16/2007	6/15/2007	7/18/2007	8/15/2007 *	9/26/2007
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Vinyl Chloride	0.51u	0.51u	0.51u	1.20U	1.20U	0.47U	1.22U	1.22U	1.22U	ND
1,1-Dichloroethene	0.79u	0.79u	0.79u	0.87U	0.87U	0.22U	1.01U	1.01U	1.01U	ND
trans-1,2-Dichloroethene	0.79u	0.79u	0.79u	0.99U	0.99U	0.25U	0.99U	0.99U	0.99U	ND
1,1-Dichloroethane	0.81u	0.81u	0.81u	0.85U	0.85U	0.21U	0.85U	0.85U	0.85U	ND
cis-1,2-Dichloroethene	0.79u	0.79u	0.79u	1.27U	1.27U	0.32U	1.27U	1.27U	1.27U	ND
1,2-Dichloroethane	0.81u	0.81u	0.81u	6.98U	6.98U	1.72U	1.01U	1.01U	1.01U	ND
1,1,1-Trichloroethane	1.1u	1.1u	1.1u	1.64U	1.64U	0.30U	1.64U	1.64U	1.64U	ND
Trichloroethene	4.1	1.4	1.1u	1.35U	16.6	2.75	1.35U	3,000	3,000	ND
1,1,2-Trichloroethane	1.1u	1.1u	1.1u	1.37U	1.37U	0.25U	1.37U	1.37U	1.37U	690
Tetrachloroethene	55	26	8.8	54.4	196	2.84	1,680	107	9,580	25
1,1,2,2-Tetrachloroethane	1.4u	1.4u	1.4u	1.07U	1.07U	0.25U	1.07U	1.07U	1.07U	ND
1,2-Dichloroethene (total)	0.79u	0.79u	0.79u	1.01U	1.01U	0.25U	0.87U	0.87U	0.87U	ND

SGC = short-term guideline concentration

u = compound not detected at concentration above the listed reporting limit

U = compound not detected at concentration above the Method Detection Limit (MDL)

ND = Compound was analyzed for but not detected above the laboratory reporting limit.

10/23/06 - 1/18/07 results analyzed by Severn Trent Laboratories

4/4/07 - 8/15/07 data analyzed by United Chemists

9/26/07 to present data analyzed by Columbia Analytical Services

Note: Lower concentrations detected on 1/18/07, 5/16/07, 7/18/07, 8/15/07 likely due to Air Sparging System component fault - System temporarily down around time of sampling event.

* Effluent sample secured post primary carbon vessel

** Suma canister leaked after filling

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 1 (cont.)
SUMMARY OF SVE SYSTEM INFLUENT/EFFLUENT AIR SAMPLE RESULTS (TO-15)

Target Compound	Influent								
	1/21/2008**	2/28/2008	3/20/2008	4/30/2008	5/28/2008	6/27/2008	7/23/2008	8/20/2008	9/29/2008
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	220
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	1,500	840	1,100	850	1,200	4.1	1,400	1,300
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	9.4	80,000	65,000	60,000	61,000	58,000	ND	57,000	73,000
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND

Target Compound	Effluent									
	NYSDC DAR-1 SGC	1/21/2008	2/28/2008	3/20/2008	4/30/2008	5/28/2008	6/27/2008	7/23/2008	8/20/2008	9/29/2008
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Vinyl Chloride	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	none	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene		ND	16	49	49	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	68,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	54,000	ND	17	480	480	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	none	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,000	15	580	7,000	1,700	49	4.1	ND	12	4.7
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	none	ND	ND	ND	ND	ND	ND	ND	ND	ND

SGC = short-term guideline concentration

u = compound not detected at concentration above the listed reporting limit

U = compound not detected at concentration above the Method Detection Limit (MDL)

ND = Compound was analyzed for but not detected above the laboratory reporting limit.

10/23/06 - 1/18/07 results analyzed by Severn Trent Laboratories

4/4/07 - 8/15/07 data analyzed by United Chemists

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Note: Lower concentrations detected on 1/18/07, 5/16/07, 7/18/07, 8/15/07 likely due to Air Sparging System component fault - System temporarily down around time of sampling event.

* Effluent sample secured post primary carbon vessel.

** Suma canister leaked after filling