Biweekly Report
Little Valley
300 Sixth Street
Little Valley, New York

Date: October 24, 2007

Reporting Period: **October 11 – October 25, 2007**

For:

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A. Summary of Actions Conducted During Reporting Period

- Performed Soil Vapor Extraction system O&M; maintenance
- Performed SVE system bi weekly air monitoring; all wells are on except Well 19 and the sub-slab. See Appendix 1 for monitoring log
- Installed new DVR for cameras
- Traced effluent low flow to air filter (Please see **Section E**)

B. Monitoring, Sampling and Test Results

See Appendix 1 for SVE Monitoring Log for October 16

C. Communications Transmitted to EPA

None

D. Summary of Actions Scheduled for Next Reporting Period (Oct 23 – Nov 5)

- SVE system O&M, site maintenance
- Continue bi-weekly SVE system monitoring
- Installation of new air filter and effluent flow test
- Motion sensor camera data download (if necessary)
- Assist ERT in installation of sub-slab sampling ports

E. **Other Information Relating to Progress of Completion**

- Influent flow was found to be 515 cubic feet per minute while the effluent flow was found to be 120 cubic feet per minute. The carbon vessel was opened—the carbon was not solidified and appeared to be normal. Flow measurements were taken before the carbon (after the influent) and they lower then the influent flow. The air filter was inspected and it was found that it needs to be replaced. It was cleaned as best as possible and the effluent flow increased by about 30 cubic feet per minute. A new filter will be installed and the effluent flow will be checked afterwards. Meanwhile, VOC readings for the effluent are still at 0.0 ppm.
- ERT will investigate soil vapor readings from new sample ports that will be installed in the sub-slab of the building that is currently onsite (installation during the week of October 29, 2007) to determine the locations of where new sub-slabs wells should be installed. Those will be installed after these locations have been found

F. **Project Progress**

Continued monitoring of SVE system and data evaluation. Eventual installation and monitoring of a sub-slab system and subsequent data evaluation from that monitoring.

G. **Deviations to the Project Schedule**

None

Appendix 1:

Soil Vapor Extraction System Air Monitoring Log

Little Valley

Date: 10/16/07

Soil Vapor Extraction Air Monitoring Log

WRS Project #: 33-64-060026

	FID	MultiRAE Plus PID					Pressure (" Hg)	Pipe Diameter	Veloci-Calc Plus			
Well	VOC (ppm)	VOC (ppm)	Oxygen	H_2S	LEL	CO			Flow	Humidity	Temp.	Dew Pt.
1	0.0	0.6	20.9%	0	0	0	8.450	1.9	2.5	75.5	61.9	54.1
2	0.3	0.0	20.0%	0	0	0	7.200	1.9	11.5	83.7	60.5	55.4
3	0.2	0.7	20.9%	0	0	0	8.700	1.9	3.40	78.3	61.4	54.5
4	0.0	1.1	20.9%	0	0	0	7.980	1.9	4.00	75.2	59.9	52.0
5	0.0	1.5	19.0%	0	0	0	8.980	1.9	4.10	82.2	59.6	53.9
6	1.0	2.2	19.4%	0	0	0	7.500	1.9	3.80	75.0	59.8	51.8
7	0.0	0.9	20.5%	0	0	0	8.450	1.9	3.50	71.0	64.3	53.9
8	0.0	0.0	20.9%	0	0	0	8.570	1.9	10.80	82.4	61.8	56.7
9	0.4	0.0	20.9%	0	0	0	8.268	1.9	7.65	79.4	61.5	55.1
10	0.6	0.0	20.9%	0	0	0	8.500	1.9	8.40	77.0	62.0	54.5
11	1.0	5.7	20.5%	0	0	0	7.850	1.9	7.91	81.5	62.4	56.9
12	0.0	0.0	20.9%	0	0	0	8.560	1.9	6.10	71.3	62.5	52.9
13	0.0	0.0	20.9%	0	0	0	8.750	1.9	4.00	68.3	61.2	51.4
16	1.1	0.7	20.9%	0	0	0	8.200	1.9	4.40	79.1	61.0	54.3
18	0.0	0.0	20.9%	0	0	0	7.135	1.9	32.0	91.7	59.8	57.2
19	0.0	0.0	20.5%	0	0	0	8.325	1.9	13.1	78.8	60.5	53.9
20	0.0	0.0						1.9				
24	0.0	0.0	20.9%	0	0	0	8.340	1.9	5.00	76.6	63.1	55.6
25	0.0	0.0	20.4%	0	0	0	7.695	1.9	14.5	71.0	63.3	53.1
26	0.0	0.7	20.4%	0	0	0	8.060	1.9	17.0	88.2	59.8	56.3
27	0.0	1.5	20.9%	0	0	0	8.440	1.9	8.00	75.5	62.1	54.3
28	0.0	0.6	20.3%	0	0	0	9.240	1.9	17.0	77.7	61.4	54.5
29	0.0	0.0	20.9%	0	0	0	7.700	1.9	2.50	72.9	59.9	51.0
30	0.0	1.0	20.4%	0	0	0	8.230	1.9	2.50	74.1	68.1	51.8
32	47.6	0.0	20.3%	0	0	0	8.300	1.9	3.6	73.0	63.3	54.3
33	0.0	0.0	20.9%	0	0	0	7.905	1.9	25.0	83.1	60.4	55.3
Sub-slab												
Effluent	0.0	0.0	20.6%	0	0	0	N/A	5.7	120	57.0	75.3	59.6
Combined	4.2	0.4	20.5%	0	0	0	9.513	5.7	515	69.3	64.6	64.50
Background	0.0	0.0	20.9%	0	0	0	N/A	N/A	N/A	55.4	66.3	49.1

Please note flow is measured in SCFM or ACFM. **Readings performed by: Rob Derrick & Rob McKown**

Blower Hours: 5456

Notes: Well 19 is broken and the sub-slab remains off

SVE Readings from control panel (digital readings):

Air Flow: 153 CFM **Inlet Vacuum:** 6 " H_2O **Discharge Pressure:** 7 " H_2O

FID: Flame Ionization Detector
VOC: Volatile Organic Compounds (in ppm)
CO: Carbon Monoxide
LEL: Lower Explosive Limit
ppm: parts per million
Temperature: measured in degress Fahrenheit
Pressure: measured in inches of mercury (" Hg)
Humidity: percent relative Humidity
SCFM: Standard Cubic Feet per Minute at 32 degrees Fahrenheit and 14.7 PSI
ACFM: Actual Cubic Feet per Minute at existing Temperature and Pressure at time of measurement.