



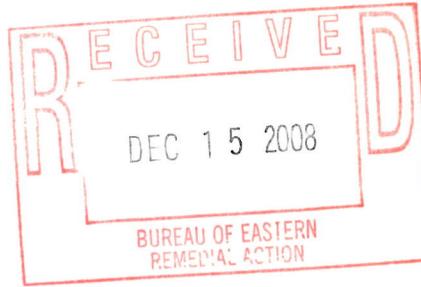
WALDEN ASSOCIATES

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Via e-mail 12/10/08 to J. Dyber
Certified Mail # 7008 1140 000 1771 8320

file

December 10, 2008



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

Re: Progress Report: November 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.

November Work Completed

The following tasks were completed in November 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 November 17, 2008. Results of quantitative sampling with one liter summa canisters for TO-15 analysis are summarized in Table D-1 in Appendix D.

December Work Items

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

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 December 22, 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.
- 4th quarter 2008 groundwater monitoring sampling event (quarterly sampling of 8 Site related wells) scheduled to begin the week of December 8, 2008.

GCW System

Full remedial design containing plans and specifications for construction of the in-well stripping systems to be submitted to NYSDEC by December 28, 2008 in accordance with the dispute resolution decision received on September 29, 2008.

Mr. Jeffrey Dyber, PE
New York State Department of Environmental Conservation
December 10, 2008

-3-

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
A. Cava
J. Nealon
R. Weitzman
D. Engel, Esq.
H. Szenicer, Esq.
F. Werfel
K. Maldonado

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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	Date:	11/17/2008	Weather:	Sunny ~42F																																																																								
Arrival Time:	800	SVE 1 Clock:	SVE 2 Clock:																																																																										
Departure Time:		SVE 1 Clock:	SVE 2 Clock:																																																																										
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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 I
SUMMARY OF SVE SYSTEM INFLUENT/EFFLUENT AIR SAMPLE RESULTS (TO-15)

Influent		Target Compound											
		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	10/19/2007	11/19/2007	12/18/2007
Vinyl Chloride	460u	430u	0.25u	60.2U	60.2U	23.5U	1.22U	1.22U	1.22U	ND	ND	ND	ND
1,1-Dichloroethene	710u	670u	0.39u	43.7U	43.7U	11.0U	1.01U	1.01U	1.01U	ND	ND	ND	ND
trans-1,2-Dichloroethene	710u	670u	0.39u	49.7U	49.7U	12.5U	0.99U	0.99U	0.99U	ND	ND	ND	ND
1,1,1-Dichloroethane	730u	690u	0.40u	42.6U	42.6U	10.5U	0.85U	0.85U	0.85U	ND	ND	ND	ND
cis-1,2-Dichloroethene	710u	670u	0.39u	63.6U	63.6U	16.0U	1.27U	1.27U	1.27U	ND	ND	ND	ND
1,2-Dichloroethane	730u	690u	0.40u	34.9U	34.9U	86.0U	1.01U	1.01U	1.01U	ND	ND	ND	ND
1,1,1-Trichloroethane	980u	930u	0.53u	82.0U	82.0U	15.0U	1.64U	1.64U	1.64U	ND	ND	ND	ND
Trichloroethylene	2,700	3,200	110	1,480	4,690	1,120	1.33U	1.35U	1.35U	1,900	1,100	970	330
1,1,2-Trichloroethane	980u	930u	0.53u	68.4U	68.4U	12.5U	1.37U	1.37U	1.37U	ND	ND	ND	ND
Tetrachloroethylene	190,000	180,000	10,000	129,000	116,000	13,700	145,000	37,500	13,500	92,000	73,000	62,000	27,000
1,1,2,2-Tetrachloroethane	1200u	1,200u	0.67u	53.4U	53.4U	12.5U	1.07U	1.07U	1.07U	ND	ND	ND	ND
1,2-Dichloroethene (total)	710u	670u	0.39u	50.7U	50.7U	12.5U	0.87U	0.87U	0.87U	ND	ND	ND	ND

Effluent		Target Compound													
		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	*	10/19/2007	11/19/2007	12/18/2007
Vinyl Chloride	180,000	0.51u	0.51u	0.51u	1.20U	1.20U	0.47U	1.22U	1.22U	1.22U	ND	ND	ND	ND	ND
1,1-Dichloroethene		0.79u	0.79u	0.79u	0.87U	0.87U	0.22U	1.01U	1.01U	1.01U	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		0.79u	0.79u	0.79u	0.99U	0.99U	0.25U	0.99U	0.99U	0.99U	ND	ND	ND	ND	ND
1,1-Dichloroethane	none	0.81u	0.81u	0.81u	0.85U	0.85U	0.21U	0.85U	0.85U	0.85U	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene		0.79u	0.79u	0.79u	1.27U	1.27U	0.32U	1.27U	1.27U	1.27U	ND	ND	ND	ND	ND
1,2-Dichloroethane		0.81u	0.81u	0.81u	6.98U	6.98U	1.72U	1.01U	1.01U	1.01U	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	68,300	1.1u	1.1u	1.1u	1.64U	1.64U	0.30U	1.64U	1.64U	1.64U	ND	ND	ND	ND	ND
Trichloroethylene	54,000	4.1	1.4	1.1u	1.35U	16.6	2.75	1.35U	1.35U	3,000	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	none	1.1u	1.1u	1.1u	1.37U	1.37U	0.25U	1.37U	1.37U	1.37U	ND	ND	ND	ND	ND
Tetrachloroethylene	1,000	55	26	8.8	54.4	196	2.84	1,680	107	9,580	25	9.2	21,000	ND	ND
1,1,2,2-Tetrachloroethane	1.4u	1.4u	1.4u	1.07U	0.25U	1.07U	1.07U	1.07U	1.07U	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	none	0.79u	0.79u	0.79u	1.01U	1.01U	0.25U	0.87U	0.87U	0.87U	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 Seven 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 Spraying 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
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	1,500	840	1,100	850	1,200	4,1	1,400
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	9.4	80,000	65,000	60,000	61,000	58,000	57,000	73,000
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	ND	ND	ND	ND	ND	ND	ND	ND

Target Compound	Effluent							
	NYSDEC DAR-1 SGC	1/21/2008	2/28/2008	3/20/2008	4/30/2008	5/28/2008	6/27/2008	7/23/2008
Vinyl Chloride	180,000	ND						
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	none	ND						
cis-1,2-Dichloroethene	ND	16	49	49	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	68,000	ND						
Trichloroethylene	54,000	ND	17	480	ND	ND	ND	ND
1,1,2-Trichloroethane	none	ND						
Tetrachloroethylene	1,000	15	580	7,000	1,700	49	4,1	12
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	none	ND						

SGC = short-term guideline concentration

ND = 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