

July 24, 2007

Mr. Jeff Dyber, P.E.  
Environmental Engineer 2  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Eastern Remedial Action  
625 Broadway  
Albany, New York 12233

Re: National Heatset Printing  
**Operation & Maintenance Report-  
January-February-March 2007**  
1 Adams Boulevard  
Farmingdale, New York  
NYSDEC Site 1-52-140

File: 10653/35518 #5

Dear Mr. Dyber:

This letter provides an overview of the ongoing operation of the soil vapor extraction (SVE) system at the National Heatset Printing Site in Farmingdale, New York (Figure 1). Site visits were performed by YEC, Inc. (YEC) personnel on February 26, 2007 and on March 19, 2007 on behalf of O'Brien & Gere Engineers, Inc (OBG) in accordance with our approved Work Plan.

#### **System Operation**

Upon arrival of the routine monthly site inspection on February 26, 2007, YEC personnel discovered the SVE system was not operating. YEC reported that a system circuit tripped shutting down the blower. The circuit was reset, but the system would not restart. At that time, it was determined the system required repairs beyond the capacity of YEC personnel. On March 8, 2007, Grey Electric replaced the shaft bearings and bushings and the blower motor was placed back in service.

Based on the run time meter, the system was operational for a total of 476 hours during this reporting period (January 26, 2007 to March 19, 2007). The system operational data is summarized in Table 1 and on the site visit data collection form provided in Appendix A.

A flow of 162.5 cfm and a vacuum of 80 inches of water column were observed at the extraction well. The SVE blower operated at a flow of 135 cubic feet per minute (cfm) as measured at the SVE influent. Field personnel recorded a tetrachloroethene (PCE) concentration of 2.0 ppm (by Draeger tube) and a concentration of volatile organic compounds (VOCs) of 0.2 ppm (by PID) from the extraction well (pre-dilution).

VOC concentrations of 7.3 ppm (by PID) and a PCE concentration of 5.0 ppm (by Draeger Tube) were observed at the SVE influent port during the site visit. A VOC concentration of 2.4 ppm (by PID) and a PCE concentration of 0.0 ppm (by Draeger Tube) were observed from the Vapor-phase Granular Activated Carbon (VGAC) mid sampling port and VOC and PCE concentrations of 0.0 ppm were observed at the effluent sampling port. Refer to Table 1.

Mr. Jeff Dyber, P.E.  
July 24, 2007  
Page 2

### **Monitoring Probes**

A vacuum of 5.3, 0.35, 0.2, 0.5, 0.0, 0.0, 0.4, 0.19, 0.08, 0.00, 0.00 and 0.00 inches of water column were observed during the site visit at vapor monitoring points VP-1, VP-2, VP-3, VP-7, VP-8, VP-9, VP-10, VP-11, VP-12, VP-13, VP-14 and VP-15 respectively. The vapor points will continue to be monitored during future site visits.

### **PCE Removal**

PCE removal was calculated for this reporting period using SVE influent PCE concentrations and flow rate measured at the SVE influent sampling point. The SVE system removed approximately 3 pounds of PCE from the extraction well during this reporting period and has removed approximately 2,544 pounds of PCE to date. A summary of the estimated PCE mass removal over time is presented in Table 2.

### **Air Discharge Monitoring**

YEC personnel collected an air sample from the system effluent and submitted the sample to Mitkem Corporation for analysis. The sample was analyzed for volatile organic compounds (VOCs) using USEPA method TO-14. Concentrations of PCE, TCE and Cis-1, 2-DCE were not detected above the method detection limit of 1.0 mg/m<sup>3</sup>. Analytical results are summarized in Table 3 and the laboratory data report is presented in Appendix B. A summary of the field monitoring and laboratory air discharge monitoring results is presented as Table 4.

Based on the effluent sampling results, no PCE, TCE or Cis-1, 2-DCE was discharged during the reporting period. A total of 0.00 lb of PCE has been discharged during the year 2007 toward the permitted annual discharge limit of 270 lb. A total of 0.00 lb of cis-1, 2-DCE has been discharged during the year 2007 toward the permitted annual discharge limit of 5,510 lbs. A total of 0.00 lb of TCE has been discharged during the year 2007 toward the permitted annual discharge limit of 120 lb.

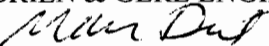
### **Conclusions and Recommendations**

Based on the data collected from the SVE system during this reporting period, OBG recommends continued operation of the SVE system. The dilution valve remained in the 25% open position. The extraction well (MW-F) valve remained at the 100% open position.

Please do not hesitate to contact me at 315-437-6100 with any questions you might have regarding this report.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

  
Marc J. Dent P.E.  
Managing Engineer

cc. Trevor Staniec – O'Brien & Gere  
Dan Simpson - YEC

## TABLES

TABLE 1  
SUMMARY OF SOIL VAPOR EXTRACTION SYSTEM READINGS  
NATIONAL HEATSET PRINTING  
1 ADAMS BLVD., FARMINGDALE, NY

Date	Run Time Meter Reading (hours)	Run Time Since Last Visit (hours)		Operation Time Since Last Visit (%)	Dilution Valve Position (% Open)	Extraction Well MW-F Valve Position (% Open)	Air Flow at Well (scfm)	Vacuum at Well (inches H2O)	Pre-Dilution PID (ppm)	Pre-Dilution PCE (ppm)	Influent SVE				Mid GAC				Effluent GAC			
		Available	Actual								Blower Flow (cfm)	Vacuum (inches H2O)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)
9/18/2002	--	--	--	--	--	--	--	--	--	--	--	317	102.3	0	--	290	89.5	0	--			
9/30/2002	304	294	100%	100	50	50	34.5	5	2,000	500	500	256	25	1,015	--	256	107.2	1,015	--			
10/14/2002	642	338	99%	100	50	50	38	7	1,011	400	400	258	27	75.3	50	258	--	75.3	50			
11/19/2002	1508	866	98%	100	50	50	49	12	0	0	0	120	28	106	0	120	92	0	290			
12/4/2002	--	368	--	--	--	--	--	--	77	200	200	--	--	14.3	10	--	--	14.3	10			
12/16/2002	2153	294	98%	100	50	50	36.5	10	560	200	253	28	28	92	50	253	92	46.4	50			
1/21/2003	3016	863	98%	100	50	50	--	--	--	--	70	52	52	98	0	70	98	0	220			
2/10/2003	3496	480	98%	100	50	50	38	--	639	400	262	27	27	102	50	262	102	72	50			
3/18/2003	4360	864	98%	100	50	50	92	12	125	100	266	25	25	123	15	266	123	15	258			
4/29/2003	5359	1029	97%	75	50	50	75	50	152	50	132	16	16	118.5	48.2	132	118.5	48.2	25			
5/13/2003	5700	341	99%	75	50	50	78	--	127	50	239	48	48	130	41.8	239	130	41.8	50			
6/30/2003	6850	1176	98%	50	50	50	115	32	82.4	50	140	66	66	173	36.8	140	173	36.8	50			
7/10/2003	6851	245	0%	50	50	50	99.5	25	406	400	151	68	68	156	221	151	156	221	215			
7/22/2003	7144	294	100	50	50	50	121	44	127	10	172	70	70	168	65	172	168	65	--			
8/26/2003	7957	858	95	50	50	50	79	13.5	137	10	186	65	65	170	51.4	186	170	51.4	5			
9/23/2003	8274	686	317	46	50	50	218	33	141	15	194	64	64	160	55	194	160	55	30			
10/21/2003	8945	686	671	98	50	50	166	45	--	20	158	68	68	166	37.5	158	166	37.5	25			
11/24/2003	9749	833	805	97	50	50	130	46	141	125	178	72	72	138	261	178	138	261	200			
1/6/2004	9750	1054	1	0	50	50	98.5	74	118	100	164	12	12	140	247	164	140	247	250			
2/9/2004	10336	833	586	70	50	50	121	44	23.1	10	172	70	70	155.8	29.8	172	155.8	29.8	25			
3/30/2004	11289	1225	953	78	50	50	103	>50	34	<10	198	70	70	160	22	198	160	22	<10			
4/8/2004	11441	221	152	69	50	75	127	--	23.7	<10	--	--	--	--	--	--	180	83	30			
4/29/2004	11768	515	327	64	50	75	131	>60	2.4	50	--	76	76	170	2.2	--	170	2.2	0			
5/24/2004	12264	613	496	81	50	75	144	75	43.8	50	172	75	75	178	33.1	172	178	33.1	<50			
6/22/2004	12817	711	553	78	50	75	127	74	57	70	140	76	76	180	52	140	180	52	30			
7/28/2004	13630	862	813	92	50	75	142	76.5	53.2	7	161	76.5	76.5	159	41.1	161	159	41.1	25			
8/31/2004	13989	833	359	43	25	90	157	58	48	0	104	74	74	137	202	104	137	202	200			
9/29/2004	14256	711	267	38	50	75	139	60	--	--	140	76	76	153	27.7	140	153	27.7	--			
10/20/2004	14729	515	473	92	50	75	155	58	--	--	120	76	76	160	19.1	120	160	19.1	10			
11/17/2004	15229	686	499	73	75	50	160	80	17.9	<5	148	77	77	160	13.5	148	160	13.5	<10			
12/22/2004	15565	868	337	39	75	50	143	80	15.8	<5	125	85	85	160	18.3	125	160	18.3	10			
1/20/2005	15933	711	368	52	25	100	--	--	--	--	--	--	--	--	--	--	--	--	--			
2/23/2005	15933	833	0	0	75	50	87.5	36	174	50	188	58	58	110	93	188	110	93	50			
3/29/2005	16217	833	284	34	75	50	87.5	40	--	--	158	--	--	121	6.4	158	121	6.4	4.5			
4/28/2005	--	720	720	100	75	50	86	39	7.4	9.5	227	--	--	126	8.9	227	126	8.9	5			
5/31/2005	--	792	792	100	50	50	98	39	7.4	9.5	208	--	--	124.2	10.4	208	124.2	10.4	10			
6/24/2005	--	576	576	100	50	50	125	25	28.5	16	266	--	--	152	8.3	266	152	8.3	7			
8/4/2005	17972	984	984	100	75	65	216	26	38.1	19	353	--	--	153.4	8.8	353	153.4	8.8	12			
9/13/2005	859	960	960	100	75	50	89.5	25	59.6	14	226	--	--	164.5	18.3	226	164.5	18.3	12			
10/10/2005	1502	643	643	100	75	35	86	27	59.2	19	222	--	--	101.3	21.7	222	101.3	21.7	10			
11/11/2005	2271	769	769	100	50	50	79	31	--	5	209	--	--	110.9	12.2	209	110.9	12.2	9			

Notes:  
 (1) Calculated flows based on the average of flows measured on 3-28-05 and 4-28-05  
 (2) Run time meter reading not indicative of SVE system run time; actual hours run is assumed 100% of available.  
 PID = Total VOC concentration measured with photoionization detector  
 PCE = Tetrachloroethene (PCE) concentration measured with Dräger tube of 10-500 ppm range  
 scfm = standard cubic feet per minute  
 cfm = cubic feet per minute  
 -- = measurement not recorded or not applicable.  
 Influent SVE = Readings collected between the SVE Blower and the Carbon Units  
 Mid GAC = Readings collected between the lead and lag carbon units  
 Effluent GAC = Readings collected after the lag carbon unit  
 GAC = granular activated carbon unit  
 As of 4/28/05, the calculation of "Available" run time hours is based on 24 hours, rather than 24.5 hours as previously calculated.

TABLE 1  
 SUMMARY OF SOIL VAPOR EXTRACTION SYSTEM READINGS  
 NATIONAL HEATSET PRINTING  
 1 ADAMS BLVD., FARMINGDALE, NY

Date	Run Time Meter Reading (hours)	Run Time Since Last Visit (hours)		Operation Time Since Last Visit (%)	Dilution Valve Position (% Open)	Extraction Well MW-F Valve Position (% Open)	Air Flow at Well (scfm)	Vacuum at Well (inches H <sub>2</sub> O)	Pre-Dilution PID (ppm)	Pre-Dilution PCE (ppm)	Influent SVE				Mid GAC				Effluent GAC				
		Available	Actual								Blower Flow (cfm)	Vacuum (inches H <sub>2</sub> O)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)
12/8/2005	2918	647	647	100%	50	50	79	29	22.2	5.0	235	--	113.5	7.2	2.0	227	96.7	6.8	2	212	79.8	0.1	0.0
1/6/2006	3614	696	696	100%	50	75	120	42	2.7	2.0	245	--	82	32.5	4.0	280	83.9	19.0	2.0	265	77.5	5.8	0.0
Spent Carbon Replaced 1/25/06																							
2/6/2006	4332	744	718	100%	75	75	80	25	16.3	3.0	292	--	78	3.6	2.0	333	90.9	0.0	0.0	322	77	0.0	0.0
3/14/2006	5200	868	868	100%	75	75	188	49	12.9	2.0	212	--	132.8	5.5	5.0	287	135.6	0.0	0.0	232	115.1	0.0	0.0
4/12/2006	5895	695	695	100%	75	75	115	47	14.1	2.0	259	--	152.1	6.1	6.0	249	153.2	0.0	0.0	271	135.1	0.0	0.0
5/4/2006	6420	525	525	100%	50	75	189	51	17.9	2.0	199	--	145.2	7.8	5.0	186	136.1	0.1	0.0	214	117.8	0.0	0.0
6/12/2006	7354	934	934	100%	50	100	156	53	5.5	4.0	216	--	141	7.9	9.0	270	134	4.1	3.0	253	116	0.0	0.0
7/12/2006	8074	720	720	100%	50	100	163	54	8.1	2.0	191	--	146	8.3	8.0	210	145	8.8	10.0	196	134	0.0	0.0
8/7/2006	8696	622	622	100%	50	100	136	54	11.3	4.0	201	--	148.7	8.7	7.5	239	135.6	2.0	0.0	210	118.3	0.0	0.0
9/21/2006	9781	1085	1085	100%	50	100	124.5	53	8.9	4.0	227	--	127	7.7	9.0	143	106.9	9.7	7.0	203	99.2	2.1	0.0
Spent Carbon Replaced 10/11/06																							
10/18/2006	10417	636	636	100%	50	100	130	54	1.0	4.0	231	--	154.8	6.0	8.0	154	130.3	0.0	0.0	236	131.1	0.0	0.0
11/29/2006	11425	1008	1008	100%	50	100	130	52	0.6	1.0	193.5	--	138.8	1.6	4.0	226	137.8	0.0	0.0	202	118.0	0.0	0.0
12/21/2006	11953	528	528	100%	50	100	132	54	0.1	1.0	178	--	107.8	4.6	3.0	254	107.4	0.0	0.0	210	93.3	0.0	0.0
1/26/2007	12820	867	867	100%	25	100	156	80	0.0	0.0	142.5	--	135.0	0.4	4.0	123	124.0	0.0	0.0	142	102.3	0.0	0.0
3/19/2007	13296	1248	476	38%	25	100	162.5	80	0.2	2.0	135	--	140.7	7.3	5.0	215	110.1	2.4	0.0	172	120.0	0.0	0.0

Notes:

- (1) Calculated flows based on the average of flows measured on 3-29-05 and 4-28-05
- (2) Run time meter reading not indicative of SVE system run time; actual hours run is assumed 100% of available.
- PID = Total VOC concentration measured with photoionization detector
- ppm = parts per million (volume/volume basis)
- PCE = Tetrachloroethene (PCE) concentration measured with Dräger tube of 10-500 ppm range
- scfm = standard cubic feet per minute
- cfm = cubic feet per minute
- = measurement not recorded or not applicable.
- Influent SVE = Readings collected between the SVE Blower and the Carbon Units
- Mid GAC = Readings collected between the lead and lag carbon units
- Effluent GAC = Readings collected after the lag carbon unit
- GAC = granular activated carbon unit
- As of 4/28/05, the calculation of "Available" run time hours is based on 24 hours, rather than 24.5 hours as previously calculated.

**TABLE 2**  
**PCE**  
**REMOVAL ESTIMATE**  
**NATIONAL HEATSET PRINTING**  
**1 ADAMS BLVD., FARMINGDALE, NY**

Date	VOC Influent Concentration (ppmv)	PCE Influent Concentration (ppmv)	% PCE of Total VOCs	Extraction Well Flow Rate (cfm) <sup>(2)</sup>	Elapsed Time Since Last Visit (day)	PCE Removal Since Last Visit (lb)	Cumulative PCE Removal (lb)
9/18/2002	SVE PILOT TEST STARTUP						
9/30/2002	2000 <sup>(1)</sup>	500 <sup>(1)</sup>	25.0	34.5	12	126	126
10/14/2002	1,011	400	39.6	38	14	127	253
11/19/2002	0	0	--	49	36	113	367
12/16/2002	560	200	35.7	36.5	27	69	436
1/13/2003	485	400	82.5	28.5	28	154	589
1/21/2003	0	0	--	0	8	63	652
2/10/2003	639	400	62.6	38	20	64	715
3/5/2003	263	200	76.0	24.4	23	129	844
3/18/2003	125	100	80.0	92	13	76	920
4/29/2003	152	50	32.9	75	42	105	1,025
5/13/2003	127	50	39.4	78	14	65	1,090
6/30/2003	82.4	50	60.7	115	48	89	1,179
7/22/2003	406	400	98.5	99.5	12	187	1,367
8/26/2003	137	10	7.3	79	35	276	1,643
9/23/2003	141	15	10.6	218	14	14	1,657
10/21/2003	37.5	20	53.3	166	28	41	1,698
11/24/2003	141	125	88.7	130	34	179	1,877
1/6/2004	118	100	84.7	98.5	43	--	1,877
2/9/2004	23.1	10	43.3	121	34	91	1,968
3/30/2004	22	10	45.5	103	50	22	1,990
4/29/2004	2.4	0	0.0	131	30	8	1,999
5/24/2004	43.8	50	114.2	144	25	49	2,047
6/22/2004	57	10	17.5	127	29	54	2,102
7/28/2004	53.2	7	13.2	142	36	21	2,122
8/12/2004	48	0	0	157	15	8	2,130
9/29/2004	27.7	0	--	139	48	0	2,130
10/20/2004	19.1	10	--	140	21	14	2,144
11/17/2004	17.9	10	55.9	160	28	16	2,160
12/22/2004	15.8	5	31.6	143	35	9	2,169
1/20/2005	--	--	--	--	--	--	--
2/23/2005	174	50	28.7	87.5	34	--	--
Date	VOC Influent Concentration (ppmv)	PCE Influent Concentration (ppmv)	% PCE of Total VOCs	SVE Influent Flow Rate (cfm) <sup>(2)</sup>	Elapsed Time Since Last Visit (day)	PCE Removal Since Last Visit (lb)	Cumulative PCE Removal (lb)
3/29/2005	6.4	4.5	70.3	158	34	11	2,180
4/28/2005	8.9	5	56.2	227	30	10	2,190
5/31/2005	10.4	10	96.2	208	33	18	2,208
6/24/2005	8.3	7	84.3	266	24	16	2,224
8/4/2005	8.8	12	136.4	353	41	39	2,263

Notes:

<sup>(1)</sup> = VOC concentrations of 2,000 ppm and PCE concentrations of 500 ppm are greater than the limit of their respective monitoring device and are to be taken as estimations.

<sup>(2)</sup> SVE Influent (post-dilution) monitoring point data used for calculation of PCE Removal for dates including and subsequent to March 29, 2005; Removal updated on 1-3-06 to represent SVE Influent flow rate.

$$\text{Removal Rate} = \{(\text{flow}(\text{cfm}) \times \text{influent conc.}(\text{ppmv}) \times \text{MW} \times 12.187) / (273.15 + \text{C})\} \times 1 \text{ cu. m.} / 35.31 \text{ cu. ft} \times 1 \text{ g} / 1000 \text{ mg} \times 1 \text{ lb} / 453.6 \text{ g} \times 60 \text{ min} / 1 \text{ hr} \times 24 \text{ hr} / 1 \text{ day} \times \text{days of operation}$$

<sup>(3)</sup> Run time meter reading not indicative of SVE system run time; actual hours run is assumed equal to elapsed time.

Where: MW = molecular weight  
Molecular weight (MW) of PCE is 165.85  
C = degrees centigrade, as measured  
flow = average of the present and the previous months measured SVE influent rate in cubic feet per minute (cfm)  
lb = pounds  
ppmv = parts per million (volume/volume basis)  
-- = information not available

**TABLE 2**  
**PCE**  
**REMOVAL ESTIMATE**  
**NATIONAL HEATSET PRINTING**  
**1 ADAMS BLVD., FARMINGDALE, NY**

Date	VOC Influent Concentration (ppmv)	PCE Influent Concentration (ppmv)	% PCE of Total VOCs	SVE Influent Flow Rate (cfm) <sup>(2)</sup>	Elapsed Time Since Last Visit (day)	PCE Removal Since Last Visit (lb)	Cumulative PCE Removal (lb)
<i>Spent Carbon Replaced 8/10/05</i>							
9/13/2005	18.3	12	65.6	226	40	43	2,306
10/10/2005	21.7	10	46.1	222	27	22	2,328
11/11/2005	12.2	9	73.8	209	32	25	2,353
12/8/2005	7.2	2	27.8	235	27	12	2,365
1/6/2006	32.5	4	12.3	245	29	8	2,373
<i>Spent Carbon Replaced 1/25/06</i>							
2/6/2006	3.6	2	55.6	292	30	10	2,383
3/14/2006	5.5	5	90.9	212	36	13	2,396
4/12/2006	6.1	6	98.4	259	29	14	2,410
5/4/2006	7.8	5	64.1	199	22	9	2,419
6/12/2005	7.9	9	113.9	216	39	18	2,437
7/12/2006	8.3	8	96.4	191	30	17	2,454
8/7/2006	8.7	7.5	86.2	201	26	13	2,467
9/21/2006	7.7	9	116.9	227	45	27	2,494
<i>Spent Carbon Replaced 10/11/06</i>							
10/18/2006	6	8	133.3	231	27	17	2,511
11/29/2006	1.6	4	250.0	193.5	42	18	2,529
12/21/2006	4.6	3	65.2	178	22	5	2,534
1/26/2007	0.4	4	1000.0	142.5	36	7	2,541
3/19/2007	0.2	2	1000.0	135	20	3	2,544

Notes:

(1) = VOC concentrations of 2,000 ppm and PCE concentrations of 500 ppm are greater than the limit of their respective monitoring device and are to be taken as estimations.

(2) SVE Influent (post-dilution) monitoring point data used for calculation of PCE Removal for dates including and subsequent to March 29, 2005; Removal updated on 1-3-06 to represent SVE Influent flow rate.

Removal Rate =  $\frac{(\text{flow}(\text{cfm}) \times \text{inluent conc.}(\text{ppmv}) \times \text{MW} \times 12.187)}{(273.15 + C)} \times 1 \text{ cu. m.}/35.31 \text{ cu. ft} \times 1\text{g}/1000 \text{ mg} \times 1 \text{ lb}/453.6 \text{ g} \times 60 \text{ min}/1 \text{ hr} \times 24 \text{ hr}/1 \text{ day} \times \text{days of operation}$

(3) Run time meter reading not indicative of SVE system run time; actual hours run is assumed equal to elapsed time.

Where: MW = molecular weight  
 Molecular weight (MW) of PCE is 165.85  
 C = degrees centigrade, as measured  
 flow = average of the present and the previous months measured SVE influent rate in cubic feet per minute (cfm)

lb = pounds  
 ppmv = parts per million (volume/volume basis)  
 -- = information not available

(4) Elapsed time for the 1-26-07 to 3-19-07 time period is 52 days, however, the system was down for repair during that time. The run time meter indicates that the system was operated for 20 days of that time period.

**TABLE 3**  
**AIR SAMPLE ANALYTICAL RESULTS**  
**NATIONAL HEATSET PRINTING**  
**1 ADAMS BLVD., FARMINGDALE, NY**

<b>SVE Influent Concentration (mg/m3)</b>			
<b>Date</b>	<b>cis-1,2-Dichloroethene</b>	<b>Tetrachloroethene (PCE)</b>	<b>Trichloroethene</b>
9/18/2002	5	600E	31
9/30/2002	ND (5)	360E	23
10/14/2002	--	--	--
11/19/2002	--	--	--

<b>VGAC Effluent Concentration (mg/m3)</b>			
<b>Date</b>	<b>cis-1,2-Dichloroethene</b>	<b>Tetrachloroethene (PCE)</b>	<b>Trichloroethene</b>
9/18/2002	--	--	--
9/30/2002	--	--	--
10/14/2002	--	--	--
11/19/2002	--	--	--
12/16/2002	ND (5)	ND (5)	ND (5)
1/21/2003	--	--	--
2/10/2003	ND (5)	8	6
3/18/2003	--	--	--
4/29/2003	--	--	--
5/13/2003	ND (1)	5	ND (1)
6/30/2003	--	--	--
7/22/2003	ND (1)	ND (1)	ND (1)
8/26/2003	ND (5)	29	3.6
9/23/2003	ND (5)	ND (5)	ND (5)
10/21/2003	ND (5)	ND (5)	ND (5)
11/24/2003	--	--	--
1/6/2004	--	--	--
2/9/2004	10	ND (5)	ND (5)
3/30/2004	2J	77	1J
4/29/2004	ND (5)	10	ND (5)
5/24/2004	ND (1)	ND (1)	ND (1)
6/22/2004	ND (1)	ND (1)	ND (1)
7/28/2004	ND (5)	ND (5)	ND (5)
8/12/2004	--	--	--
9/29/2004	ND (1)	ND (1)	ND (1)
10/20/2004	ND (1)	ND (1)	ND (1)
11/17/2004	ND (1)	ND (1)	ND (1)
12/22/2004	ND (1)	ND (1)	ND (1)
1/20/2005	--	--	--
3/29/2005	2	ND (1)	ND (1)
4/28/2005	1	0.5J	ND (1)
5/31/2005	1	5	2
6/24/2005	0.8J	64	2
8/4/2005	0.7J	57	1J
<i>Spent Carbon Replaced 8/10/05</i>			
9/13/2005	ND (1)	ND (1)	ND (1)
10/10/2005	ND (1)	ND (1)	ND (1)
11/11/2005	ND (1)	ND (1)	ND (1)
12/8/2005	ND (1)	ND (1)	ND (1)
1/6/2006	ND (1)	ND (1)	ND (1)
<i>Spent Carbon Replaced 1/25/06</i>			
2/6/2006	ND (1)	1	ND (1)

**Notes:**

Only compounds that were detected above the method reporting limit were presented above

ND (5) = Not detected above method reporting limit in parenthesis

E = Concentration exceeded calibration range

-- = sample not collected

SVE = Soil vapor extraction

J = Estimated Value

VGAC = vapor-phase granular activated carbon

mg/m3 = milligrams per cubic meter



**TABLE 3  
AIR SAMPLE ANALYTICAL RESULTS  
NATIONAL HEATSET PRINTING  
1 ADAMS BLVD., FARMINGDALE, NY**

<b>VGAC Effluent Concentration (mg/m<sup>3</sup>)</b>			
<b>Date</b>	<b>cis-1,2-Dichloroethene</b>	<b>Tetrachloroethene (PCE)</b>	<b>Trichloroethene</b>
3/14/2006	ND (1)	ND (1)	ND (1)
4/12/2006	ND (1)	0.6J	ND (1)
5/4/2006	ND (1)	ND (1)	ND (1)
6/12/2006	ND (1)	ND (1)	ND (1)
7/12/2005	0.6 J	ND (1)	ND (1)
8/7/2006	ND (1)	1	ND (1)
9/21/2006	0.4 J	2	0.8 J
<b>Spent Carbon Replaced 10/11/06</b>			
10/18/2006	No sample collected		
11/29/2006	ND (1)	0.9J	ND (1)
12/28/2006	ND (1)	ND (1)	ND (1)
(sample collected 12/21/06 lost due to tedlar bag leak; replacement sample collected 12/28/06)			
1/26/2007	ND (1)	ND (1)	ND (1)
3/19/2007	ND (1)	ND (1)	ND (1)
(sample collected 3/12/07 following SVE system repair)			

Notes:  
Only compounds that were detected above the method reporting limit were presented above  
ND (5) = Not detected above method reporting limit in parenthesis  
E = Concentration exceeded calibration range      -- = sample not collected  
SVE = Soil vapor extraction                                J = Estimated Value  
VGAC = vapor-phase granular activated carbon      mg/m<sup>3</sup> = milligrams per cubic meter

**TABLE 4**  
**AIR DISCHARGE MONITORING**  
**NATIONAL HEATSET PRINTING**  
**1 ADAMS BLVD., FARMINGDALE, NY**

Date	System Effluent Flow Rate (cfm)		Field Monitoring		Elapsed Time (day)	Laboratory Results			Discharge based on Field Monitoring				Discharge based on Laboratory Results				
	Flow Rate (cfm)	Concentration (ppmv)	PCE System Effluent Concentration (ppmv)	System Effluent VOC Concentration (ppmv)		PCE (mg/cu m.)	TCE (mg/cu m.)	cis-1,2-DCE (mg/cu m.)	PCE Discharge Since Last Visit (lb/hr)	PCE Discharge Since Last Visit (lb)	TCE Discharge Since Last Visit (lb/hr)	TCE Discharge Since Last Visit (lb)	cis-1,2-DCE Discharge Since Last Visit (lb/hr)	cis-1,2-DCE Discharge Since Last Visit (lb)			
9/18/2002	290	0	--	0	12	--	--	--	--	--	--	--	--	--	--	--	--
9/30/2002	--	0	--	0	14	--	--	--	--	--	--	--	--	--	--	--	--
10/14/2002	290	0	--	0	36	--	--	--	--	--	--	--	--	--	--	--	--
11/19/2002	340	0	--	0	27	ND (5)	ND (5)	ND (5)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/16/2002	45	0	--	0	28	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--
1/13/2003	220	0	--	0	8	--	--	--	--	--	--	--	--	--	--	--	--
2/10/2003	258	3.2	10	3.2	20	8.0	6.0	ND (5)	0.0654	31.40	0.008	0.006	2.78	0.00	0.00	0.00	0.00
3/5/2003	305	0	--	0	23	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2003	282	0	0	0	13	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--
4/29/2003	287	0	0	0.6	42	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--
5/13/2003	245	0	0	0.6	14	5.0	ND (1)	ND (1)	0.0000	0.00	0.005	1.54	0.00	0.00	0.00	0.00	0.00
6/30/2003	240	100	29.8	0	48	--	--	0.3043	350.56	--	--	--	--	--	--	--	--
7/22/2003	222	0	12	0	18	ND (1)	ND (1)	ND (1)	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/26/2003	232	10	35.6	0	35	29.0	3.6	ND (5)	0.0588	49.42	0.025	0.003	2.63	0.00	0.00	0.00	0.00
9/23/2003	210	0	0	0	28	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00
10/21/2003	225	0	0	0	28	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00
11/24/2003	205	0	0	0	34	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--
<b>2003 Totals:</b>										<b>431.38</b>			<b>26.42</b>		<b>5.41</b>		<b>0.00</b>
1/6/2004	200	0	0	0	43	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--
2/9/2004	235	0	0	0	34	ND (5)	ND (5)	10	0.0000	0.00	0.000	0.000	0.00	0.000	0.009	7.18	0.00
3/30/2004	160	5	24	0	50	77	1J	2J	0.0203	24.34	0.046	0.001	0.72	0.001	0.001	1.44	0.00
4/29/2004	255	0	0	0	30	10	ND (5)	ND (5)	0.0000	0.00	0.010	0.001	0.69	0.001	0.002	1.38	0.00
5/24/2004	198	0	0	0	25	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00
6/22/2004	210	0	0	0	29	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00
7/28/2004	181	0	3.1	0	36	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00
8/12/2004	187	0	0.1	0	15	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--
9/29/2004	205	--	0	0	48	ND (1)	ND (1)	ND (1)	--	--	0.000	0.000	0.00	0.000	0.000	0.00	0.00
10/20/2004	230	0	0	0	21	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00
11/17/2004	173	0	0	0	28	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00
12/22/2004	131	0	0	0	35	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00
<b>2004 Totals:</b>										<b>24.34</b>			<b>62.26</b>		<b>1.41</b>		<b>10.00</b>

Notes: -- = Measurement not recorded  
<sup>(1)</sup> Calculated flows based on the average of flows measured on 3-29-05 and 4-28-05

Discharge Rate (Field Mon., lb/hr) = [(flow(cfm)\*inflow conc.(ppmv)\*MW\*12.187)/(273.15+C)]\*1 cu. m./35.31 cu. ft.\*1g/1000 mg\*1 lb/453.6 g\*60 min/1 hr

Discharge Rate (Lab Res., lb/hr) = Discharge Rate (lb/hr) \* # of days\*24hours/day\*60 minutes/hr

Discharge Rate (Lab Res., lb) = flow (cfm)\*effluent conc. (mg/cu. m.)\*1g/1000mg\*1lb/453.6g\*1cu. m./35.31cu. ft\*60min/1 hr

Discharge (Lab Res., lb) = Discharge Rate (lb/hr) \* # of days\*24hours/day

Where: C = degrees centigrade, assumed to be 25

J = Estimated Value

hr = hours

Molecular weight (MW) of PCE=165.85; TCE=131.4; cis-1,2-DCE=96.94

cfm = cubic feet per minute

ppmv = parts per million (vol./vol.)

mg/cu. m = milligrams per cubic meter

lb = pounds

Permit Limit	
PCE	0.031 lb/yr
TCE	0.014 lb/yr
cis-1,2-DCE	0.63 lb/yr

**TABLE 4**  
**AIR DISCHARGE MONITORING**  
**NATIONAL HEATSET PRINTING**  
**1 ADAMS BLVD., FARMINGDALE, NY**

Date	Field Monitoring			Laboratory Results			Discharge based on Field Monitoring						Discharge based on Laboratory Results					
	System Effluent Flow Rate (cfm)	PCE System Effluent Concentration (ppmv)	System Effluent VOC Concentration (ppmv)	Elapsed Time (day)	PCE (mg/cu m.)	TCE (mg/cu m.)	cis-1,2-DCE (mg/cu m.)	PCE		TCE		PCE		TCE		cis-1,2-DCE		
								Discharge Since Last Visit (lb)	Discharge Since Last Visit (lb/hr)	Discharge Since Last Visit (lb)	Discharge Since Last Visit (lb/hr)	Discharge Since Last Visit (lb)	Discharge Since Last Visit (lb/hr)	Discharge Since Last Visit (lb)	Discharge Since Last Visit (lb/hr)			
1/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/23/2005	245	0	0	34	--	--	--	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00
3/29/2005	234 <sup>(1)</sup>	0	0	34	ND(1)	ND(1)	2	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	1.43
4/28/2005	222	0	0	30	0.5	ND(1)	1	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.60
5/31/2005	223	0	0	33	5	2	1	0.0000	0.00	0.0000	0.00	0.0042	3.31	0.0017	1.32	0.001	0.001	0.66
6/24/2005	242	10.1	15	24	64	2	0.8J	0.0620	35.70	0.0580	33.42	0.0018	1.04	0.001	0.001	0.001	0.001	0.42
8/4/2005	381	12	7.5	41	57	1J	0.7J	0.1159	114.09	0.0814	80.05	0.0014	1.40	0.001	0.001	0.001	0.001	0.98
<b>Spent Carbon Replaced 8/10/05</b>																		
9/13/2005	248	0	0	40	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
10/10/2005	211	0	0	27	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
11/11/2005	239	0	0	32	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
12/8/2005	212	0	0.1	27	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
<b>2005 Totals:</b>	<b>265</b>	<b>0</b>	<b>5.8</b>	<b>29</b>	<b>ND(1)</b>	<b>ND(1)</b>	<b>ND(1)</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>117.08</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>4.09</b>
1/6/2006																		
<b>Spent Carbon Replaced 1/25/06</b>																		
2/6/2006	322	0	0	30	1	ND(1)	ND(1)	0.0000	0.00	0.0012	0.87	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
3/14/2006	232	0	0	36	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
4/12/2006	271	0	0	29	0.6J	ND(1)	ND(1)	0.0000	0.00	0.0006	0.42	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
5/4/2006	214	0	0	22	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
6/12/2006	253	0	0	39	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
7/12/2006	196	0	0	30	ND(1)	ND(1)	0.6J	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.001	0.38
8/7/2006	210	0	0	26	1	ND(1)	ND(1)	0.0000	0.00	0.0008	0.49	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
9/12/2006	203	0	2.1	45	2	0.8J	0.4J	0.0000	0.00	0.0015	1.64	0.0006	0.66	0.0003	0.0003	0.0003	0.0003	0.33
<b>Spent Carbon Replaced 10/1/06</b>																		
10/18/2006	236	0	0	27	--	--	--	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
11/29/2006	202	0	0	42	0.9J	ND(1)	ND(1)	0.0000	0.00	0.0007	0.69	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
12/21/2006	210	0	0	22	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
<b>2006 Totals:</b>								<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>	<b>4.11</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.71</b>
1/26/2007	142	0	0	36	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
3/19/2007	172	0	0	20	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.0000	0.00
<b>2007 Totals:</b>								<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.00</b>

Notes: -- = Measurement not recorded <sup>(1)</sup> Calculated flows based on the average of flows measured on 3-29-05 and 4-28-05

Discharge Rate (Field Mon., lb/hr) = (flow/cfm)\*inflow conc.(ppmv)\*MW\*12.187/(273.15+C)\*1 cu. m./35.31 cu. ft\*1g/1000 mg\*1 lb/453.6 g\*60 min/1 hr

Discharge Rate (Lab Res., lb/hr) = Discharge Rate (lb/hr) \* # of days\*24hours/day\*60 minutes/hr

Discharge (Lab Res., lb) = Discharge Rate (lb/hr) \* # of days\*24hours/day

Where: C = degrees centigrade, assumed to be 25

J = Estimated Value

hr = hours

Permit Limit	
PCE	0.031 lb/hr
TCE	0.014 lb/hr
cis-1,2-DCE	0.63 lb/hr

## FIGURES

FIGURE 1

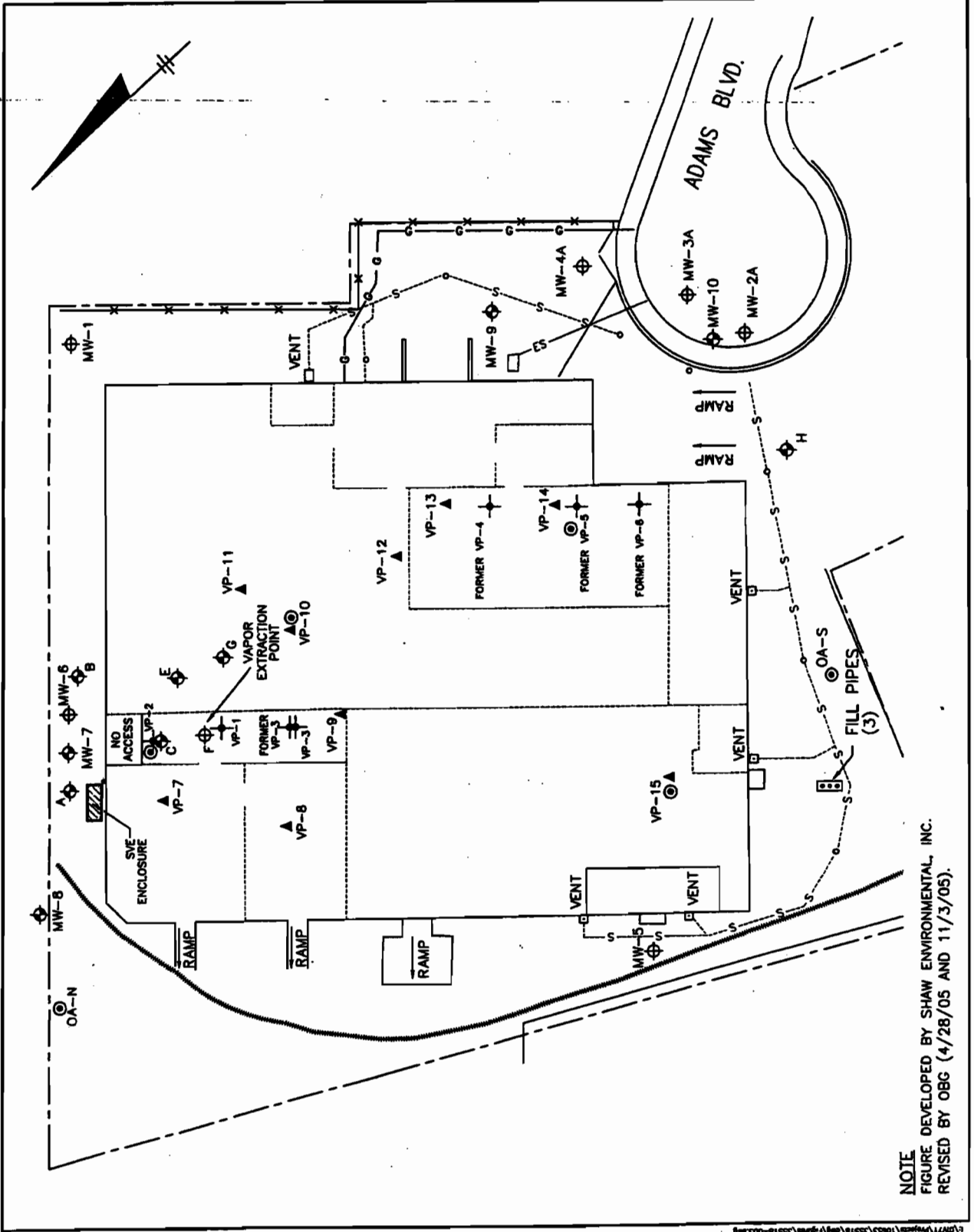
**LEGEND**

- TRAIN TRACK
- ⊙ AIR SAMPLING POINT (LOCATIONS APPROXIMATE AS SHOWN)
- ▲ SAMPLING/ VAPOR MONITORING POINT
- ⊕ VAPOR MONITORING POINT
- ⊕ DEEP MONITORING WELL (>30')
- ⊕ SHALLOW MONITORING WELL (<30')
- MANHOLE OR ACCESS POINT
- FENCE LINE
- ES- ELECTRIC LINE
- G- GAS LINE
- S- SANITARY SEWER
- PROPERTY LINE
- INTERIOR BUILDING WALL (DIVIDES WAREHOUSE)

NATIONAL HEATSET PRINTING  
 FARMINGDALE, NEW YORK  
 SUBSLAB INVESTIGATION  
 LOCATIONS



FILE NO. 10653.35516.003  
 NOVEMBER 2005



**NOTE**  
 FIGURE DEVELOPED BY SHAW ENVIRONMENTAL, INC.  
 REVISED BY OBG (4/28/05 AND 11/3/05).

APPENDIX A  
SITE VISIT DOCUMENTATION

**National Heatset Printing**  
 1 Adams Boulevard, Farmingdale, New York  
 O'Brien & Gere Eng. - Job # 35518.005

Personnel: Dan Simpson Time: 930  
 Weather: Sunny 38° Date: 3/19/2007

**System Status:**

Arrival: Running  
 Departure: Running  
 Run Timer Reading: 1329644  
 Electric Meter Reading: 7047

**System Data:**

Extraction Well F Gate Valve: 100 % Open  
 Dilution Valve: 25 % Open

<b>Pre-Bleed Air (Extraction Well):</b>	<b>Post-Bleed Air (SVE Influent):</b>
Flow: <u>162.5</u> CFM	Flow: <u>135.0</u> CFM
Vacuum: <u>80.00</u> "H2O	Vacuum: <u>--</u> "H2O
PID Reading: <u>0.2</u> PPM	PID Reading: <u>7.3</u> PPM
Draeger Tube: <u>2.0</u> PPM	Draeger Tube: <u>5.0</u> PPM
Temperature: <u>60.0</u> °F	Temperature: <u>140.7</u> °F

**Carbon Monitoring:**

Mid: 2.4 PPM 215 CFM 110.1 Temp. (°F) 0.0 PPM (Drager)  
 Effluent: 0.0 PPM 172 CFM 120.0 Temp. (°F) 0.0 PPM (Drager)

Carbon effluent sample collected & shipped to lab? Yes 3/12/07

Knockout Tank Drained? No  
 # Gallons: N/A  
 Purge water drums on-site: 0

**Monitoring Well Gauging / Vapor Point Monitoring:**

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	15.03	15.03	15.22	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--	5.3	0.35	0.2	0.5	0.0	0.0	0.4	0.19	0.08	0	0.0	0.0
PID (PPM):	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Comments:**

Blower motor recently had repairs to the shaft bearings and bushings (replaced).  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**National Heatset Printing**  
 1 Adams Boulevard, Farmingdale, New York  
 O'Brien & Gere Eng. - Job # 35518.005

Personnel: Dan Simpson Time: 1000  
 Weather: Sunny 38° Date: 2/28/2007

**System Status:**

Arrival: Not running  
 Departure: Not running  
 Run Timer Reading: 1307909  
 Electric Meter Reading: 06953, .04, 12.33, 0031

**System Data:**

Extraction Well F Gate Valve: 100 % Open  
 Dilution Valve: 25 % Open

<b>Pre-Bleed Air (Extraction Well):</b>	<b>Post-Bleed Air (SVE Influent):</b>
Flow: _____ CFM	Flow: _____ CFM
Vacuum: _____ "H2O	Vacuum: _____ "H2O
PID Reading: _____ PPM	PID Reading: _____ PPM
Draeger Tube: _____ PPM	Draeger Tube: _____ PPM
Temperature: _____ °F	Temperature: _____ °F

**Carbon Monitoring:**

Mid: \_\_\_\_\_ PPM \_\_\_\_\_ CFM \_\_\_\_\_ Temp. (°F) \_\_\_\_\_ PPM (Drager)  
 Effluent: \_\_\_\_\_ PPM \_\_\_\_\_ CFM \_\_\_\_\_ Temp. (°F) \_\_\_\_\_ PPM (Drager)

Carbon effluent sample collected & shipped to lab? No

Knockout Tank Drained? No  
 # Gallons: N/A  
 Purge water drums on-site 0

**Monitoring Well Gauging / Vapor Point Monitoring:**

Well/V.P. ID:	MW-C	MW-E	MW-G	VP-1	VP-2	VP-3	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15
DTW (ft):	15.73	15.93	15.73	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--												
PID (PPM):	--	--	--	--	--	--									

**Comments:**

\*Upon arrival the system was not running. Panel: Power =On, Blower = Auto, High float = Off, Fan = On, Lights = On (and working)

\*Opened valve for knock out, no water in knock out.

\* Reset tripped circuit OL1 and restarted blower motor. Motor made a grinding noise, would not turn over, and then tripped the circuit OL1 again.

\* Marc Dent will have an electrician come out to the site in the next few days.



APPENDIX B  
LABORATORY REPORT OF ANALYSES



*"Environmental Testing For The New Millennium"*

---

April 12, 2007

O'Brien & Gere  
5000 Brittonfield Parkway  
Syracuse, NY 13221-4873  
Attn: Mr. Marc Dent

RE: Client Project: NYSDEC – National Heatset  
Lab Project #: F0309

Dear Mr. Dent:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Agnes R. Ng". The signature is fluid and cursive, with a large loop at the end.

Agnes R. Ng  
CLP Project Manager



Report of Laboratory Analyses for O'Brien & Gere

Client Project: National Heatset, 03/12/07

Mitkem Work Order ID: F0309

April 12, 2007

Prepared For: O'Brien & Gere  
5000 Brittonfield Parkway  
P. O. Box 4873  
Syracuse, NY 13221-4873  
Attn: Mr. Marc Dent

Prepared By: Mitkem Corporation  
175 Metro Center Boulevard  
Warwick, RI 02886  
(401) 732-3400



**Client: O'Brien & Gere**

**Client Project: National Heatset, 03/12/07**

**Lab Project: F0112**

**Date samples received: 03/14/07**

### **Project Narrative**

This data report includes the analysis results for two (2) air samples in a Tedlar bag that were received from O'Brien & Gere on March 14, 2007. Analyses were performed per specification in the Chain of Custody form, following discussions with the client. For reference, a copy of the Mitkem Work Order form is included for cross-referencing the client sample ID and laboratory sample ID.

All of the analyses were performed according to method specifications, as modified by Mitkem. Internal standard area counts was not within the QC limits for sample POST BLEED. The sample was re-analyzed with similar findings. Both the initial and re-analyses have been reported. No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

A handwritten signature in black ink, appearing to read "Agnes Ng".

Agnes Ng  
CLP Project Manager

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT
----------

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF0309

Matrix: (soil/water) AIR

Lab Sample ID: F0309-02A

Sample wt/vol: 25 (g/mL) ML

Lab File ID: V6F1044

Level: (low/med) LOW

Date Received: 03/14/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/23/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/M3	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	1	U
74-88-4	Iodomethane	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	1	U
108-05-4	Vinyl acetate	1	U
78-93-3	2-Butanone	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
590-20-7	2,2-Dichloropropane	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	0.8	J
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
74-95-3	Dibromomethane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFFLUENT
----------

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF0309

Matrix: (soil/water) AIR

Lab Sample ID: F0309-02A

Sample wt/vol: 25 (g/mL) ML

Lab File ID: V6F1044

Level: (low/med) LOW

Date Received: 03/14/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/23/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/M3	Q
---------	----------	---	---

142-28-9-----1,3-Dichloropropane	1	U
127-18-4-----Tetrachloroethene	1	U
591-78-6-----2-Hexanone	1	U
124-48-1-----Dibromochloromethane	1	U
106-93-4-----1,2-Dibromoethane	1	U
108-90-7-----Chlorobenzene	1	U
630-20-6-----1,1,1,2-Tetrachloroethane	1	U
100-41-4-----Ethylbenzene	1	U
-----m,p-Xylene	1	U
95-47-6-----o-Xylene	1	U
1330-20-7-----Xylene (Total)	1	U
100-42-5-----Styrene	1	U
75-25-2-----Bromoform	1	U
98-82-8-----Isopropylbenzene	1	U
79-34-5-----1,1,2,2-Tetrachloroethane	1	U
108-86-1-----Bromobenzene	1	U
96-18-4-----1,2,3-Trichloropropane	1	U
103-65-1-----n-Propylbenzene	1	U
95-49-8-----2-Chlorotoluene	1	U
108-67-8-----1,3,5-Trimethylbenzene	1	U
106-43-4-----4-Chlorotoluene	1	U
98-06-6-----tert-Butylbenzene	1	U
95-63-6-----1,2,4-Trimethylbenzene	1	U
135-98-8-----sec-Butylbenzene	1	U
99-87-6-----4-Isopropyltoluene	1	U
541-73-1-----1,3-Dichlorobenzene	1	U
106-46-7-----1,4-Dichlorobenzene	1	U
104-51-8-----n-Butylbenzene	1	U
95-50-1-----1,2-Dichlorobenzene	1	U
96-12-8-----1,2-Dibromo-3-chloropropane	1	U
120-82-1-----1,2,4-Trichlorobenzene	1	U
87-68-3-----Hexachlorobutadiene	1	U
91-20-3-----Naphthalene	1	U
87-61-6-----1,2,3-Trichlorobenzene	1	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

POST BLEED

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF0309

Matrix: (soil/water) AIR

Lab Sample ID: F0309-01A

Sample wt/vol: 25 (g/mL) ML

Lab File ID: V6F0958

Level: (low/med) LOW

Date Received: 03/14/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/20/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/M3	Q
75-71-8	Dichlorodifluoromethane	1 U	
74-87-3	Chloromethane	1 U	
75-01-4	Vinyl Chloride	1 U	
74-83-9	Bromomethane	1 U	
75-00-3	Chloroethane	1 U	
75-69-4	Trichlorofluoromethane	1 U	
75-35-4	1,1-Dichloroethene	1 U	
67-64-1	Acetone	1 U	
74-88-4	Iodomethane	1 U	
75-15-0	Carbon Disulfide	1 U	
75-09-2	Methylene Chloride	1 U	
156-60-5	trans-1,2-Dichloroethene	1 U	
1634-04-4	Methyl tert-butyl ether	1 U	
75-34-3	1,1-Dichloroethane	1 U	
108-05-4	Vinyl acetate	1 U	
78-93-3	2-Butanone	1 U	
156-59-2	cis-1,2-Dichloroethene	1 U	
590-20-7	2,2-Dichloropropane	1 U	
74-97-5	Bromochloromethane	1 U	
67-66-3	Chloroform	1 U	
71-55-6	1,1,1-Trichloroethane	1 U	
563-58-6	1,1-Dichloropropene	1 U	
56-23-5	Carbon Tetrachloride	1 U	
107-06-2	1,2-Dichloroethane	1 U	
71-43-2	Benzene	3	
79-01-6	Trichloroethene	1 U	
78-87-5	1,2-Dichloropropane	1 U	
74-95-3	Dibromomethane	1 U	
75-27-4	Bromodichloromethane	1 U	
10061-01-5	cis-1,3-Dichloropropene	1 U	
108-10-1	4-Methyl-2-pentanone	1 U	
108-88-3	Toluene	1 U	
10061-02-6	trans-1,3-Dichloropropene	1 U	
79-00-5	1,1,2-Trichloroethane	1 U	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

POST BLEED

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF0309

Matrix: (soil/water) AIR

Lab Sample ID: F0309-01A

Sample wt/vol: 25 (g/mL) ML

Lab File ID: V6F0958

Level: (low/med) LOW

Date Received: 03/14/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/20/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/M3	Q
142-28-9-----	1,3-Dichloropropane	1	U
127-18-4-----	Tetrachloroethene	16	U
591-78-6-----	2-Hexanone	1	U
124-48-1-----	Dibromochloromethane	1	U
106-93-4-----	1,2-Dibromoethane	1	U
108-90-7-----	Chlorobenzene	1	U
630-20-6-----	1,1,1,2-Tetrachloroethane	1	U
100-41-4-----	Ethylbenzene	1	U
-----	m,p-Xylene	1	U
95-47-6-----	o-Xylene	1	U
1330-20-7-----	Xylene (Total)	1	U
100-42-5-----	Styrene	1	U
75-25-2-----	Bromoform	1	U
98-82-8-----	Isopropylbenzene	1	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1	U
108-86-1-----	Bromobenzene	1	U
96-18-4-----	1,2,3-Trichloropropane	1	U
103-65-1-----	n-Propylbenzene	1	U
95-49-8-----	2-Chlorotoluene	1	U
108-67-8-----	1,3,5-Trimethylbenzene	1	U
106-43-4-----	4-Chlorotoluene	1	U
98-06-6-----	tert-Butylbenzene	1	U
95-63-6-----	1,2,4-Trimethylbenzene	1	U
135-98-8-----	sec-Butylbenzene	1	U
99-87-6-----	4-Isopropyltoluene	1	U
541-73-1-----	1,3-Dichlorobenzene	1	U
106-46-7-----	1,4-Dichlorobenzene	1	U
104-51-8-----	n-Butylbenzene	1	U
95-50-1-----	1,2-Dichlorobenzene	1	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1	U
120-82-1-----	1,2,4-Trichlorobenzene	1	U
87-68-3-----	Hexachlorobutadiene	1	U
91-20-3-----	Naphthalene	1	U
87-61-6-----	1,2,3-Trichlorobenzene	1	U



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

POST BLEEDRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF0309

Matrix: (soil/water) AIR

Lab Sample ID: F0309-01ARE

Sample wt/vol: 25 (g/mL) ML

Lab File ID: V6F0960

Level: (low/med) LOW

Date Received: 03/14/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/20/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/M3	Q
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	1 U	
74-87-3-----	Chloromethane	1 U	
75-01-4-----	Vinyl Chloride	1 U	
74-83-9-----	Bromomethane	1 U	
75-00-3-----	Chloroethane	1 U	
75-69-4-----	Trichlorofluoromethane	1 U	
75-35-4-----	1,1-Dichloroethene	1 U	
67-64-1-----	Acetone	1 U	
74-88-4-----	Iodomethane	1 U	
75-15-0-----	Carbon Disulfide	1 U	
75-09-2-----	Methylene Chloride	1 U	
156-60-5-----	trans-1,2-Dichloroethene	1 U	
1634-04-4-----	Methyl tert-butyl ether	1 U	
75-34-3-----	1,1-Dichloroethane	1 U	
108-05-4-----	Vinyl acetate	1 U	
78-93-3-----	2-Butanone	1 U	
156-59-2-----	cis-1,2-Dichloroethene	1 U	
590-20-7-----	2,2-Dichloropropane	1 U	
74-97-5-----	Bromochloromethane	1 U	
67-66-3-----	Chloroform	1 U	
71-55-6-----	1,1,1-Trichloroethane	1 U	
563-58-6-----	1,1-Dichloropropene	1 U	
56-23-5-----	Carbon Tetrachloride	1 U	
107-06-2-----	1,2-Dichloroethane	1 U	
71-43-2-----	Benzene	0.7 J	
79-01-6-----	Trichloroethene	1 U	
78-87-5-----	1,2-Dichloropropane	1 U	
74-95-3-----	Dibromomethane	1 U	
75-27-4-----	Bromodichloromethane	1 U	
10061-01-5-----	cis-1,3-Dichloropropene	1 U	
108-10-1-----	4-Methyl-2-pentanone	1 U	
108-88-3-----	Toluene	1 U	
10061-02-6-----	trans-1,3-Dichloropropene	1 U	
79-00-5-----	1,1,2-Trichloroethane	1 U	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

POST BLEEDRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF0309

Matrix: (soil/water) AIR

Lab Sample ID: F0309-01ARE

Sample wt/vol: 25 (g/mL) ML

Lab File ID: V6F0960

Level: (low/med) LOW

Date Received: 03/14/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/20/07

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/M3	Q
142-28-9	1,3-Dichloropropane		1 U
127-18-4	Tetrachloroethene		19
591-78-6	2-Hexanone		1 U
124-48-1	Dibromochloromethane		1 U
106-93-4	1,2-Dibromoethane		1 U
108-90-7	Chlorobenzene		1 U
630-20-6	1,1,1,2-Tetrachloroethane		1 U
100-41-4	Ethylbenzene		1 U
	m,p-Xylene		1 U
95-47-6	o-Xylene		1 U
1330-20-7	Xylene (Total)		1 U
100-42-5	Styrene		1 U
75-25-2	Bromoform		1 U
98-82-8	Isopropylbenzene		1 U
79-34-5	1,1,2,2-Tetrachloroethane		1 U
108-86-1	Bromobenzene		1 U
96-18-4	1,2,3-Trichloropropane		1 U
103-65-1	n-Propylbenzene		1 U
95-49-8	2-Chlorotoluene		1 U
108-67-8	1,3,5-Trimethylbenzene		1 U
106-43-4	4-Chlorotoluene		1 U
98-06-6	tert-Butylbenzene		1 U
95-63-6	1,2,4-Trimethylbenzene		1 U
135-98-8	sec-Butylbenzene		1 U
99-87-6	4-Isopropyltoluene		1 U
541-73-1	1,3-Dichlorobenzene		1 U
106-46-7	1,4-Dichlorobenzene		1 U
104-51-8	n-Butylbenzene		1 U
95-50-1	1,2-Dichlorobenzene		1 U
96-12-8	1,2-Dibromo-3-chloropropane		1 U
120-82-1	1,2,4-Trichlorobenzene		1 U
87-68-3	Hexachlorobutadiene		1 U
91-20-3	Naphthalene		1 U
87-61-6	1,2,3-Trichlorobenzene		1 U

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: MF0309  
 Lab File ID (Standard): V6F0951                      Date Analyzed: 03/20/07  
 Instrument ID: V6    Time Analyzed: 1240  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	856359	6.63	634413	10.34	330791	13.21
UPPER LIMIT	1712718	7.13	1268826	10.84	661582	13.71
LOWER LIMIT	428180	6.13	317207	9.84	165396	12.71
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK6M	718296	6.63	491812	10.35	189313	13.21
02 V6MLCS	749527	6.62	567412	10.34	295927	13.21
03 POST BLEED	492667	6.62	350571	10.35	124242*	13.21
04 POST BLEEDRE	443249	6.63	335473	10.35	117536*	13.21
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1            = Fluorobenzene  
 IS2 (CBZ)   = Chlorobenzene-d5  
 IS3 (DCB)   = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: MF0309  
 Lab File ID (Standard): V6F1041                      Date Analyzed: 03/23/07  
 Instrument ID: V6    Time Analyzed: 1000  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2604442	6.62	1889841	10.35	969540	13.21
UPPER LIMIT	5208884	7.12	3779682	10.85	1939080	13.71
LOWER LIMIT	1302221	6.12	944921	9.85	484770	12.71
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK6N	2772427	6.62	1993587	10.35	1030623	13.21
02 V6NLCS	2698616	6.63	1936404	10.35	979575	13.21
03 EFFLUENT	2233780	6.62	1607732	10.35	839345	13.21
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene  
 IS2 (CBZ) = Chlorobenzene-d5  
 IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

Client ID: OBG

Project: National Heatset

Location:

Comments: Level 2 for air samples

Case:

SDG:

PO: HEATSET

Report Level: ASP-B

EDD: CLF

HC Due: 04/04/07

Fax Due: 03/28/07

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0309-01A	POST BLEED	03/12/2007 17:27	03/14/2007	Air	TO14		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F0309-02A	EFFLUENT	03/12/2007 17:27	03/14/2007	Air	TO14		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA



175 Metro Center Boulevard  
 Warwick, Rhode Island 02886-1755  
 (401) 732-3400 • Fax (401) 732-3499  
 email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		LAB PROJECT #:						
COMPANY	PHONE	COMPANY	PHONE							
NAME	FAX	NAME	FAX							
ADDRESS		ADDRESS			TURNAROUND TIME:					
CITY/ST/ZIP		CITY/ST/ZIP			STD					
CLIENT PROJECT NAME:		CLIENT PO.#:		REQUESTED ANALYSES						
National Heatset				<div style="text-align: center;">TO - 14</div> COMMENTS						
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB			WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS
Post Bleed	3/12/07 1727		X					Air		1
Effluent	3/12/07 1727		X					Air		1
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:				
	David Lige	3/13/07 1500	Fed Ex 8599 4202 8735	3/13/07 1500		AMB 12.1				
			J. Henery	3/14/07 09:00						

**MITKEM CORPORATION**  
**Sample Condition Form**

Received By: <u>AM</u>	Reviewed By: <u>[Signature]</u>	Date: <u>3-14-07</u>	MITKEM Workorder #: <u>F0309</u>			
Client Project: <u>National Heartset</u>		Client: <u>OBG</u>			Soil Headspace or Air Bubbles $\geq 1/4"$	
1) Cooler Sealed <u>Yes</u> / No	Lab Sample ID	Preservation (pH)				VOA Matrix
		HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCl	NaOH	
	<u>F0309 01</u>					<u>A</u>
	<u>F0309 02</u>					<u>A</u>
2) Custody Seal(s) <u>Present</u> / Absent						
<u>Coolers</u> / Bottles						
<u>Intact</u> / Broken						
3) Custody Seal Number(s) <u>N/A</u>						
4) Chain-of-Custody <u>Present</u> / Absent						
5) Cooler Temperature <u>ambient</u>						
Coolant Condition						
6) Airbill(s) <u>Present</u> / Absent						
Airbill Number(s) <u>8599 4202</u>						
<u>8935</u>						
7) Sample Bottles <u>Intact</u> / Broken/Leaking						
8) Date Received <u>3-14-07</u>						
9) Time Received <u>9:00</u>						
Preservative Name/Lot No:						

VOA Matrix Key:

US = Unpreserved Soil	A = Air
UA = Unpreserved Aqu.	H = HCl
M = MeOH	E = Encore
N = NaHSO <sub>4</sub>	F = Freeze

See Sample Condition Notification/Corrective Action Form    yes / no

Rad OK    yes/ no

**Last Page of Data Report**