WALDEN ASSOCIATES

2014

Certified Mail # 70127012050 0000 4697 5010
Via email to jldyber@gw.dec.state.ny.us

September 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: August 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 August 2014.

Work Completed in August 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 on August 29, 2014. These samples were obtained by EnviroTrac, submitted to American Analytical Laboratories, and analyzed by SW-846 Method 8260B. The sample results for the August and July sampling events conducted by EnviroTrac are presented in Appendix D.
- The laboratory analytical data report for the July 29, 2014 quantitative sampling event (sampling performed by Walden Associates and TO-15 sample analysis by ALS Environmental) is attached in Appendix E. EnSafe Inc. recommends that Method 8260B be used going forward to monitor GAC performance, as the methods are similar and the results of EnviroTrac's sample obtained on July 31, 2014 were comparable to the July 29th TO-15 results.

Quarterly/Annual Groundwater Monitoring

- The first quarter 2014 groundwater monitoring report summarizing the March 2014 sampling event was submitted to NYSDEC on August 7, 2014.
- The second quarter 2014 groundwater sampling analytical data (8 monitoring wells – completed on June 24 and 25, 2014) is being validated by a third party data validator.

Upcoming Work

- Monthly operation and maintenance visits to monitor the SVE system parameters will be completed. One of the AS blowers is out of service and in need of maintenance, scheduled for September. In the meantime provisions are being made and will be completed in early September to run the standby AS blower.
- 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 third quarter 2014 annual groundwater sampling event (29 monitoring wells) is tentatively scheduled to be conducted during the week of September 29, 2014. NYSDEC will be formally notified when the schedule is finalized.
- The June 2014 quarterly groundwater sampling analytical data shall be submitted to NYSDEC per the Electronic Data Deliverable (EDD) requirements upon completion of the data validation report. A quarterly groundwater monitoring report for the June 2014 sampling will be submitted to NYSDEC following data validation.
- As discussed in a recent telephone call with EnSafe Inc., the work described in the approved June 19, 2014 revised Source Zone Treatment System Optimization proposal will be initiated this month. Specifically the work is scheduled to proceed as follows:
    - Utility mark out, September 19
    - Drilling and installation of new AS wells and SVE well September 22-25

- Saw cutting, trenching, piping, connections at wells and treatment enclosure, trench backfill and pavement repair. Tentatively week of September 22 through October 3.
- Confirmation of sub-slab vacuum field under Century 21 building in area of concern, with and without SVE-6 in operation. Data collection will occur as soon as is practical after piping connections are made.

Very truly yours,
Walden Associates

Joseph M. Heaney, 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

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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

Operation & Maintenance Data Sheet

Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 6-Aug
Weather / Temp: Clear / 80 DEG
Technician / Operator: DW

Arrival Time: 16:30
Departure Time: 17:30

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	ON	ON	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	OFF	OFF	Surge Protection (ON/OFF)	ON	ON
AS Compressor 1 (ON/OFF)	OFF	ON	Lightning Protection (White/Black)	White	White
AS Compressor 2 (ON/OFF)	OFF	OFF			

Soil Vapor Extraction System

Blower Air Velocity/Flow Rate (fpm)/(cfm)	4250	834	Blower 1 Total Runtime (hrs)	36,002.7
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	37,626.2
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	15
Moisture Separator Vacuum ("Hg)	4		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	OFFLINE		VGAC-1 Influent PID (ppm)	OFFLINE
VGAC-1 Effluent Vacuum ("H2O)	OFFLINE		VGAC-1 Effluent PID (ppm)	OFFLINE
VGAC-2 Influent Vacuum ("H2O)	58		VGAC-2 Influent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	65		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	OFFLINE		VGAC-3 Influent PID (ppm)	OFFLINE
VGAC-3 Effluent Vacuum ("H2O)	OFFLINE		VGAC-3 Effluent PID (ppm)	OFFLINE
Blower Effluent Pressure (psi)	0		Blower Effluent PID (ppm)	0
Transfer Pump Total Runtime (hrs)	25,020.5		Condensate Storage Tank Level (gal)	80

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7600	166		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	42	4650	101	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	52	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	42	4850	106	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	4800	105		SVE-6 ("H2O)/(FPM)/(cfm)/(ppm)	44	3600	79	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	44	4600	100		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	3650	80	

Air Sparge System

Compressor 1 Pressure (psi)	77	Compressor 2 Pressure (psi)	94
Compressor 1 Temperature (degF)	145	Compressor 2 Temperature (degF)	230
Compressor 1 Runtime (hrs)	27,125.0	Compressor 2 Runtime (hrs)	8,671.0
Manifold Regulator Pressure (psi)	65		

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	17.5	5	AS-11 (psi)/(cfm)	17	12
AS-2 (psi)/(cfm)	16.5	5	AS-12 (psi)/(cfm)	OFF	OFF
AS-3 (psi)/(cfm)	17.5	12	AS-13 (psi)/(cfm)	OFF	OFF
AS-4 (psi)/(cfm)	17.5	13	AS-14 (psi)/(cfm)	17.5	7
AS-5 (psi)/(cfm)	16	6	AS-15 (psi)/(cfm)	18	12
AS-6 (psi)/(cfm)	17	11	AS-16 (psi)/(cfm)	17	6
AS-7 (psi)/(cfm)	16	6	AS-17 (psi)/(cfm)	18	4
AS-8 (psi)/(cfm)	15.5	7	AS-18 (psi)/(cfm)	17.5	10
AS-9 (psi)/(cfm)	16	8.5	AS-19 (psi)/(cfm)	17.5	13
AS-10 (psi)/(cfm)	OFF	OFF			

Notes, Comments & Observations:

Compressor two off on arrival due to high temperature alarm. Oil added to compressor and restarted.

Multiple buckets of oil inside system enclosures need to be emptied.

Operation & Maintenance Data Sheet
Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 15-Aug
Weather / Temp: Sunny / 75 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 10:30

System Status					
	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	ON	ON	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	OFF	OFF	Surge Protection (ON/OFF)	ON	ON
AS Compressor 1 (ON/OFF)	OFF	ON	Lightning Protection (White/Black)	White	White
AS Compressor 2 (ON/OFF)	OFF	OFF			

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4300	844	Blower 1 Total Runtime (hrs)	36,109.9
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	37,728.1
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	15
Moisture Separator Vacuum ("Hg)	3.6		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	OFFLINE		VGAC-1 Influent PID (ppm)	OFFLINE
VGAC-1 Effluent Vacuum ("H2O)	OFFLINE		VGAC-1 Effluent PID (ppm)	OFFLINE
VGAC-2 Influent Vacuum ("H2O)	58		VGAC-2 Influent PID (ppm)	2.0
VGAC-2 Effluent Vacuum ("H2O)	68		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	OFFLINE		VGAC-3 Influent PID (ppm)	OFFLINE
VGAC-3 Effluent Vacuum ("H2O)	OFFLINE		VGAC-3 Effluent PID (ppm)	OFFLINE
Blower Effluent Pressure (psi)	0		Blower Effluent PID (ppm)	0
Transfer Pump Total Runtime (hrs)	25,020.5		Condensate Storage Tank Level (gal)	80

SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7700	168		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	43	4700	103	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	52	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	44	3300	72	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	44	5700	124		SVE-6 ("H2O)/(FPM)/(cfm)/(ppm)	43	3900	85	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	43	4800	105		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	3400	74	

Air Sparge System			
Compressor 1 Pressure (psi)	80	Compressor 2 Pressure (psi)	68
Compressor 1 Temperature (degF)	168	Compressor 2 Temperature (degF)	181
Compressor 1 Runtime (hrs)	27,139.0	Compressor 2 Runtime (hrs)	8,672.0
Manifold Regulator Pressure (psi)	65		

AS Manifold Legs - Pressure/Flow Rate					
	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	18	7	AS-11 (psi)/(cfm)	17	10
AS-2 (psi)/(cfm)	17	5	AS-12 (psi)/(cfm)	OFF	OFF
AS-3 (psi)/(cfm)	17	11	AS-13 (psi)/(cfm)	OFF	OFF
AS-4 (psi)/(cfm)	18	5	AS-14 (psi)/(cfm)	17.5	9
AS-5 (psi)/(cfm)	17	8	AS-15 (psi)/(cfm)	18.5	9
AS-6 (psi)/(cfm)	17	10	AS-16 (psi)/(cfm)	17	6
AS-7 (psi)/(cfm)	16.5	9	AS-17 (psi)/(cfm)	18	10
AS-8 (psi)/(cfm)	17	9	AS-18 (psi)/(cfm)	17.5	9
AS-9 (psi)/(cfm)	16.5	8	AS-19 (psi)/(cfm)	17.5	11
AS-10 (psi)/(cfm)	OFF	OFF			

Notes, Comments & Observations:

Compressor two off on arrival due to high temperature alarm. Added ~ 2 gallons to compressor and restarted.

Multiple buckets of oil inside system enclosures need to be emptied.

Reprogrammed Sensaphone.

Operation & Maintenance Data Sheet
Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 20-Aug
Weather / Temp: Sunny / 80 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 10:00

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	ON	ON	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	OFF	OFF	Surge Protection (ON/OFF)	ON	ON
AS Compressor 1 (ON/OFF)	OFF	ON	Lightning Protection (White/Black)	White	White
AS Compressor 2 (ON/OFF)	OFF	OFF			

Soil Vapor Extraction System

Blower Air Velocity/Flow Rate (fpm)/(cfm)	4300 / 844	Blower 1 Total Runtime (hrs)	36,170.6
Blower 1 Fresh Air Valve Open (%)	0	Blower 2 Total Runtime (hrs)	37,786.2
Blower 2 Fresh Air Valve Open (%)	0	Blower 1 Air Filter Differential Pressure ("H2O)	15
Moisture Separator Vacuum ("Hg)	3.5	Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	OFFLINE	VGAC-1 Influent PID (ppm)	OFFLINE
VGAC-1 Effluent Vacuum ("H2O)	OFFLINE	VGAC-1 Effluent PID (ppm)	OFFLINE
VGAC-2 Influent Vacuum ("H2O)	58	VGAC-2 Influent PID (ppm)	2.0
VGAC-2 Effluent Vacuum ("H2O)	68	VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	OFFLINE	VGAC-3 Influent PID (ppm)	OFFLINE
VGAC-3 Effluent Vacuum ("H2O)	OFFLINE	VGAC-3 Effluent PID (ppm)	OFFLINE
Blower Effluent Pressure (psi)	0	Blower Effluent PID (ppm)	0
Transfer Pump Total Runtime (hrs)	25,020.5	Condensate Storage Tank Level (gal)	80

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7700	168		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	42	4500	98	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	45	3300	72	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	45	5600	122		SVE-6 ("H2O)/(FPM)/(cfm)/(ppm)	45	3900	85	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	44	4700	103		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	45	3500	76	

Air Sparge System

Compressor 1 Pressure (psi)	80	Compressor 2 Pressure (psi)	
Compressor 1 Temperature (degF)	170	Compressor 2 Temperature (degF)	
Compressor 1 Runtime (hrs)	27,148.0	Compressor 2 Runtime (hrs)	8,673.0
Manifold Regulator Pressure (psi)	68		

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	17	7	AS-11 (psi)/(cfm)	17	10
AS-2 (psi)/(cfm)	17	5	AS-12 (psi)/(cfm)	OFF	OFF
AS-3 (psi)/(cfm)	17	11	AS-13 (psi)/(cfm)	OFF	OFF
AS-4 (psi)/(cfm)	18	5	AS-14 (psi)/(cfm)	18	10
AS-5 (psi)/(cfm)	17	9	AS-15 (psi)/(cfm)	18	10
AS-6 (psi)/(cfm)	17	10	AS-16 (psi)/(cfm)	17	6
AS-7 (psi)/(cfm)	17	10	AS-17 (psi)/(cfm)	18	10
AS-8 (psi)/(cfm)	17	10	AS-18 (psi)/(cfm)	18	10
AS-9 (psi)/(cfm)	17	8	AS-19 (psi)/(cfm)	18	10
AS-10 (psi)/(cfm)	OFF	OFF			

Notes, Comments & Observations:

Compressor two off on arrival due to high temperature alarm. Oil level low again - left off.

Multiple buckets of oil inside system enclosures need to be emptied.

Operation & Maintenance Data Sheet
Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 29-Aug
Weather / Temp: Cloudy / 80 DEG
Technician / Operator: ZB

Arrival Time: 13:30
Departure Time: 14:30

System Status					
	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	ON	ON	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	OFF	OFF	Surge Protection (ON/OFF)	ON	ON
AS Compressor 1 (ON/OFF)	OFF	ON	Lightning Protection (White/Black)	White	White
AS Compressor 2 (ON/OFF)	OFF	OFF			

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4200	825	Blower 1 Total Runtime (hrs)	36,280.9
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	37,894.2
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	15
Moisture Separator Vacuum ("Hg)	4		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	OFFLINE		VGAC-1 Influent PID (ppm)	OFFLINE
VGAC-1 Effluent Vacuum ("H2O)	OFFLINE		VGAC-1 Effluent PID (ppm)	OFFLINE
VGAC-2 Influent Vacuum ("H2O)	47		VGAC-2 Influent PID (ppm)	1.5
VGAC-2 Effluent Vacuum ("H2O)	54		VGAC-2 Effluent PID (ppm)	0.2
VGAC-3 Influent Vacuum ("H2O)	OFFLINE		VGAC-3 Influent PID (ppm)	OFFLINE
VGAC-3 Effluent Vacuum ("H2O)	OFFLINE		VGAC-3 Effluent PID (ppm)	OFFLINE
Blower Effluent Pressure (psi)	0		Blower Effluent PID (ppm)	0
Transfer Pump Total Runtime (hrs)	25,020.5		Condensate Storage Tank Level (gal)	80

SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7900	172	2.5	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	42	4900	107	0.5
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	52	5000	109	2.4	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	42	3400	74	0.5
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	4900	107	1.0	SVE-6 ("H2O)/(FPM)/(cfm)/(ppm)	42	4000	87	0.5
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	44	5900	129	2.1	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	3400	74	0.2

Air Sparge System			
Compressor 1 Pressure (psi)	85	Compressor 2 Pressure (psi)	
Compressor 1 Temperature (degF)	173	Compressor 2 Temperature (degF)	
Compressor 1 Runtime (hrs)	27,157.0	Compressor 2 Runtime (hrs)	8,673.0
Manifold Regulator Pressure (psi)	65		

AS Manifold Legs - Pressure/Flow Rate							
		Pressure	Flow Rate			Pressure	Flow Rate
AS-1	(psi)/(cfm)	21	4	AS-11	(psi)/(cfm)	18.5	15
AS-2	(psi)/(cfm)	19	5	AS-12	(psi)/(cfm)	OFF	OFF
AS-3	(psi)/(cfm)	19	13	AS-13	(psi)/(cfm)	OFF	OFF
AS-4	(psi)/(cfm)	19	10	AS-14	(psi)/(cfm)	18	8
AS-5	(psi)/(cfm)	18	10	AS-15	(psi)/(cfm)	18	7
AS-6	(psi)/(cfm)	18	12	AS-16	(psi)/(cfm)	16.5	6
AS-7	(psi)/(cfm)	17	10	AS-17	(psi)/(cfm)	18.5	10
AS-8	(psi)/(cfm)	17.5	10	AS-18	(psi)/(cfm)	18	12
AS-9	(psi)/(cfm)	17	11	AS-19	(psi)/(cfm)	18	15
AS-10	(psi)/(cfm)	OFF	OFF				

Notes, Comments & Observations:

Compressor two off for repairs.

Multiple buckets of oil inside system enclosures need to be emptied.

Collected monthly influent and effluent air samples.

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 E

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