WALDEN ASSOCIATES

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Via e-mail 10/10/08 to J. Dyber
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October 10, 2008

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

Re: Progress Report: September 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.

September Work Completed

The following tasks were completed in September 2008:

SVE/AS System Carbon Changeout, Groundwater Sampling, and 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).

- A carbon changeout for all three vessels of the on-site SVE/AS system was completed on September 12, 2008.
- 3rd quarter 2008 groundwater monitoring sampling event (annual sampling of 29 Site related wells) was completed September 15-26, 2008.

- 2nd quarter 2008 groundwater monitoring sampling results submitted to NYSDEC in a quarterly groundwater monitoring report dated September 17, 2008.
- 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 September 29, 2008. Results of quantitative sampling with one liter summa canisters for TO-15 analysis are summarized in Table D-1 in Appendix D.

Groundwater Circulation Well System Design

Received Dispute Resolution decision from Sal Ervolina of the NYSDEC, dated September 25, 2008 on September 29, 2008 which requires submittal of a remedial design that includes treatment of contaminated groundwater from the water table to 250 feet below ground surface within 90 days of receipt of the decision.

October Work Items

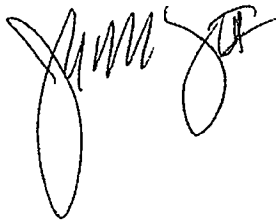
The following is a list of work scheduled to be completed during the month of October:

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 October 20, 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

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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:	9/29/2008	Weather:	Mostly Sunny ~70F

Arrival Time:	1600	SVE 1 Clock:	143138	SVE 2 Clock:	117974
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	100	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	21.0	ppm	0.0	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		Flow	Vacuum		PID Concentration	
V1	8000	FPM	scfm	47	inch H_20	36.0	ppm
V2	5400	FPM	scfm	51	inch H_20	40.1	ppm
V3a	4700	FPM	scfm	42	inch H_20	4.9	ppm
V3	5500	FPM	scfm	42	inch H_20	29.5	ppm
V4	4800	FPM	scfm	42	inch H_20	3.1	ppm
V6	3900	FPM	scfm	41	inch H_20	0.9	ppm
V5	3400	FPM	scfm	43	inch H_20	0.3	ppm
V7	3300	FPM	scfm	42	inch H_20	0.0	ppm
Pre-Knockout Port				3.75	inch Hg vac	19.9	ppm
SVE Flow Rate	4100	FPM	scfm				

AS WELL READINGS (INSIDE TRAILER)

AS WELL #	Pressure		Air Flow		AS WELL #	Pressure		Air Flow	
AS Well #1	14.5	psi	3.5	SCFM	AS Well #16	15	psi	3	SCFM
AS Well #2	14.5	psi	3.5	SCFM	AS Well #12	16.5	psi	--	SCFM
AS Well #4	14	psi	5.5	SCFM	AS Well #10	16.75	psi	--	SCFM
AS Well #3	15.5	psi	4	SCFM	AS Well #13	17.5	psi	--	SCFM
AS Well #5	15	psi	4.5	SCFM	AS Well #14	14.5	psi	4	SCFM
AS Well #7	15	psi	4	SCFM	AS Well #18	14.5	psi	5	SCFM
AS Well #9	15	psi	7	SCFM	AS Well #17	15	psi	4.5	SCFM
AS Well #8	14	psi	5	SCFM	AS Well #15	15	psi	7	SCFM
AS Well #6	15	psi	5	SCFM	AS Well #19	15	psi	4	SCFM
AS Well #11	15.5	psi	2.5	SCFM					

NOTES
1705 - Collect Effluent 9/29/08 sample
1710 - Collect Influent 9/29/08 sample

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

Inspected By:	GLS	Date:	9/12/2008	Weather: Cloudy ~70F

Arrival Time:	1300	SVE 1 Clock:	142454	SVE 2 Clock:	117263
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	80	psi

PID	
Calibrated	NA
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		Flow	Vacuum		PID Concentration
V1	8500	FPM	scfm	50	inch H_20	ppm
V2	5800	FPM	scfm	54	inch H_20	ppm
V3a	5000	FPM	scfm	45	inch H_20	ppm
V3	6000	FPM	scfm	45	inch H_20	ppm
V4	5050	FPM	scfm	45	inch H_20	ppm
V6	4200	FPM	scfm	44	inch H_20	ppm
V5	3600	FPM	scfm	46	inch H_20	ppm
V7	3450	FPM	scfm	45	inch H_20	ppm
Pre-Knockout Port				4	inch Hg vac	ppm
SVE Flow Rate	4300	FPM	scfm			

AS WELL READINGS (INSIDE TRAILER)

AS WELL #	Pressure		Air Flow		AS WELL #	Pressure		Air Flow	
AS Well #1	17	psi	3	SCFM	AS Well #16	17.5	psi	2.5	SCFM
AS Well #2	17.5	psi	3	SCFM	AS Well #12	18.25	psi	--	SCFM
AS Well #4	16	psi	6	SCFM	AS Well #10	18.5	psi	--	SCFM
AS Well #3	17.5	psi	4	SCFM	AS Well #13	18.5	psi	--	SCFM
AS Well #5	17	psi	4.5	SCFM	AS Well #14	17.5	psi	3.5	SCFM
AS Well #7	17	psi	4	SCFM	AS Well #18	17	psi	4	SCFM
AS Well #9	17	psi	7	SCFM	AS Well #17	18	psi	3	SCFM
AS Well #8	16.5	psi	5	SCFM	AS Well #15	18	psi	5.5	SCFM
AS Well #6	17	psi	4.5	SCFM	AS Well #19	17	psi	3.5	SCFM
AS Well #11	17	psi	3	SCFM					

NOTES
Post Carbon Changeout

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***		
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	10/19/2007	11/19/2007	12/18/2007
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
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-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	349U	349U	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
Trichloroethene	2,700	3,200	110	1,480	4,690	1,120	1.35U	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
Tetrachloroethene	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

Target Compound	NYSDEC DAR-1 SGC	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	10/19/2007	11/19/2007	12/18/2007
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
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
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
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
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
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
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
1,1,1-Trichloroethane	68,000	1.1u	1.1u	1.1u	1.64U	1.64U	0.30U	1.64U	1.64U	1.64U	ND	ND	ND	ND
Trichloroethene	54,000	4.1	1.4	1.1u	1.35U	16.6	2.75	1.35U	1.35U	3,000	ND	ND	690	80
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
Tetrachloroethene	1,000	55	26	8.8	54.4	196	2.84	1,680	107	9,580	25	9.2	21,000	6,000
1,1,2,2-Tetrachloroethane		1.4u	1.4u	1.4u	1.07U	1.07U	0.25U	1.07U	1.07U	1.07U	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

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
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
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	220
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	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
Tetrachloroethene	9.4	80,000	65,000	60,000	61,000	58,000	ND	57,000
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	8/20/2008
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Vinyl Chloride	180,000	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	none	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	54,000	ND	17	480	480	ND	ND	ND	ND
1,1,2-Trichloroethane	none	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,000	15	580	7,000	1,700	49	4.1	ND	12
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	none	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)
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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