

Trip Report

Little Valley Superfund Site Cattaraugus Cutlery Area 300 Sixth Street Little Valley, New York

Date: November 30, 2010

Reporting Period: November 15-November 18, 2010

For:

Louis DiGuardia, OSC John DiMartino, RPM

U.S. EPA Region II U.S. EPA Region II

Emergency & Remedial Response Division Emergency & Remedial Response Division

Removal Action Branch New York Remedial Branch

2890 Woodbridge Avenue (MS-211) 290 Broadway

Edison, New Jersey 08837-3679 New York, NY 10007-1866

A. Summary of Actions Conducted During Reporting Period

- Week of November 15, 2010
 - 1. System was off upon arrival (initial visit since system shutdown for demobe of previous contractor)
 - 2. Mini-excavator delivered to site for trenching. Approximately 2 tons of 2" stone delivered for trenches and to cover perforated piping.
 - 3. Trenches and piping installed according to client's request. GPS coordinates taken at 2" PVC riser at start of trenches. A total of six trenches were dug to a depth no deeper than 2' and 60' of perforated 3" PVC (10' in each trench) installed. Using 2" stone as a base, PVC placed on top of stone to ensure a pitch was maintained to avoid water accumulation. Additional layer of 2" stone used to cover piping. Mini-excavator used to compact dirt and fill in trenches.
 - 4. After taking velocity readings and conferring with client, all outer SVE wells turned off except those adjacent to trenches to maximize flow in trenches. Flow almost doubled in trenches and VOC readings increased.
 - 5. Due to the instability of the building, all sub-slabs/piping inside the facility were removed. Several boxes of insulation for PVC was packed up and brought to Mohonk to insulate PVC lines.
 - 6. At request of EPA, ER contractors visited the residence at Salamanca to get sub-slab motor number but could not get access-no response to doorbell and knocks.



B. Monitoring, Sampling, Test Results and Figures

See Appendix 1 for SVE/Sub-Slab Monitoring Logs; Appendix 2 for SVE/Sub-Slab Well Locations Map and SVE/Sub-Slab System Piping Map (including screening locations) and Appendix 3 for Soil Screening Results Table

C. <u>Communications Transmitted to EPA</u>

None

D. <u>Summary of Actions Scheduled for Next Reporting Period</u>

- SVE system O&M, site maintenance
- Continue SVE system and trench monitoring
- Six yard dumpster will be delivered to clean up site
- Pack up additional insulation to transport to Mohonk

E. Other Information Relating to Progress of Completion

None

F. **Project Progress**

Continued monitoring of SVE and sub-slab system and data evaluation.

G. **Deviations to the Project Schedule**

None



Appendix 1:

Soil Vapor Extraction/Sub-Slab System Air Monitoring Logs



Little Valley Superfund Site (Cattaraugus Cutlery Area) Soil Vapor Extraction/Sub Slab Air Monitoring Log

November 18, 2010

		MultiRAE Plus PID						Veloci-Calc Plus				
Well	Well Depth (Ft bgs*)	VOC (ppm)	Oxygen	H₂S	LEL	со	Pipe Diameter	Flow	Humidity	Temp.	Dew Pt.	Vacuum
1	7	0.0	20.9	0	0	0	2"	22.6	77.1	43.9	34.7	3.60
2	7	0.0	20.9	0	0	0	2"	19.8	74.9	42.8	33.5	3.55
3	7	0.0	20.9	0	0	0	2"	23.1	79.7	40.0	34.3	3.70
4	7	0.0	20.9	0	0	0	2"	18.7	80.7	41.4	35.2	2.95
5	12	0.0	20.9	0	0	0	2"	25.9	80.0	42.0	33.5	3.23
6*	12	0.0	20.9	0	0	0	2"	29.1	81.2	41.9	33.1	3.66
7*	7	-	-	-	-	-	2"	-	-	-	-	-
8*	7	-	-	-	-	-	2"	-	-	-	-	-
9*	7	-	-	-	-	-	2"	-	-	-	-	-
10	7	0.0	20.9	0	0	0	2"	20.6	84.0	41.5	33.1	3.43
11	12	0.0	20.9	0	0	0	2"	21.1	82.6	43.4	33.3	3.06
12*	7	-	-	-	-	-	2"	-	-	-	-	-
13	7	0.0	20.9	0	0	0	2"	22.7	81.7	44.1	33.7	3.56
16	12	0.0	20.9	0	0	0	2"	27.3	80.9	42.8	33.5	3.86
18	12	0.0	20.9	0	0	0	2"	28.1	77.9	43.1	34.0	3.98
19	7	0.0	20.9	0	0	0	2"	27.6	81.9	43.4	33.8	4.00
20	12	0.0	20.9	0	0	0	2"	26.4	79.0	41.6	33.2	3.67
24*	7	1	-	•	•	-	2"	-	•	-	-	-
25	12	0.0	20.9	0	0	0	2"	23.3	78.0	42.6	33.6	3.05
26	7	0.0	20.9	0	0	0	2"	20.7	78.5	43.6	34.5	3.09
27	7	0.0	20.9	0	0	0	2"	19.7	82.3	40.6	34.8	3.45
28	7	0.0	20.9	0	0	0	2"	19.3	82.0	42.6	34.0	3.20
29	7	0.0	20.9	0	0	0	2"	19.4	87.0	43.4	34.6	3.65
30*	7	-	-	-	-	-	2"	-	-	-	-	-

*Wells 6-9, 12, 24, and 30 were closed at the time of monitoring. Wells 6 and 13 were opened on 8-4-10 Please note flow is measured in SCFM or ACFM. Readings Performed by: Frank Mahalski

FID: Flame Ionization Detector

VOC: Volatile Organic Compounds (in ppm)

CO: Carbon Monoxide LEL: Lower Explosive Limit ppm: parts per million

Temperature: measured in degrees Fahrenheit

Vacuum: measured in inches of water Humidity: percent relative Humidity

Flow: Actual Cubic Feet per Minute at existing Temperature and Pressure at time of measurement.



Little Valley Superfund Site (Cattaraugus Cutlery Area) Soil Vapor Extraction/Sub Slab Air Monitoring Log (Continued)

November 18, 2010

		MultiRAE Plus PID						Veloci-Calc Plus				
Well	Well Depth (Ft bgs*)	VOC (ppm)	Oxygen	H ₂	LEL	СО	Pipe Diameter	Flow	Humidity	Temp.	Dew Pt.	Vacuum
32*	7	-	-	-	-	-	2"	_	-	-	_	-
33	7	0.0	20.9	0	0	0	2"					
34*	12	-	-	-	-	-	2"					
35	12	-	-	-	-	-	2"					
36	12	-	-	-	-	-	2"					
37	12	-	-	-	-	-	2"					
38	12	-	-	-	-	-	2"					
39	12	-	-	-	-	-	2"	-	-	-	-	-
40	12	0.0	20.9	0	0	0	2"					
41	9.5	0.0	20.9	0	0	0	2"					
42	12	0.0	20.9	0	0	0	2"					
43	12	0.0	20.9	0	0	0	2"					
44	7	0.0	20.9	0	0	0	2"					
T-1	N/A	1.9	20.9	0	0	0	2"	61.5	80.0	44.1	35.8	2.10
T-2	N/A	1.1	20.9	0	0	1	2"	49.6	81.3	43.6	34.6	3.83
T-3	N/A	1.0	20.9	0	0	0	2"	48.4	79.6	43.0	33.6	2.72
T-4	N/A	1.6	20.9	0	0	1	2"	57.5	77.8	43.1	33.9	2.93
T-5	N/A	1.0	20.9	0	0	0	2"	57.0	81.9	43.5	33.7	2.81
T-6	N/A	0.8	20.9	0	0	1	2"	52.5	79.9	44.0	34.0	2.08
SDS-1- 12*	N/A	-	-	-	-	1	-	-	-	-	-	-
SS-1*	N/A N/A	_	-	_	_	_	_		_	_	_	
Effluent	N/A N/A		20.9	0	0	0	6"	455.00	26.8	113.4	71.2	N/A
Combined	N/A	0.0	20.9	0	0	0	6"	600.00	20.3	125.3	72.8	9.820
Background	N/A	0.0	20.9	0	0	0	N/A	N/A	59.2	90.8	74.9	9.820 N/A

*SVE-32, SVE-34 and all of the sub-slabs but SDS-01 are currently closed. For safety reasons, SS-1 can no longer be monitored

Please note flow is measured in SCFM or ACFM. Readings Performed by: Frank Mahalski

SVE Readings from control panel (digital readings): Blower hrs: 5987

Air Flow: 250 CFM Inlet Vacuum: 4" H₂O (gauge) Discharge Pressure: -11" H₂O

FID: Flame Ionization Detector

VOC: Volatile Organic Compounds (in ppm)

CO: Carbon Monoxide LEL: Lower Explosive Limit ppm: parts per million

Temperature: measured in degrees Fahrenheit

Vacuum: measured in inches of water Humidity: percent relative Humidity

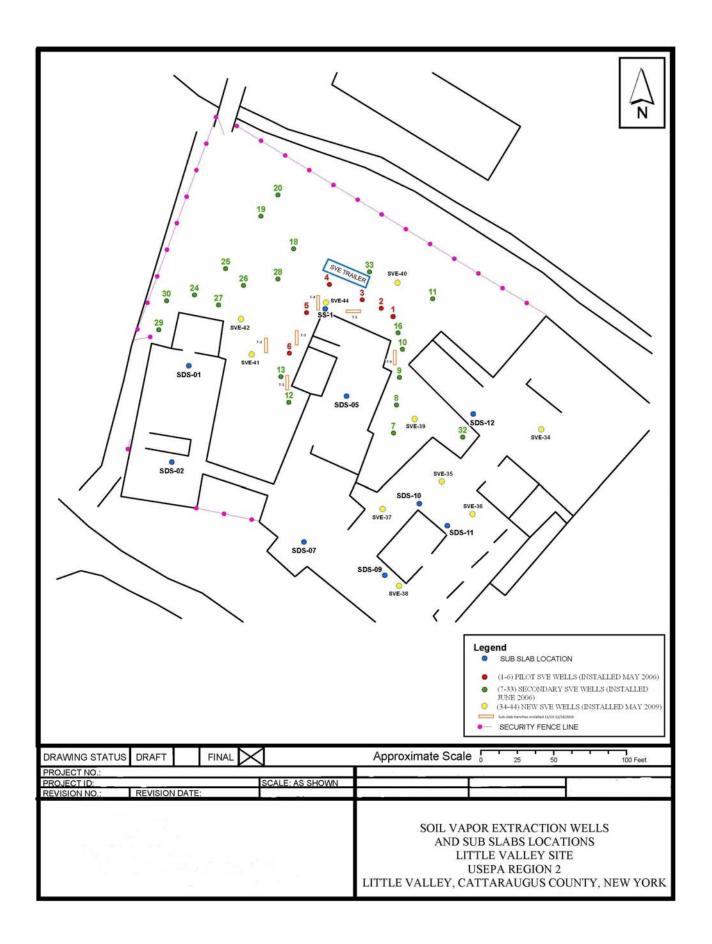
Flow: Actual Cubic Feet per Minute at existing Temperature and Pressure at time of measurement.



Appendix 2:

SVE/Sub-Slab Well Locations Map and







Appendix 3:

GPS Trench Locations



Location	Northing	Westing	PDOP	HAE	
T-1	42 15'08.335"	78 47' 50.200"	4.95	442.30m	
T-2	42 15'08.533"	78 47' 50.255"	2.30	443.45m	
T-3	42 15'08.585"	78 47' 50.195"	2.66	417.30m	
T-4	42 15' 08.903"	78 47' 49.855"	3.11	442.52m	
T-5	42 15' 08.882"	78 47' 49.648"	2.85	446.59m	
T-6	42 15' 08.892"	78 47' 49.623"	2.94	443.80m	

Notes:

All locations were taken at the well head riser near the monitoring port.

PDOP: Position Dilution of Precision (expresses the relationship between the error in user position and the error in satellite position- values around 3 are considered good, values greater than 7 poor) **HAE:** Height Above Ellipsoid (needed to calculate z coordinate value)

