



Sevenson Environmental Services, Inc.

February 27, 2006

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Resident Engineer
West Point Area Office
New York District
U.S. Army Corps of Engineers
Building 667A 3rd Floor
West Point, New York 10996

Attention: Mr. Raymond Schembri, P.E.

RE: January Monthly Progress Report
Contract # DACA41-01-D-001-0006
Vestal Wellfield 1-1, Area 4, Vestal, New York

Dear Sir:

Enclosed is the January Monthly Progress Report for the referenced contract. This report covers system operations from 1 December 2006 through 31 January 2006. O&M as well as sampling activities for the period are summarized in this report. Copies of the analytical data are included. The activity in this report covers 19 operational days in January 2006.

The system was shut down per USACE direction on 19 January 2006. Unseasonably warm and wet weather was restricting system removal efficiency, and the results of the upcoming sampling event may indicate another treatment direction for the site. We will submit a proposal for a Standby Shutdown Rate shortly.

Please email me at cmarshall@sevensonphilly.com or call at 610-388-0721 if you've any questions.

Sincerely,
Sevenson Environmental Services, Inc.

Cassandra T. Marshall
Cassandra T. Marshall
Project Manager

CTM/1

cc: R. Schembri (USACE)
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**TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR
MANUFACTURER'S CERTIFICATES OF COMPLIANCE**

(Read Instructions on the reverse side prior to initiating this form)

**MONTHLY PROGRESS REPORT
(January 1 through January 31, 2006)**

**IN-SITU SOIL VAPOR
EXTRACTION SYSTEM
VESTAL WATER SUPPLY WELL 1-1 SUPERFUND SITE,
OPERABLE UNIT 2, AREA 4
VESTAL, NEW YORK**

Prepared by:

**ENVIROGEN/SHAW E&I, Inc.
103 College Ave SE
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Submitted to:
**Sevenson Environmental Services, Inc.
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February 24, 2006

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1.0 INTRODUCTION

Envirogen/Shaw E&I, Inc. has prepared this Monthly Progress Report for the operation of the Soil Vapor Extraction System (SVE system or System) for the Vestal Well 1-1 Superfund Site, Area 4 in Vestal, NY. This report was prepared under a subcontract to Sevenson Environmental Services, Inc, under contract DACA41-01-D-0001-0006. Sevenson's remedial action work is under supervision of the U.S. Environmental Protection Agency (USEPA) and the U.S. Army Corps of Engineers (USACE).

Figure 1 is a Site plan showing the SVE System treatment area, comprised of Cells 1 and 2 and other major components of the System. Construction of the SVE System began in early April and was completed in late June 2003. Start-up of the SVE System began on June 23, 2003. The SVE System is operated in accordance the Final Design documents, O&M Manual and subsequent correspondence with the USEPA and USACE. This report covers the time from January 1 to January 31, 2006.

Section 2.0 of this report summarizes general activities conducted during the reporting period. Section 3.0 summarizes System monitoring and adjustments. Section 4.0 discusses volatile organic compound (VOC) contaminant yields based on process air analytical data and flow rates. Section 5.0 discusses problems encountered during the reporting period and their respective corrective measures. Section 6.0 lists anticipated future activities.

2.0 SUMMARY OF ACTIVITIES CONDUCTED DURING THE REPORTING PERIOD

The monthly O&M inspection was performed on January 19, 2006. Airflow, pressure/vacuum, and PID readings were measured throughout the System on January 19, 2006. Process air sampling of the System (influent, mid-carbon and effluent) was performed on January 19, 2006.

The SVE System at the Vestal Area 4 Site ran approximately 19 days without incident during the period 1/1/06 to 1/31/06. The System was sampled on 1-19-06 and shut down on the same day per direction from the USACE on a conference call held on January 12, 2006. The System was shut down due to excessive amount of moisture within the treatment area that reduced the airflow rate within the soils. Since the winter has been warmer than usual, we cannot predict when the site may dry out and permit more efficient contaminant removal.

Physical monitoring of the System parameters, such as vacuum/pressure, temperature, PID readings, and air flow measurements, along with routine maintenance of the System, was conducted during the January reporting period in accordance with the O&M Manual. These O&M measurements and site activities were recorded on daily O&M logs, which are available on-site.

The System was operational approximately 19 days from January 1 to January 31, 2005. This brings the total operational time to approximately 754 days since the June 23, 2003 start-up.

3.0 SVE SYSTEM MONITORING AND ADJUSTMENTS

This section summarizes monitoring of and adjustments to the SVE System during the reporting period. Monitoring of the System included pressure/vacuum and temperature measurements, air flow measurements, and process air sampling and associated VOC analysis. The locations of the SVE wells are illustrated in Figure 1. System parameters were recorded on O&M daily log sheets, available on-site. The chain-of-custody forms and laboratory data summary sheets are provided in Appendix A. All monitoring and/or adjustments were performed in accordance with the O&M Manual.

3.1 Process Air Flows

This section discusses process air flow measurements and balancing throughout the entire System and for the individual SVE wells. Individual SVE withdrawal and injection well process airflow measurements and PID readings were taken on January 19 and are provided in Table 1.

3.1.1 Total System Process Air Flow

During the reporting period, airflow throughout the entire System was measured as outlined in the O&M Manual. The airflow through the System was calculated by measuring amount of vacuum, temperature, speed of the SVE blower, elevation, then using these values to obtain the air flow from the blower curve computer model supplied by the manufacturer (Roots Inc.). Based on this data, the calculated airflow through the entire System on January 19, 2006 averaged 512 cubic feet per minute (cfm). This data is shown in Appendix B. The bypass airflow for January 2006 was approximately 210 scfm.

3.1.2 SVE Well Process Air Flow

Individual SVE withdrawal well process airflow measurements were recorded on January 19, 2006. In addition, PID readings were recorded when process air samples were taken. During the January 19, 2006 System sampling event, PID readings were also taken on the individual SVE withdrawal wells. This data is contained in Table 1.

3.2 Process Air VOC Concentrations

Process air samples were collected during the reporting period on January 19, 2006. Samples were collected and analyzed in accordance with the O&M Manual. The system process air analytical results are contained in Appendix A.

4.0 VOC YIELD

This section details the System VOC yield based on System sampling events performed during the January 1 to January 31, 2006 reporting period. Discussed in this section is the estimated Total Targeted Contaminant (TTC) VOC yield, based on the airflow through the blowers and the composite/total system VOC analytical results. Table 2 shows the total target contaminant yield for each sampling period.

4.1 Total System VOC Yield

The total System VOC yield was calculated using the total system airflow rates and contaminant concentrations. Cumulative system contaminant yields for the reporting period are shown in Table 3. Based on these calculations, the System yielded approximately 0.00 pounds of VOCs from December 7, 2005 to January 19, 2006. The average yield rate of the System per operational day between December 7, 2005 and January 19, 2006 is 0.00 lbs/day. The total TTC yield from start-up (June 23, 2003) to January 19, 2006 is 2,289.32 pounds. The mass of TTC VOCs removed from the treatment area is illustrated in Figure 2. The cumulative contaminant yield is calculated utilizing the data and formulas found in Appendix B. Figure 3 graphically depicts cumulative yield over system operational time. As noted in the SVE System analytical data, the percent concentration of TCE within the influent process air is 42 percent and the concentration of 1,1,1-TCA is 58 percent from startup to January 19, 2006.

5.0 PROBLEMS ENCOUNTERED DURING THE REPORTING PERIOD AND RESPECTIVE CORRECTIVE MEASURES

With the exceptions of problems discussed in Section 2.0 and in this section the System operated well throughout the month of January.

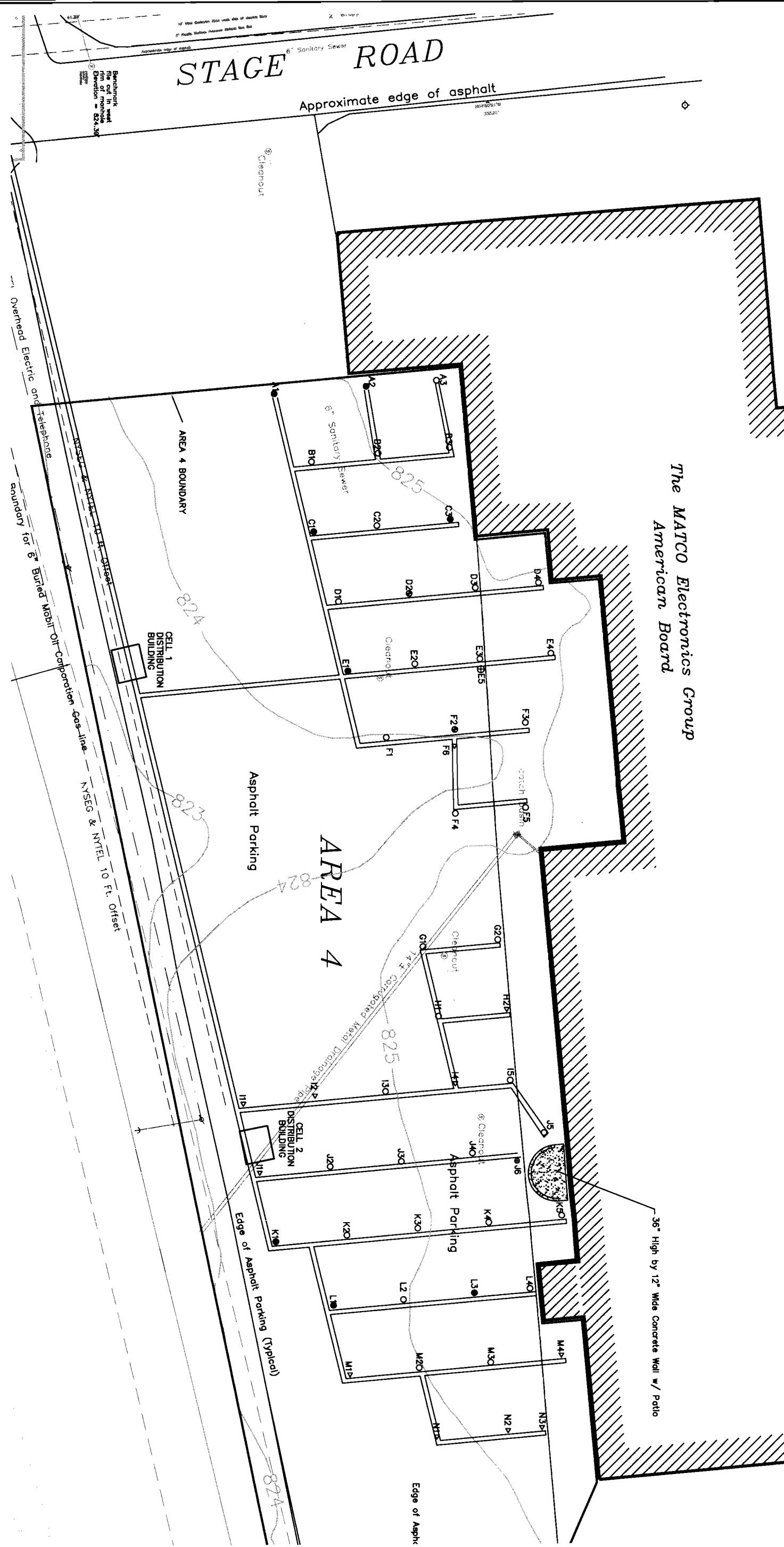
6.0 ANTICIPATED ACTIVITIES

The following activities are anticipated for the next reporting period.

- The system will remain off until approval to re-start is received from the USEPA.
- We are submitting a proposal for a Standby Rate that will cover the basic costs of system O&M while it is shutdown.
- This is the last formal hardcopy report until restart. Monthly activity for the duration will be accounted for in a brief email.
- We will be onsite on 3/22/2006 to assist in the preparation of the site sampling.

FIGURES AND TABLES

The MATCO Electronics Group
American Board



BASE MAP PROVIDED BY JOYCE SURVEYING AND MAPPING

LEGEND

A5 ● – INJECTION SVE well

D3 O – VACUUM SVE well

H2 ▷ – Nested VACUUM SVE well

H2 ▷ – SVE well shut off

SCALE IN FEET

ENVIROGEN		US Army Corps of Engineers Kennebec City District		VESTAL AREA 4 TOWN OF VESTAL, BROOME COUNTY, NEW YORK		SCALE AS SHOWN REVISIION	
Shaw E&I Engineering of New York, P.C. 103 COLLEGE AVE. SE GRAND RAPIDS, MICHIGAN 49503		CONTRACT NO. DACW41-01-D-0001		FIGURE 1 DRAWING NUMBER VES-A4 - 1		PROJECT NUMBER 65708 SHEET 1 OF 3	
STEWART HENRICK ABRAHAM	JOSEPH	BL.	SITE				
CHECKED BY	DC						
BEST CHECKED	DC						
APPROVED BY	SA						
DATE 1/19/08		Site Plan with SVE System					
LICENSE NUMBER: 07833							

FIGURE 2
CONCENTRATION (ppmv) AND YIELD RATE (lbs/day)
OF TOTAL TARGET VOCs Vs. TIME
TOTAL SYSTEM SAMPLE
VESTAL AREA 4

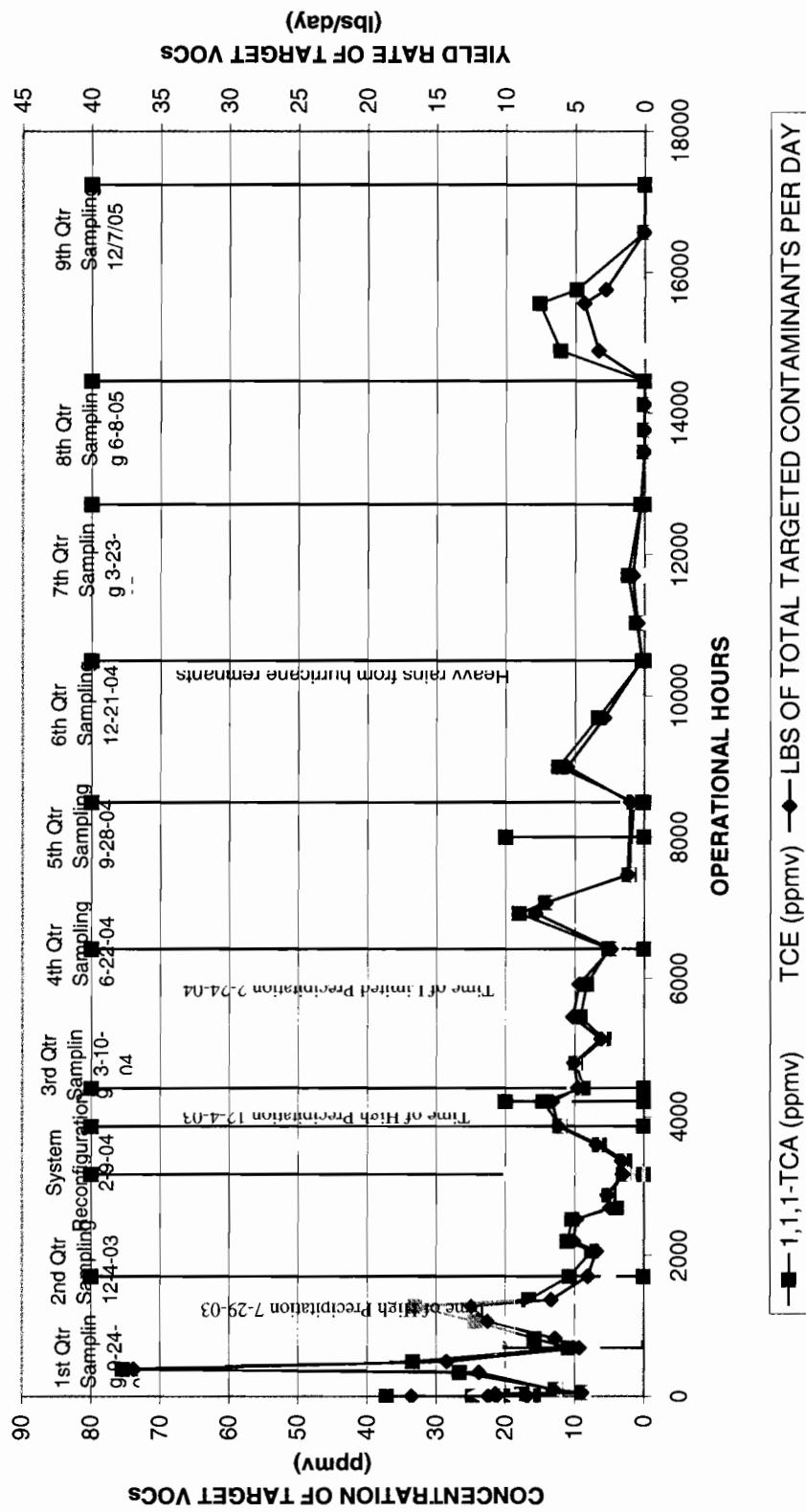


FIGURE 3
TOTAL TARGET CONTAMINANT YIELD START-UP TO DATE (lbs) Vs. TIME
TOTAL SYSTEM SAMPLE
VESTAL, AREA 4

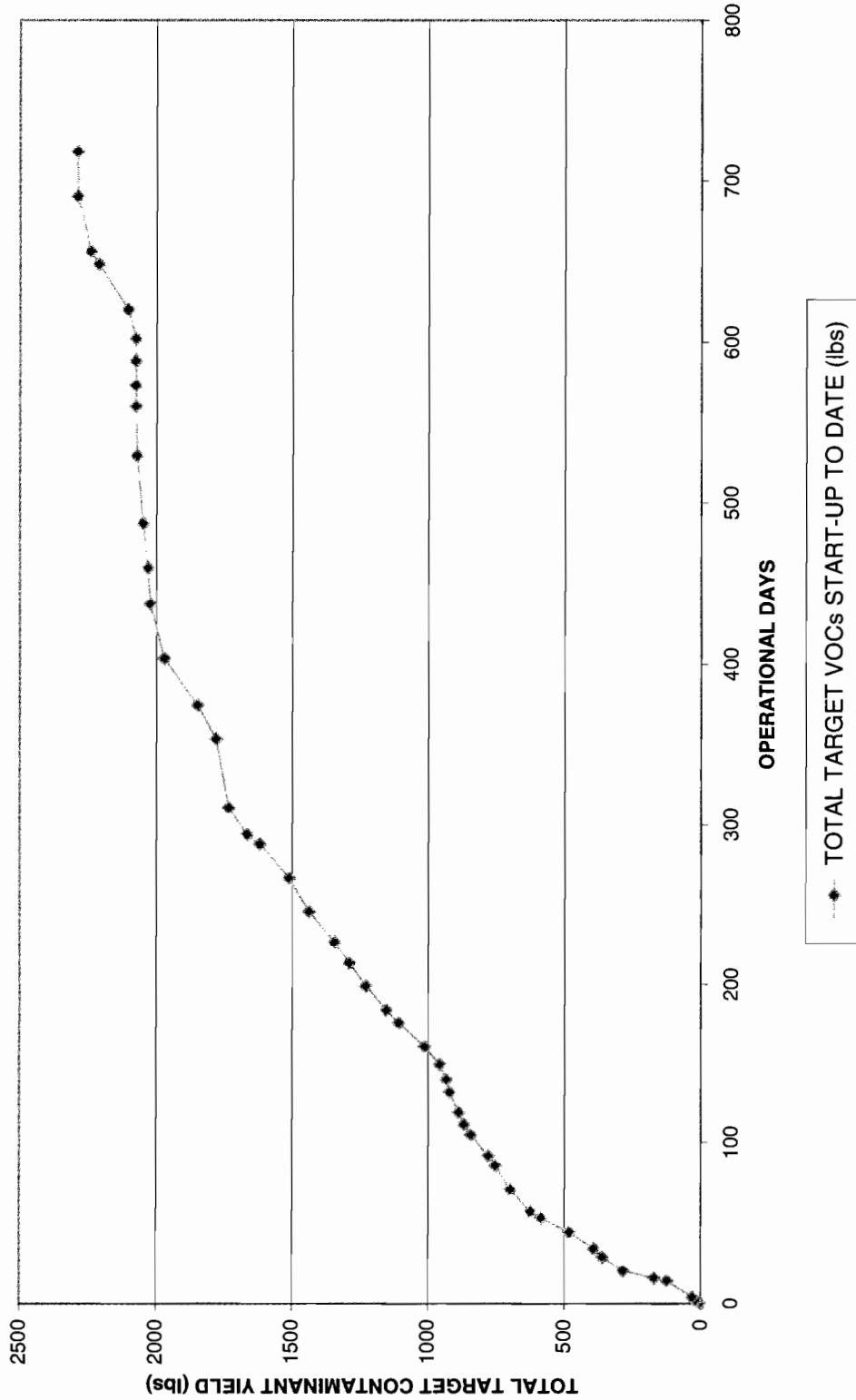


TABLE 1
SVE WELL STATUS
VESTAL AREA 4
JANUARY 19, 2006

SVE WELL #	VAC WELL	INJ WELL	FLOW RATE	STATUS	PID READINGS	SOIL CONCENTRATION
Bypass Flow Rate			210			
INFLUENT			512		0.9	
MIDDLE			512		0.9	
EFFLUENT			512		1.5	
A1		X	10	OPEN	NA	LOW
A2		X	8	OPEN	NA	LOW
A3	X		56	OPEN	3.1	LOW
B1	X		NA	WATER	NA	LOW
B2	X		5	OPEN	5.4	LOW
B3	X		6	OPEN	9.6	LOW
C1		X	8	OPEN	NA	LOW
C2	X		5	OPEN	2.8	MEDIUM
C3	X		NA	WATER	NA	MEDIUM
D1	X		5	OPEN	4.0	LOW
D2		X	6	OPEN	NA	MEDIUM
D3	X		NA	WATER	NA	HIGH
D4	X		20	OPEN	6.1	HIGH
E1	X		11	OPEN	3.8	LOW
E2	X		10	OPEN	NA	MEDIUM
E3	X		NA	WATER	NA	HIGH
E4	X		NA	WATER	NA	HIGH
E5	X		NA	WATER	NA	HIGH
F1	X		7	OPEN	1.9	LOW
F2		X	7	OPEN	NA	MEDIUM
F3	X		NA	WATER	NA	MEDIUM
F4	X		NA	WATER	NA	LOW
F5	X		NA	WATER	NA	LOW
F6	X		NA	WATER	NA	LOW
G1	X		NA	WATER	NA	LOW
G2	X		5	OPEN	9.4	LOW
H1	X		5	OPEN	15.4	LOW
H2			NA	OFF	NA	LOW
I1	X		5	OPEN	8.3	LOW
I2			NA	OFF	NA	LOW
I3	X		5	OPEN	4.8	MEDIUM
I4			NA	OFF	NA	MEDIUM
I5	X		5	OPEN	8.3	HIGH
J1			NA	OFF	NA	LOW
J2	X		5	OPEN	4.6	MEDIUM
J3	X		5	OPEN	4.9	HIGH
J4	X		5	OPEN	19.7	HIGH
J5	X		6	OPEN	11.7	HIGH

TABLE 1
SVE WELL STATUS
VESTAL AREA 4
JANUARY 19, 2006

SVE WELL #	VAC WELL	INJ WELL	FLOW RATE	STATUS	PID READINGS	SOIL CONCENTRATION
J6	X		5	OPEN	13.1	HIGH
K1		X	7	OPEN	NA	LOW
K2	X		5	OPEN	5.9	LOW
K3	X		5	OPEN	7.2	MEDIUM
K4	X		6	OPEN	14.3	MEDIUM
K5	X		5	OPEN	6.5	HIGH
L1		X	6	OPEN	NA	LOW
L2	X		NA	WATER	NA	HIGH
L3		X	6	OPEN	NA	LOW
L4	X		5	OPEN	5.9	LOW
M1			NA	OFF	NA	LOW
M2	X		NA	WATER	NA	LOW
M3	X		NA	WATER	NA	LOW
M4			NA	OFF	NA	LOW
N1			NA	OFF	NA	LOW
N2			NA	OFF	NA	LOW
N3			NA	OFF	NA	LOW

NOTE: Total System Flow calculated by Roots Blower program with climate variables of the day of sampling.

LF= limited airflow

TABLE 2
TARGET CONTAMINANT YIELD
VESTAL AREA 4

SAMPLE DATE	SAMPLE NUMBER	WELL NUMBER	1,1,1 TCA (lbs/day)	TCE (lbs/day)	TOTAL TARGET VOCs (lbs/day)
6/23/2003	VS-SS-INF-062303-0	INF	9.58	7.18	16.76
6/23/2003	VS-SS-INF-062303-1	INF	6.37	4.85	11.22
	INFLUENT AVG PER DAY FOR PERIOD		7.98	6.02	13.99
	TOTAL YIELD (lbs) FOR PERIOD (6/23-6/23)				0.56
6/23/2003	VS-SS-INF-062303-1	INF	6.37	4.85	11.22
6/23/2003	VS-SS-INF-062303-4	INF	5.23	5.42	10.66
	INFLUENT AVG PER DAY FOR PERIOD		5.80	5.14	10.94
	TOTAL YIELD (lbs) FOR PERIOD (6/23-6/23)				1.42
6/23/2003	VS-SS-INF-062303-4	INF	5.23	5.42	10.66
6/23/2003	VS-SS-INF-062303-8	INF	4.10	4.33	8.43
	INFLUENT AVG PER DAY FOR PERIOD		4.67	4.88	9.55
	TOTAL YIELD (lbs) FOR PERIOD (6/23-6/23)				1.62
6/23/2003	VS-SS-INF-062303-8	INF	4.10	4.33	8.43
6/24/2003	VS-SS-INF-062403	INF	4.52	6.18	10.70
	INFLUENT AVG PER DAY FOR PERIOD		4.31	5.26	9.57
	TOTAL YIELD (lbs) FOR PERIOD (6/23-6/24)				11.19
6/24/2003	VS-SS-INF-062403	INF	4.52	6.18	10.70
6/25/2003	VS-SS-INF-062503	INF	2.28	2.21	4.48
	INFLUENT AVG PER DAY FOR PERIOD		3.40	4.20	7.59
	TOTAL YIELD (lbs) FOR PERIOD (6/24-6/25)				4.40
6/25/2003	VS-SS-INF-062503	INF	2.28	2.21	4.48
6/27/2003	VS-SVE-INF-062703	INF	3.28	3.26	6.53
	INFLUENT AVG PER DAY FOR PERIOD		2.78	2.74	5.51
	TOTAL YIELD (lbs) FOR PERIOD (6/25-6/27)				10.79
6/27/2003	VS-SVE-INF-062703	INF	3.28	3.26	6.53
7/7/2003	VS-SVE-INF-070703-0001	INF	6.87	5.04	11.91
	INFLUENT AVG PER DAY FOR PERIOD		5.08	4.15	9.22
	TOTAL YIELD (lbs) FOR PERIOD (7/7-7/7)				92.57
7/7/2003	VS-SVE-INF-070703-0001	INF	6.87	5.04	11.91
7/9/2003	VS-SVE-INF-070903-0006	INF	19.45	17.96	36.92
	INFLUENT AVG PER DAY FOR PERIOD		13.16	11.50	24.42
	TOTAL YIELD (lbs) FOR PERIOD (7/7-7/9)				47.85
7/9/2003	VS-SVE-INF-070903-0006	INF	19.45	17.96	36.92
7/17/2003	VS-SVE-INF-071703-0011	INF	8.60	5.65	14.25
	INFLUENT AVG PER DAY FOR PERIOD		14.03	11.81	25.59
	TOTAL YIELD (lbs) FOR PERIOD (7/9-7/17)				114.11
7/17/2003	VS-SVE-INF-071703-0011	INF	8.60	5.65	14.25
7/29/2003	VS-SVE-INF-072903-0016	INF	2.70	1.88	4.67
	INFLUENT AVG PER DAY FOR PERIOD		5.65	3.77	9.46
	TOTAL YIELD (lbs) FOR PERIOD (7/17-7/29)				76.91
7/29/2003	VS-SVE-INF-072903-0016	INF	2.70	1.88	4.67
8/12/2003	VS-SVE-INF-081203-0026	INF	4.07	2.34	6.40
	INFLUENT AVG. PER DAY FOR PERIOD		3.39	2.11	5.54
	TOTAL YIELD (lbs) FOR PERIOD (7/29-8/12)				30.33

TABLE 2
TARGET CONTAMINANT YIELD
VESTAL AREA 4

SAMPLE DATE	SAMPLE NUMBER	WELL NUMBER	1,1,1 TCA (lbs/day)	TCE (lbs/day)	TOTAL TARGET VOCs (lbs/day)
8/12/2003	VS-SVE-INF-081203-0026	INF	4.07	2.34	6.40
8/25/2003	VS-SVE-INF-082503-0031	INF	6.23	5.06	11.28
	INFLUENT AVG. PER DAY FOR PERIOD		5.15	3.70	8.84
	TOTAL YIELD (lbs) FOR PERIOD (8/12-8/25)				90.08
8/25/2003	VS-SVE-INF-082503-0031	INF	6.23	5.06	11.28
9/3/2003	VS-SVE-INF-090303-0036	INF	8.45	4.01	12.46
	INFLUENT AVG. PER DAY FOR PERIOD		7.34	4.54	11.87
	TOTAL YIELD (lbs) FOR PERIOD (8/25-9/3)				103.74
9/3/2003	VS-SVE-INF-090303-0036	INF	8.45	4.01	12.46
9/8/2003	VS-SVE-INF-090803-0041	INF	4.23	2.46	6.70
	INFLUENT AVG. PER DAY FOR PERIOD		6.34	3.24	9.58
	TOTAL YIELD (lbs) FOR PERIOD (9/3-9/8)				38.51
9/8/2003	VS-SVE-INF-090803-0041	INF	4.23	2.46	6.70
9/24/2003	VS-SVE-INF-092403-0099	INF	2.74	1.30	4.04
	INFLUENT AVG. PER DAY FOR PERIOD		3.48	1.88	5.37
	TOTAL YIELD (lbs) FOR PERIOD (9/8-9/24)				72.89
9/24/2003	VS-SVE-INF-092403-0099	INF	2.74	1.30	4.04
10/9/2003	VS-SVE-INF-100903-0109	INF	1.91	1.51	3.42
	INFLUENT AVG. PER DAY FOR PERIOD		2.32	1.40	3.73
	TOTAL YIELD (lbs) FOR PERIOD (9/24-10/9)				55.77
10/9/2003	VS-SVE-INF-100903-0109	INF	1.91	1.51	3.42
10/15/2003	VS-SVE-INF-101503-0114	INF	2.82	2.26	5.08
	INFLUENT AVG. PER DAY FOR PERIOD		2.37	1.89	4.25
	TOTAL YIELD (lbs) FOR PERIOD (10/9-10/15)				25.50
10/15/2003	VS-SVE-INF-101503-0114	INF	2.82	2.26	5.08
10/28/2003	VS-SVE-INF-102803-0119	INF	2.65	2.21	4.86
	INFLUENT AVG. PER DAY FOR PERIOD		2.74	2.24	4.97
	TOTAL YIELD (lbs) FOR PERIOD (10/15-10/28)				64.91
10/28/2003	VS-SVE-INF-102803-0119	INF	2.65	2.21	4.86
11/11/2003	VS-SVE-INF-111103-0124	INF	0.99	1.46	2.45
	INFLUENT AVG. PER DAY FOR PERIOD		1.82	1.84	3.66
	TOTAL YIELD (lbs) FOR PERIOD (10/28-11/11)				25.11
11/11/2003	VS-SVE-INF-111103-0124	INF	0.99	1.46	2.45
11/19/2003	VS-SVE-INF-111903-0129	INF	1.27	1.39	2.65
	INFLUENT AVG. PER DAY FOR PERIOD		1.13	1.43	2.55
	TOTAL YIELD (lbs) FOR PERIOD (11/11-11/19)				19.74
11/19/2003	VS-SVE-INF-111103-0124	INF	1.27	1.39	2.65
12/4/2003	VS-SVE-INF-111903-0129	INF	0.74	0.76	1.50
	INFLUENT AVG. PER DAY FOR PERIOD		1.01	1.08	2.08
	TOTAL YIELD (lbs) FOR PERIOD (11/19-12/4)				32.56
12/4/2003	VS-SVE-INF-111903-0129	INF	0.74	0.76	1.50
1/14/2004	VS-SVE-INF-011404-0197	INF	0.69	0.90	1.59
	INFLUENT AVG. PER DAY FOR PERIOD		0.72	0.83	1.55
	TOTAL YIELD (lbs) FOR PERIOD (12/4-1/14)				12.13

TABLE 2
TARGET CONTAMINANT YIELD
VESTAL AREA 4

SAMPLE DATE	SAMPLE NUMBER	WELL NUMBER	1,1,1 TCA (lbs/day)	TCE (lbs/day)	TOTAL TARGET VOCs (lbs/day)
1/14/2004	VS-SVE-INF-011404-0197	INF	0.69	0.90	1.59
1/26/2004	VS-SVE-INF-012604-0202	INF	1.63	1.79	3.42
	INFLUENT AVG. PER DAY FOR PERIOD		1.16	1.35	2.51
	TOTAL YIELD (lbs) FOR PERIOD (1/14-1/26)				24.17
1/26/2004	VS-SVE-INF-012604-0202	INF	1.63	1.79	3.42
2/9/2004	VS-SVE-INF-020904-0207	INF	3.09	3.10	6.20
	INFLUENT AVG. PER DAY FOR PERIOD		2.36	2.45	4.81
	TOTAL YIELD (lbs) FOR PERIOD (1/26-2/9)				55.27
2/9/2004	VS-SVE-INF-020904-0207	INF	3.09	3.10	6.20
2/24/2004	VS-SVE-INF-022404-0212	INF	3.72	2.91	6.63
	INFLUENT AVG. PER DAY FOR PERIOD		3.41	3.01	6.42
	TOTAL YIELD (lbs) FOR PERIOD (2/9-2/24)				95.58
2/24/2004	VS-SVE-INF-022404-0212	INF	3.72	2.91	6.63
3/10/2004	VS-SVE-INF-031004-0262	INF	2.23	2.54	4.78
	INFLUENT AVG. PER DAY FOR PERIOD		2.98	2.73	5.71
	TOTAL YIELD (lbs) FOR PERIOD (2/24-3/10)				45.58
3/10/2004	VS-SVE-INF-031004-0262	INF	2.23	2.54	4.78
4/5/2004	VS-SVE-INF-040504-0267	INF	2.51	2.56	5.07
	INFLUENT AVG. PER DAY FOR PERIOD		2.37	2.55	4.93
	TOTAL YIELD (lbs) FOR PERIOD (3/10-4/5)				75.11
4/5/2004	VS-SVE-INF-040504-0267	INF	2.51	2.56	5.07
4/27/2004	VS-SVE-INF-042704-0272	INF	1.47	1.64	3.11
	INFLUENT AVG. PER DAY FOR PERIOD		1.99	2.10	4.09
	TOTAL YIELD (lbs) FOR PERIOD (4/5-4/27)				60.45
4/27/2004	VS-SVE-INF-042704-0272	INF	1.47	1.64	3.11
5/11/2004	VS-SVE-INF-051104-0277	INF	2.35	2.77	5.12
	INFLUENT AVG. PER DAY FOR PERIOD		1.91	2.21	4.12
	TOTAL YIELD (lbs) FOR PERIOD (4/27-5/11)				54.36
5/11/2004	VS-SVE-INF-051104-0277	INF	2.35	2.77	5.12
6/1/2004	VS-SVE-INF-060104-0282	INF	2.10	2.59	4.69
	INFLUENT AVG. PER DAY FOR PERIOD		2.23	2.68	4.91
	TOTAL YIELD (lbs) FOR PERIOD (5/11-6/1)				94.18
6/1/2004	VS-SVE-INF-060104-0282	INF	2.10	2.59	4.69
6/22/2004	VS-SVE-INF-062204-0332	INF	1.30	1.11	2.40
	INFLUENT AVG. PER DAY FOR PERIOD		1.70	1.85	3.55
	TOTAL YIELD (lbs) FOR PERIOD (6/1-6/22)				73.91
6/22/2004	VS-SVE-INF-062204-0332	INF	1.30	1.11	2.40
7/13/2004	VS-SVE-INF-071304-0337	INF	4.61	3.23	7.84
	INFLUENT AVG. PER DAY FOR PERIOD		2.96	2.17	5.12
	TOTAL YIELD (lbs) FOR PERIOD (6/22-7/13)				107.37
7/13/2004	VS-SVE-INF-071304-0337	INF	4.61	3.23	7.84
7/22/2004	VS-SVE-INF-072204-0342	INF	3.63	3.46	7.09
	INFLUENT AVG. PER DAY FOR PERIOD		4.12	3.35	7.47
	TOTAL YIELD (lbs) FOR PERIOD (7/13-7/22)				46.95

TABLE 2
TARGET CONTAMINANT YIELD
VESTAL AREA 4

SAMPLE DATE	SAMPLE NUMBER	WELL NUMBER	1,1,1 TCA (lbs/day)	TCE (lbs/day)	TOTAL TARGET VOCs (lbs/day)
7/22/2004	VS-SVE-INF-072204-0342	INF	3.63	3.46	7.09
8/16/2004	VS-SVE-INF-081604-0347	INF	0.54	0.63	1.17
	INFLUENT AVG. PER DAY FOR PERIOD		2.09	2.05	4.13
	TOTAL YIELD (lbs) FOR PERIOD (7/22-8/16)				68.02
8/16/2004	VS-SVE-INF-081604-0347	INF	0.54	0.63	1.17
9/28/2004	VS-SVE-INF-092804-0423	INF	0.37	0.62	0.98
	INFLUENT AVG. PER DAY FOR PERIOD		0.46	0.63	1.08
	TOTAL YIELD (lbs) FOR PERIOD (8/16-9/28)				46.06
9/28/2004	VS-SVE-INF-092804-0423	INF	0.37	0.62	0.98
10/19/2004	VS-SVE-INF-101904-0428	INF	3.15	2.40	5.56
	INFLUENT AVG. PER DAY FOR PERIOD		1.76	1.51	3.27
	TOTAL YIELD (lbs) FOR PERIOD (9/28-10/19)				68.67
10/19/2004	VS-SVE-INF-101904-0428	INF	3.15	2.40	5.56
11/17/2004	VS-SVE-INF-111704-0433	INF	1.69	1.20	2.89
	INFLUENT AVG. PER DAY FOR PERIOD		2.42	1.80	4.23
	TOTAL YIELD (lbs) FOR PERIOD (10/19-11/17)				122.53
11/17/2004	VS-SVE-INF-111704-0433	INF	1.69	1.20	2.89
12/21/2004	VS-SVE-INF-122104-0493	INF	0.07	0.12	0.19
	INFLUENT AVG. PER DAY FOR PERIOD		0.88	0.66	1.54
	TOTAL YIELD (lbs) FOR PERIOD (11/17-12/21)				52.22
12/21/2004	VS-SVE-INF-122104-0493	INF	0.07	0.12	0.19
1/12/2005	VS-SVE-INF-011205-0498	INF	0.29	0.20	0.49
	INFLUENT AVG. PER DAY FOR PERIOD		0.18	0.16	0.34
	TOTAL YIELD (lbs) FOR PERIOD (12/21-1/12)				7.49
1/12/2005	VS-SVE-INF-011205-0498	INF	0.29	0.20	0.49
2/9/2005	VS-SVE-INF-020905-0503	INF	0.58	0.24	0.82
	INFLUENT AVG. PER DAY FOR PERIOD		0.44	0.22	0.66
	TOTAL YIELD (lbs) FOR PERIOD (1/12-2/9)				18.29
2/9/2005	VS-SVE-INF-020905-0503	INF	0.58	0.24	0.82
3/23/2005	VS-SVE-INF-032305-0551	INF	0.14	0.12	0.25
	INFLUENT AVG. PER DAY FOR PERIOD		0.36	0.18	0.54
	TOTAL YIELD (lbs) FOR PERIOD (2/9-3/23)				22.46
3/23/2005	VS-SVE-INF-032305-0551	INF	0.14	0.12	0.25
4/27/2005	VS-SVE-INF-042705-0556	INF	0.00	0.00	0.00
	INFLUENT AVG. PER DAY FOR PERIOD		0.07	0.06	0.13
	TOTAL YIELD (lbs) FOR PERIOD (3/23-4/27)				3.86
4/27/2005	VS-SVE-INF-042705-0556	INF	0.00	0.00	0.00
5/10/2005	VS-SVE-INF-051005-0563	INF	0.00	0.00	0.00
	INFLUENT AVG. PER DAY FOR PERIOD		0.00	0.00	0.00
	TOTAL YIELD (lbs) FOR PERIOD (4/27-5/10)				0.00
5/10/2005	VS-SVE-INF-051005-0563	INF	0.00	0.00	0.00
5/25/2005	VS-SVE-INF-052505-0568	INF	0.00	0.00	0.00
	INFLUENT AVG. PER DAY FOR PERIOD		0.00	0.00	0.00
	TOTAL YIELD (lbs) FOR PERIOD (5/10-5/25)				0.00

TABLE 2
TARGET CONTAMINANT YIELD
VESTAL AREA 4

SAMPLE DATE	SAMPLE NUMBER	WELL NUMBER	1,1,1 TCA (lbs/day)	TCE (lbs/day)	TOTAL TARGET VOCs (lbs/day)
5/25/2005	VS-SVE-INF-052505-0568	INF	0.00	0.00	0.00
6/8/2005	VS-SVE-INF-060805-0616	INF	0.00	0.00	0.00
	INFLUENT AVG. PER DAY FOR PERIOD		0.00	0.00	0.00
	TOTAL YIELD (lbs) FOR PERIOD (5/25-6/8)				0.00
6/8/2005	VS-SVE-INF-060805-0616	INF	0.00	0.00	0.00
8/31/2005	VS-SVE-INF-083105-0621	INF	3.10	0.21	3.31
	INFLUENT AVG. PER DAY FOR PERIOD		1.55	0.11	1.66
	TOTAL YIELD (lbs) FOR PERIOD (6/8-8/31)				29.79
8/31/2005	VS-SVE-INF-083105-0621	INF	3.10	0.21	3.31
9/28/2005	VS-SVE-INF-092805-0626	INF	3.87	0.48	4.34
	INFLUENT AVG. PER DAY FOR PERIOD		3.49	0.35	3.83
	TOTAL YIELD (lbs) FOR PERIOD (8/31-9/28)				107.21
9/28/2005	VS-SVE-INF-092805-0626	INF	3.87	0.48	4.34
10/6/2005	VS-SVE-INF-100605-0631	INF	2.49	0.30	2.79
	INFLUENT AVG. PER DAY FOR PERIOD		3.18	0.39	3.57
	TOTAL YIELD (lbs) FOR PERIOD (9/28-10/6)				28.52
10/6/2005	VS-SVE-INF-100605-0631	INF	2.49	0.30	2.79
11/9/2005	VS-SVE-INF-110905-0636	INF	0.00	0.02	0.02
	INFLUENT AVG. PER DAY FOR PERIOD		1.25	0.16	1.41
	TOTAL YIELD (lbs) FOR PERIOD (10/6-11/9)				47.70
11/9/2005	VS-SVE-INF-110905-0636	INF	0.00	0.02	0.02
12/7/2005	VS-SVE-INF-120705-0684	INF	0.00	0.00	0.00
	INFLUENT AVG. PER DAY FOR PERIOD		0.00	0.01	0.01
	TOTAL YIELD (lbs) FOR PERIOD (11/9-12/7)				0.28
12/7/2005	VS-SVE-INF-120705-0684	INF	0.00	0.00	0.00
1/19/2006	VS-SVE-INF-011906-0689	INF	0.00	0.00	0.00
	INFLUENT AVG. PER DAY FOR PERIOD		0.00	0.00	0.00
	TOTAL YIELD (lbs) FOR PERIOD (12/7-1/19)				0.00
TOTAL YIELD TO REPORTED DATE					2288.74

Note 1: Beginning and ending period influent yields are averaged and then multiplied by the number of operational days during the reporting period.

Note 2: 1,1,1 TCA= 1,1,1-Trichloroethane
 TCE= Trichloroethene

Note 3: INF= Influent

TABLE 3
TOTAL TARGET CONTAMINANT YIELD TO DATE
VESTAL AREA 4

SAMPLE DATE	1,1,1 TCA (lbs)	TCE (lbs)	TOTAL TARGET VOCs (lbs)
6/23/2003	0.00	0.00	0.00
6/23/2003	0.33	0.25	0.58
6/23/2003	1.06	0.89	1.95
6/23/2003	1.84	1.71	3.54
6/24/2003	6.87	7.83	14.70
6/25/2003	8.85	10.28	19.13
6/27/2003	14.28	15.63	29.92
7/7/2003	65.21	57.31	122.52
7/9/2003	90.98	79.35	170.33
7/17/2003	153.51	130.86	284.38
7/29/2003	199.85	161.45	361.30
8/12/2003	218.64	172.99	391.63
8/25/2003	271.09	210.67	481.76
9/3/2003	335.21	250.27	585.48
9/8/2003	360.71	263.28	623.99
9/24/2003	408.05	288.83	696.88
10/9/2003	442.85	309.83	752.68
10/15/2003	457.04	321.14	778.18
10/28/2003	492.69	350.33	843.02
11/11/2003	505.20	362.94	868.14
11/19/2003	513.95	373.96	887.91
12/4/2003	529.68	390.80	920.48
1/14/2004	535.30	397.32	932.62
1/26/2004	546.51	410.29	956.80
2/9/2004	573.66	438.42	1012.08
2/24/2004	624.45	483.19	1107.65
3/10/2004	648.24	504.97	1153.22
4/5/2004	684.38	543.87	1228.25
4/27/2004	713.77	574.92	1288.69
5/11/2004	739.02	604.07	1343.09
6/1/2004	781.81	655.48	1437.29
6/22/2004	817.27	693.97	1511.24
7/13/2004	879.24	739.47	1618.71
7/22/2004	905.17	760.52	1665.69
8/16/2004	939.55	794.17	1733.72
9/28/2004	959.14	820.79	1779.93
10/19/2004	996.13	852.47	1848.60
11/17/2004	1066.51	904.73	1971.24
12/21/2004	1096.44	927.00	2023.44
1/12/2005	1100.43	930.44	2030.87
2/9/2005	1112.63	936.50	2049.13
3/23/2005	1127.81	943.89	2071.71

January Monthly Progress Report
Vestal Well 1-1 Superfund Site
Area 4

SAMPLE DATE	1,1,1 TCA (lbs)	TCE (lbs)	TOTAL TARGET VOCs (lbs)
4/27/2005	1129.95	945.69	2075.64
5/10/2005	1129.95	945.69	2075.64
5/25/2005	1129.95	945.69	2075.64
6/8/2005	1129.95	945.69	2075.64
8/31/2005	1157.80	947.60	2105.40
9/28/05	1255.41	957.29	2212.71
10/6/05	1280.85	960.39	2241.24
11/9/05	1323.19	965.81	2289.00
12/7/05	1323.19	966.13	2289.32
1/19/06	1323.19	966.13	2289.32

NOTE 1:
1,1,1 TCA= 1,1,1-Trichloroethane
TCE= Trichloroethene

APPENDIX A

Sampling and Analytical Data

QA/QC Report for Vestal Samples
(Sample Date: 1/19/06)

1. Sample Receipt

The samples arrived at the lab were carefully packed in coolers. All of the sample bags in the coolers arrived intact and the labels on the bags were found to be complete. The information on the sample labels agreed with the information on the chain-of-custody forms placed inside the shipping coolers.

2. Sample Holding Times

The required holding times were met according to the lab SOP.

3. Instrument Blank Analysis

The instrument blank analysis indicated the instruments did not contain any target compounds.

4. Lab Duplicate Analysis

Vestal Duplicate Sample RPD Report					
Sample ID: VS-SVE-EFF-011906-0691					
Sample Date	Analytes	Data1	Data2	RPD (%)	RPD Acceptable?
1/19/2006	1,1,1-TCA	2.352	2.316	1.5	YES

5. GC Calibrations

The instruments performed target compound standards calibration check each analysis day, or re-run the standards. The results met the requirement in the lab SOP.

6. Lab Authentication Statement

I certify, to the best of my knowledge, that the information in this QA/QC report is true, accurate and complete.



Yixin Li
Chemist
Shaw E & I
14155 Farmington Rd.
Livonia, MI 48154

January Monthly Progress Report
Vestal Well 1-1 Superfund Site
Area 4

SAMPLE DATE	SAMPLE ID	1,1,1-TCA (ppm)	TCE (ppm)	Detection Limits (ppm)
1/19/06	INSTRUMENT BLANK	0.00	0.00	0.05
1/19/06	VS-SVE-TB-011906-0693	0.00	0.00	0.05

Notes: 0.00 indicates below detection limit.

Shaw Lab Analytical Results

Client: Sevenson/USACE

Analysis Date: 1/20/2006

Detection Limit: See below

Analyst: YL

Client Code: 681086

Sample Date: 1/19/2006

Units: ppmv

Project Manager: D. Callahan

<i>SAMPLE ID</i>	<i>1,1,1-TCA</i>	<i>TCE</i>	<i>DL</i>
VS-SVE-INF-011906-0689	0.00	0.00	0.05
VS-SVE-MID-011906-0690	0.00	0.00	0.05
VS-SVE-EFF-011906-0691	1.67	0.00	0.05
VS-SVE-SP-011906-0692	0.00	0.00	0.05
VS-SVE-TB-011906-0693	0.00	0.00	0.05

Notes:

[1] 0.00 indicates BELOW DETECTION LIMIT.

[2] TTC = Total Target Compounds.

DL = Detection Limit.

CHAIN - OF - CUSTODY for AIR SAMPLES

Hour Meter: 18270.0 m³

Flow Meter- Type: _____ Range (cfm): _____

Withdrawl blower - Vacuum : _____ Pressure: _____

Injection blower - Vacuum: _____ Pressure: _____

Client: Sediment Usace Client Code: 08906

Site Address: 210 Stage Rd., West Seneca, NY.

Project Manager: D. Cozzani

System Status : "Operational"

Sample ID.	Date	Time	Indicated Flow (cfm)	Carbon Dioxide (ppm)	Analysis Requested	Notes
1 0690	1-19-06	0915			Toluene	
2 0690		0920			M.D. Carbon	
3 0691		0947			Exhaust	
4 0692		0950			Sample for f	
5 0693					Top Blank	
6						
7						
8						
9						
10						
11						
12						

Collected By: Claudia Restani Date: 1-19-06 Time: 0900

Delivered By: JH Date: _____ Time: _____

Received By: JK Date: 1/20/06 Time: 9:30

Remarks: _____

Environ. Inc.

Sym Enviro/Env. Inc.
New Solutions to Hazardous Waste Problems

103 College Ave
~~1260 Grand River, Lansing, Michigan 48906~~

Grand Lp 105, RT 29503
Phone #: (517) 886-5000 Fax #: (517) 886-5700
616-774-3522

APPENDIX B

Summary of Operation Data/ Contaminant Yield Calculation

Appendix B

Summary of Operation Data

Vestal, Area 4

SAMPLE DATE	SAMPLE ID	REPORT SAMPLE ID	FLOW (CFM)	1,1,1-TCA (ppmv)	TCE (ppmv)	TOTAL TARGETED CONTAMINANTS (ppmv)	LBS OF 1,1,1-TCA per day	LBS OF TCE per day	LBS OF TOTAL TARGETED CONTAMINANTS PER DAY	OPERATION DAYS	STATION HOUR METER	NUMBER OF DAYS IN PERIOD
6/27/03	INF	VS-SVE-INF-062703	517	12.70	12.83	25.53	3.26	6.53	4.04	97.0	97.0	1.96
7/7/2003	INF	VS-SVE-INF-070703-0001	517	26.62	19.87	46.49	6.87	5.04	11.91	14.08	338	10.04
7/9/2003	INF	VS-SVE-INF-070903-0006	517	75.42	68.79	144.21	19.45	17.46	36.92	16.04	385	1.96
7/17/2003	INF	VS-SVE-INF-071703-0011	517	33.34	22.24	55.58	8.60	5.65	14.25	20.50	492	4.46
7/29/2003	INF	VS-SVE-INF-072903-0016	517	10.83	7.39	18.22	2.79	1.88	4.67	28.63	687.2	8.13
8/12/2003	INF	VS-SVE-INF-081203-0026	517	15.77	9.20	24.97	4.07	2.34	6.40	34.11	818.7	5.48
8/25/2003	INF	VS-SVE-INF-082503-0031	512	24.37	20.12	44.49	6.23	5.06	11.28	44.30	1063.3	10.19
9/3/2003	INF	VS-SVE-INF-090303-0036	512	33.08	15.94	49.02	8.45	4.01	12.46	53.0	1273	8.74
9/8/2003	INF	VS-SVE-INF-090803-0041	512	16.57	9.80	26.37	4.23	2.46	6.70	57.1	1369.5	4.02
9/24/2003	INF	VS-SVE-INF-092403-0099	512	10.72	5.16	15.88	2.74	1.30	4.04	70.6	1695.5	13.58
10/15/2003	INF	VS-SVE-INF-101503-0114	512	11.02	8.98	20.00	2.82	2.26	5.07	91.6	2,198.6	20.96
10/15/2003	INF	VS-SVE-INF-101503-0114	512	11.02	8.98	20.00	2.82	2.26	5.07	91.6	2,198.6	0.00
10/28/2003	INF	VS-SVE-INF-102803-0119	512	10.36	8.80	19.16	2.65	2.21	4.86	104.7	2512.0	13.06
11/11/2003	INF	VS-SVE-INF-111103-0124	512	3.89	5.81	9.70	0.99	1.46	2.45	111.5	2,676.9	6.87
11/19/2003	INF	VS-SVE-INF-111903-0129	512	4.96	5.51	10.47	1.27	1.39	2.65	119.3	2,862.7	7.74
12/4/2003	INF	VS-SVE-INF-120403-0187	512	2.89	3.03	5.92	0.74	0.76	1.50	132.0	3,167.2	15.69
1/14/2004	INF	VS-SVE-INF-011404-0197	512	2.71	3.57	6.28	0.69	0.90	1.59	139.8	3,355.7	7.85
1/26/2004	INF	VS-SVE-INF-012604-0202	512	6.39	7.13	13.52	1.63	1.79	3.42	149.5	3,587.2	9.65
2/9/2004	INF	VS-SVE-INF-020904-0207	512	12.11	12.34	24.45	3.09	3.10	6.20	161.0	3,863.0	11.49
2/24/2004	INF	VS-SVE-INF-022404-0212	512	14.57	11.56	26.13	3.72	2.91	6.63	175.9	4,220.7	14.90
3/10/2004	INF	VS-SVE-INF-031004-0262	512	8.74	10.12	18.86	2.23	2.54	4.78	183.9	4,412.5	7.99
4/5/2004	INF	VS-SVE-INF-040504-0267	512	9.82	10.18	19.99	2.51	2.56	5.07	199.1	4,778.4	15.25
4/27/2004	INF	VS-SVE-INF-042704-0272	512	5.76	6.54	12.30	1.47	1.64	3.11	213.9	5133	14.78
5/11/2004	INF	VS-SVE-INF-051104-0277	512	9.21	11.02	20.23	2.35	2.77	5.12	227.1	5,450.0	13.21
6/1/2004	INF	VS-SVE-INF-060104-0282	512	8.24	10.29	18.53	2.10	2.59	4.69	246.3	5,910.7	19.20
6/22/2004	INF	VS-SVE-INF-062204-0332	512	5.08	4.40	9.48	1.30	1.11	2.40	267.1	6,411.0	20.85
7/13/2004	INF	VS-SVE-INF-071304-0337	512	18.05	12.86	30.91	4.61	3.23	7.84	288.1	6,914.3	20.97
7/22/2004	INF	VS-SVE-INF-072204-0342	512	14.22	13.76	27.98	3.63	3.46	7.09	294.4	7,065.3	6.29
8/16/2004	INF	VS-SVE-INF-081604-0347	512	2.13	2.49	4.63	0.54	0.63	1.17	310.9	7,460.5	16.47
9/28/2004	INF	VS-SVE-INF-092804-0423	512	1.45	2.45	3.89	0.37	0.62	0.98	353.7	8,489.0	42.85
10/19/2004	INF	VS-SVE-INF-101904-0428	512	12.35	9.55	21.90	3.15	2.40	5.56	374.7	8,993.0	21.00
11/17/2004	INF	VS-SVE-INF-111704-0433	512	6.63	4.76	11.39	1.69	1.20	2.89	403.8	9,690.0	29.04
12/21/2004	INF	VS-SVE-INF-122104-0493	512	0.29	0.46	0.74	0.07	0.12	0.19	437.7	10,503.8	33.91

Summary of Operation Data

Vestal, Area 4

SAMPLE DATE	SAMPLE ID	REPORT SAMPLE ID	FLOW (CFM)	1,1,1-TCA (ppmv)	TCE (ppmv)	TOTAL TARGETED CONTAMINANTS (ppmv)	LBS OF 1,1,1-TCA per day	LBS OF TCE per day	LBS OF TOTAL TARGETED CONTAMINANTS PER DAY	OPERATION DAYS	STATION HOUR METER	NUMBER OF DAYS IN PERIOD
1/12/2005	INF	VS-SVE-INF-011205-0498	512	1.13	0.79	1.92	0.29	0.20	0.49	459.7	11,032.5	22.03
2/9/2005	INF	VS-SVE-INF-020905-0503	512	2.29	0.94	3.23	0.58	0.24	0.82	487.6	11,702.8	27.93
3/23/2005	INF	VS-SVE-INF-032305-0551	512	0.54	0.46	1.00	0.14	0.12	0.25	529.6	12,710.4	41.98
4/27/2005	INF	VS-SVE-INF-042705-0556	512	0.00	0.00	0.00	0.00	0.00	0.00	560.50	13,452.1	30.90
5/10/2005	INF	VS-SVE-INF-051005-0563	512	0.00	0.00	0.00	0.00	0.00	0.00	573.43	13,762.3	12.93
5/25/2005	INF	VS-SVE-INF-052505-0568	512	0.00	0.00	0.00	0.00	0.00	0.00	588.39	14,121.3	14.96
6/8/2005	INF	VS-SVE-INF-060805-0616	512	0.00	0.00	0.00	0.00	0.00	0.00	602.36	14,456.6	13.97
8/31/05	INF	VS-SVE-INF-083105-0621	512	12.13	0.85	12.98	3.10	0.21	3.31	620.33	14,888.0	17.98
9/28/05	INF	VS-SVE-INF-092805-0626	512	15.13	1.90	17.03	3.87	0.48	4.34	648.37	15,560.8	28.03
10/6/05	INF	VS-SVE-INF-100605-0631	512	9.76	1.18	10.94	2.49	0.30	2.79	656.37	15,752.8	8.00
11/9/05	INF	VS-SVE-INF-110905-0636	512	0.00	0.09	0.09	0.00	0.02	0.02	690.32	16,567.7	33.95
12/7/05	INF	VS-SVE-INF-120705-0684	512	0.00	0.00	0.00	0.00	0.00	0.00	718.33	17,240.0	28.01
1/19/06	INF	VS-SVE-INF-011906-0689	512	0.00	0.00	0.00	0.00	0.00	0.00	761.25	18,270.0	42.92

Appendix B

Example Calculations

Vestal, Area 4

Example: 8/25/03
1,1,1 TCA (ppm) to 1,1,1 TCA (lbs/day)

$$0.00000374(\text{conversion constant}) * 24.37(\text{ppm}) * 512(\text{flow}) * 133.4(\text{molecular weight}) = 6.23 \text{ lbs}$$

Example: 8/12/03 to 8/25/03 'Total Target VOCs'

$$\begin{aligned} [6.40(8/12) + 11.28(8/25)] / 2 &= 8.84 \text{ avg. lbs per day for the period} \\ 8.84 \text{ (lbs per day)} * 10.19 \text{ (days)} &= 90.08 \text{ pounds per reporting period} \end{aligned}$$

Calculated Flow Rate:

Vacuum Pressure (inches Hg) = 6

Blower Speed (RPM) = 2000

Temperature (degrees F) = 72

Elevation = 1200 feet

Based on proprietary Roots, Inc flow rate software for Roots 68 blower, the CFM for these parameters is 512 on 8/25/03

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Appendix B

Influent Sample Parameters

Vesta, Area 4

SAMPLE DATE	SAMPLE ID	VACUUM PRESSURE (inches Hg)	RPM	TEMPERATURE (degrees F)	FLOW (cfm)	PID	OPERATION DAYS	STATION HOUR METER
6/27/03	VS-SVE-INF-062703	6	2000	68	517	34.0	4.0	97.0
7/7/2003	VS-SVE-INF-070703-0001	6	2000	72	517	153.4	14.1	338
7/9/2003	VS-SVE-INF-070903-0006	6	2000	75	517	87.0	16.0	385
7/17/2003	VS-SVE-INF-071703-0011	6	2000	80	517	79.5	20.5	492
7/29/2003	VS-SVE-INF-072903-0016	6	2000	75	517	20.3	28.6	687.2
8/12/2003	VS-SVE-INF-081203-0026	6	2000	73	517	45.6	34.1	818.7
8/25/2003	VS-SVE-INF-082503-0031	6	2000	72	512	27.5	44.3	1063.3
9/3/2003	VS-SVE-INF-090303-0036	6	2000	70	512	21.3	53.0	1273.0
9/8/2003	VS-SVE-INF-090803-0041	6	2000	70	512	22.8	57.1	1369.5
9/24/2003	VS-SVE-INF-092403-0099	6	2000	70	512	12.6	70.6	1695.5
10/15/2003	VS-SVE-INF-101503-0114	6	2000	62	512	14.2	91.6	2,198.6
10/15/2003	VS-SVE-INF-101503-0114	6	2000	68	512	13.7	91.6	2198.6
10/28/2003	VS-SVE-INF-102803-0119	6	2000	65	512	16.4	104.7	2512.0
11/11/2003	VS-SVE-INF-111103-0124	6	2000	54	512	7.9	111.5	2676.9
11/19/2003	VS-SVE-INF-111903-0129	6	2000	50	512	12.1	119.3	2862.7
12/4/2003	VS-SVE-INF-120403-0187	6	2000	48	512	7.7	132.0	3167.2
1/14/2004	VS-SVE-INF-011404-0197	6	2000	50	512	7.7	139.8	3,355.7
1/26/2004	VS-SVE-INF-012604-0202	6	2000	50	512	12.9	149.5	3,587.2
2/9/2004	VS-SVE-INF-020904-0207	6	2000	40	512	21.3	161.0	3,863.0
2/24/2004	VS-SVE-INF-022404-0212	6	2000	45	512	19.5	175.9	4,220.7
3/10/2004	VS-SVE-INF-031004-0262	6	2000	48	512	10.3	183.9	4,412.5
4/5/2004	VS-SVE-INF-040504-0267	6	2000	66	512	11.9	199.1	4778.4
4/27/2004	VS-SVE-INF-042704-0272	6	2000	68	512	5.0	213.9	5133
5/11/2004	VS-SVE-INF-051104-0277	6	2000	64	512	13.4	227.1	5,450.0
6/1/2004	VS-SVE-INF-060104-0282	6	2000	62	512	14.8	246.3	5,910.7
6/22/2004	VS-SVE-INF-062204-0332	6	2000	68	512	7.7	267.1	6,411.0
7/13/2004	VS-SVE-INF-071304-0337	6	2000	76	512	15.4	288.1	6,914.3
7/22/2004	VS-SVE-INF-072204-0342	6	2000	80	512	16.1	294.4	7,065.3
8/16/2004	VS-SVE-INF-081604-0347	6	2000	75	512	5.4	310.9	7,460.5
9/28/2004	VS-SVE-INF-092804-0423	6	2000	60	512	17.4	353.7	8,489.0
10/19/2004	VS-SVE-INF-101904-0428	6	2000	50	512	66.9	374.7	8,993.0
11/17/2004	VS-SVE-INF-111704-0433	6	2000	51	512	47.9	403.75	9,690.0
12/21/2004	VS-SVE-INF-122104-0493	6	2000	54	512	9.9	437.7	10,503.8

Influent Sample Parameters

Vestal, Area 4

SAMPLE DATE	SAMPLE ID	VACUUM PRESSURE (inches Hg)	RPM	TEMPERATURE (degrees F)	FLOW (cfm)	PID	OPERATION DAYS	STATION HOUR METER
1/12/2005	VS-SVE-INF-011205-0498	6	2000	50	512	10.9	459.7	11,032.5
2/9/2005	VS-SVE-INF-020905-0503	6	2000	52	512	12.3	487.6	11,702.8
3/23/2005	VS-SVE-INF-032305-0551	6	2000	60	512	9.6	529.6	12,710.4
4/27/2005	VS-SVE-INF-042705-0556	6	2000	62	512	2.6	560.50	13,452.1
5/10/2005	VS-SVE-INF-051005-0563	6	2000	65	512	1.5	573.43	13,762.3
5/25/2005	VS-SVE-INF-052505-0568	6	2000	70	512	1.0	588.39	14,121.3
6/8/2005	VS-SVE-INF-060805-0616	6	2000	75	512	1.1	602.36	14,456.6
8/31/2005	VS-SVE-INF-083105-0621	6	2000	74	512	4.3	620.33	14,888.0
9/28/05	VS-SVE-INF-092805-0626	6	2000	65	512	3.3	648.37	15,560.8
10/6/05	VS-SVE-INF-100605-0631	6	2000	60	512	5.1	656.37	15,752.8
11/9/05	VS-SVE-INF-110905-0636	6	2000	50	512	3.6	690.32	16,567.7
12/7/05	VS-SVE-INF-120705-0684	6	2000	45	512	1.2	718.33	17,240.0
1/19/06	VS-SVE-INF-011906-0689	6	2000	40	512	0.9	761.25	18,270.0