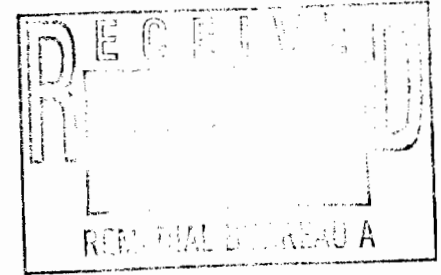




O'BRIEN & GERE

November 7, 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-
June-July 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 July 24, 2007 on behalf of O'Brien & Gere Engineers, Inc (OBG) in accordance with our approved Work Plan.

System Operation

Based on the run time meter, the system was operational for a total of 792 hours (approximately 100% of the total available) during this reporting period (June 21, 2007 to July 24, 2007). Operational data is summarized in Table 1 and on the site visit data collection form provided in Appendix A.

A flow of 75 cfm and a vacuum of 29 inches of water column were observed at the extraction well. The SVE blower operated at a flow of 205 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 13.2 ppm (by PID) from the extraction well (pre-dilution).

VOC concentrations of 3.5 ppm (by PID) and a PCE concentration of 3.0 ppm (by Draeger Tube) were observed at the SVE influent port during the site visit. A VOC concentration of 1.9 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 were observed at the effluent sampling port. Refer to Table 1.

Monitoring Probes

A vacuum of 1.8, 0.65, 0.25, 0.41, 0.35, 0.23, 0.2, 0.05, 0.0, 0.0 and 0.0 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-11, VP-12, VP-13, VP-14 and VP-15 respectively. The vapor points will continue to be monitored during future site visits.

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

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. Due to the shutdown, the SVE system removed approximately 29 pound of PCE from the extraction well during this reporting period and has removed approximately 2,583 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/m³. 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.

A total of 0.13 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 at approximately the 50% 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 Temp. (°F)	Temp. (°F)	PID (ppm)	PCE (ppm)	Flow (cfm)	Temp. (°F)	PID (ppm)	PCE (ppm)			
9/18/2002	--	--	--	--	--	--	--	--	--	--	SVE PILOT TEST STARTUP															
9/30/2002	304	294	294	100%	100	50	34.5	5	2,000	500	256	25	107.2	1,015	--	317	102.3	0	--	290	89.5	0	--			
10/14/2002	642	338	338	99%	100	50	38	7	1,011	400	258	27	--	75.3	50	--	--	0	--	--	--	--	0	--		
11/19/2002	1508	866	866	98%	100	50	49	12	0	0	120	28	106	0	0	209	92	0	--	290	80.3	0	--			
12/4/2002	--	368	--	--	--	--	--	--	77	200	--	--	--	14.3	10	--	--	15.5	10	--	--	--	0	--		
12/16/2002	2153	294	645	98%	100	50	36.5	10	560	200	253	28	92	46.4	50	302	60	3.4	--	340	53.9	0	--			
1/21/2003	3016	862	863	98%	100	50	--	--	--	--	70	52	98	0	0	220	--	--	--	220	--	0	--			
2/10/2003	3496	480	480	98%	100	50	38	--	639	400	262	27	102	72	50	266	90	26	10	258	83	3.2	10			
3/18/2003	4360	862	864	98%	100	50	92	12	125	100	266	25	123	15	10	278	124	0	0	282	117	0	0			
4/29/2003	5359	1029	999	97%	75	50	75	50	152	50	132	16	118.5	48.2	25	302	96	18.6	10	287	86	0.6	0			
5/13/2003	5700	343	341	99%	75	50	78	--	127	50	239	48	130	41.8	50	246	108	46	25	245	97	0.6	0			
6/30/2003	6850	1176	1150	98%	50	50	115	32	82.4	50	140	66	173	36.8	50	198	157	25.1	25	240	150	29.8	100			
7/10/2003	6851	245	1	0%	50	50	99.5	25	406	400	151	68	156	221	215	260	76	0	0	222	81.9	0	0			
7/22/2003	7144	294	294	100	50	50	--	--	127	--	--	--	168	65	--	--	107	0	--	--	106	0	--			
8/26/2003	7957	858	813	95	50	50	79	13.5	137	10	186	65	170	51.4	5	291	--	55.4	10	232	--	35.6	10			
9/23/2003	8274	686	317	46	50	50	218	33	141	15	194	64	160	55	30	254	124	0	0	210	110	0	0			
10/21/2003	8945	686	671	98	50	50	166	45	--	20	158	68	166	37.5	25	214	130	30.7	15	225	112	0	0			
11/24/2003	9749	833	805	97	50	50	130	46	141	125	178	72	138	261	200	225	52	0	0	205	51.4	0	0			
1/6/2004	9750	1054	1	0	50	50	98.5	74	118	100	164	12	140	247	250	224	48.6	0	0	200	48.4	0	0			
2/9/2004	10336	833	586	70	50	50	121	44	23.1	10	172	70	155.8	29.8	25	233	137	41.4	0	200	117	0	0			
3/30/2004	11289	1225	953	78	50	50	103	>50	34	<10	198	70	160	22	<10	240	128	22	<10	160	115	24	<5			
4/8/2004	11441	221	152	69	50	75	127	--	23.7	<10	--	--	--	--	--	180	83	30	--	206	83	0.9	--			
4/29/2004	11768	515	327	64	50	75	131	>60	2.4	0	--	76	170	2.2	0	209	128	0	0	255	116	0	0			
5/24/2004	12264	613	496	81	50	75	144	75	43.8	50	172	75	178	33.1	<50	250	121	4.4	0	198	111	0	0			
6/22/2004	12817	711	553	78	50	75	127	74	57	10	140	76	180	52	30	181	123	25.8	15	210	113	0	0			
7/28/2004	13630	882	813	92	50	75	142	76.5	53.2	7	161	76.5	159	41.1	25	216	137	35.3	20	181	109	3.1	0			
8/31/2004	13989	833	359	43	25	50	157	58	48	0	104	74	137	202	200	180	98	2.2	0	187	91	0.1	0			
9/29/2004	14256	711	267	38	50	75	139	60	--	--	140	76	153	27.7	--	194	126	0	--	205	102.1	0	--			
10/20/2004	14729	515	473	92	50	75	155	58	--	--	120	76	160	19.1	10	202	122	0	0	230	101	0	0			
11/17/2004	15229	686	499	73	75	50	160	80	17.9	<5	148	77	160	13.5	<10	152	112	7.2	<5	173	94	0	0			
12/22/2004	15665	858	337	39	75	50	143	80	15.8	<5	125	85	160	18.3	10	127	116	16	5	131	93.4	0	0			
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	110	93	50	265	56	0	0	245	38.5	0	0			
3/29/2005	16217	833	284	34	75	50	87 ⁽¹⁾	40	--	--	158 ⁽¹⁾	--	121	6.4	4.5	255 ⁽¹⁾	97	3.4	3	234 ⁽¹⁾	81	0	<2			
4/28/2005	--	720	720 ⁽²⁾	100	75	50	86	39	--	--	227	--	126	8.9	5	244	109	8	4	222	84.2	0	<2			
5/31/2005	--	792	792 ⁽²⁾	100	50	50	98	39	7.4	9.5	208	--	124.2	10.4	10	227	118.6	17.6	10	223	112.3	0	<2			
6/24/2005	--	576	576 ⁽²⁾	100	50	50	125	25	28.5	16	266	--	152	8.3	7	283	133	13.9	16	242	116	10.1	15			
8/4/2005	17972	984	984 ⁽²⁾	100	75	65	216	26	38.1	19	353	--	153.4	8.8	12	423	135.7	10.5	12	381	120.7	7.5	12			
Spent Carbon Replaced 8/10/05																										
9/13/2005	859	960	960 ⁽²⁾	100	75	50	89.5	25	59.6	14	226	--	164.5	18.3	12	265	143	0.5	0	248	124.6	0	0			
10/10/2005	1502	643	643	100	75	35	86	27	59.2	19	222	--	101.3	21.7	10	225	110	15.1	0	211	99.3	0	0			
11/11/2005	2271	769	769	100	50	50	79	31	--	5	209	--	110.9	12.2	9	242	99.4	2.6	2	239	83.1	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
 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 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								Vacuum (inches H2O)	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0
4/27/2007	13964	936	668	71%	25	100	218.0	88	0.0	15.0	126	180.2	51.7	20.0	149	69.1	0.0	0.0	125	66.8	0.0	0.0	0.0
5/24/2007	13968	648	4	1%	25	75	135	84	15.2	1.8	100	127	108.0	35.0	181	123	0.7	0.0	170	106	0.0	0.0	0.0
6/21/2007	13984	672	16	2%	25	100	232	40	1.8	35.0	130.5	107	61.1	38.0	228	107	1.7	0.0	199	89	0.1	0.0	0.0
7/24/2007	14775	792	792	100%	50	100	75	29	13.2	2.0	205	132.6	3.5	3.0	202	140.5	1.9	0.0	194	138.4	0.0	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) ⁽²⁾	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 ⁽¹⁾	500 ⁽¹⁾	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) ⁽²⁾	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:

⁽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.

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

⁽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

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

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

VGAC Effluent Concentration (mg/m3)			
Date	cis-1,2-Dichloroethene	Tetrachloroethene (PCE)	Trichloroethene
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 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 Discharge Since Last Visit (lb/hr)	PCE Discharge Since Last Visit (lb)	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															
9/30/2002	290	--	0	12	--	--	--	--	--	--	--	--	--	--	--
10/14/2002	--	--	0	14	--	--	--	--	--	--	--	--	--	--	--
11/19/2002	290	--	0	36	--	--	--	--	--	--	--	--	--	--	--
12/16/2002	340	--	0	27	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/13/2003	45	0	--	28	--	--	--	0.0000	--	--	--	--	--	--	--
1/21/2003	220	--	0	8	--	--	--	--	--	--	--	--	--	--	--
2/10/2003	258	10	3.2	20	8.0	6.0	ND (5)	0.0654	31.40	0.008	3.71	0.006	0.00	0.00	0.00
3/5/2003	305	--	0	23	--	--	--	--	--	--	--	--	--	--	--
3/18/2003	282	0	0	13	--	--	--	0.0000	0.00	--	--	--	--	--	--
4/29/2003	287	0	0.6	42	--	--	--	0.0000	0.00	--	--	--	--	--	--
5/13/2003	245	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
6/30/2003	240	100	29.8	48	--	--	--	0.3043	350.56	--	--	--	--	--	--
7/22/2003	222	--	0	12	ND (1)	ND (1)	ND (1)	--	--	0.00	0.00	0.00	0.00	0.00	0.00
8/26/2003	232	10	35.6	35	29.0	3.6	ND (5)	0.0588	49.42	0.025	21.17	0.003	2.63	0.00	0.00
9/23/2003	210	0	0	28	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
10/21/2003	225	0	0	28	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.00	0.000	0.00	0.00	0.00
11/24/2003	205	0	0	34	--	--	--	0.0000	0.00	--	--	--	--	--	--
2003 Totals:								431.38			26.42		5.41		0.00
1/6/2004	200	0	0	43	--	--	--	0.0000	0.00	--	--	--	--	--	--
2/9/2004	235	0	0	34	ND (5)	ND (5)	10	0.0000	0.00	0.000	0.00	0.000	0.00	0.009	7.18
3/30/2004	160	5	24	50	7.7	1.0	2.0	0.0203	24.34	0.046	55.38	0.001	0.72	0.001	1.44
4/29/2004	255	0	0	30	10	ND (5)	ND (5)	0.0000	0.00	0.010	6.88	0.001	0.69	0.002	1.38
5/24/2004	198	0	0	25	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
6/22/2004	210	0	0	29	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
7/28/2004	181	0	3.1	36	ND (5)	ND (5)	ND (5)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
8/12/2004	187	0	0.1	15	--	--	--	0.0000	0.00	--	--	--	--	--	--
9/29/2004	205	--	0	48	ND (1)	ND (1)	ND (1)	--	--	0.000	0.00	0.000	0.00	0.000	0.00
10/20/2004	230	0	0	21	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
11/17/2004	173	0	0	28	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
12/22/2004	131	0	0	35	ND (1)	ND (1)	ND (1)	0.0000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
2004 Totals:								24.34			62.26		1.41		10.00

Notes:
 -- = Measurement not recorded
 Discharge Rate (Field Mon., lb/hr) = [(flow/cfm)*inlet 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 (Field Mon., lb) = Discharge Rate (lb/hr) * # of days*24hours/day*60 minutes/hr
 Discharge Rate (Lab Res., lb/hr) = 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	
lb/hr	lb/yr
PCE	0.031
TCE	0.014
cis-1,2-DCE	0.63
	5,510

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

Date	System Effluent Flow Rate (cfm)		Field Monitoring		Laboratory Results				Discharge based on Field Monitoring						Discharge based on Laboratory Results					
	System Effluent Flow Rate (cfm)	System Effluent Concentration (ppmv)	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 Discharge Since Last Visit (lb/hr)	PCE Discharge Since Last Visit (lb)	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)	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)		
1/20/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
2/23/2005	245	0	0	0	34	ND(1)	ND(1)	2	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00			
3/29/2005	234 ⁽¹⁾	0	0	0	34	ND(1)	ND(1)	2	0.0000	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00			
4/28/2005	222	0	0	0	30	0.5	ND(1)	1	0.0000	0.00	0.00	0.00	0.0004	0.30	0.0000	0.00	0.00			
5/31/2005	223	0	0	0	33	5	2	1	0.0000	0.00	0.00	0.00	0.0042	3.31	0.0017	1.32	0.001			
6/24/2005	242	10.1	15	7.5	24	64	2	0.8J	0.0620	35.70	0.0580	33.42	0.0018	1.04	0.001	0.001	0.42			
8/4/2005	381	12	7.5	7.5	41	57	1J	0.7J	0.1159	114.09	0.0814	80.05	0.0014	1.40	0.001	0.001	0.98			
<i>Spent Carbon Replaced 8/10/05</i>																				
9/13/2005	248	0	0	0	40	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
10/10/2005	211	0	0	0	27	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
11/11/2005	239	0	0	0	32	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
12/8/2005	212	0	0	0.1	27	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
2005 Totals:										149.79		117.08		3.77		4.09		0.00		
1/6/2006	265	0	5.8	5.8	29	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
<i>Spent Carbon Replaced 1/25/06</i>																				
2/6/2006	322	0	0	0	30	1	ND(1)	ND(1)	0.0000	0.00	0.00	0.87	0.0000	0.00	0.0000	0.00	0.00	0.00		
3/14/2006	232	0	0	0	36	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
4/12/2006	271	0	0	0	29	0.6J	ND(1)	ND(1)	0.0000	0.00	0.00	0.42	0.0006	0.00	0.0000	0.00	0.00	0.00		
5/4/2006	214	0	0	0	22	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
6/12/2006	253	0	0	0	39	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.00	0.00		
7/12/2006	196	0	0	0	30	ND(1)	ND(1)	0.6J	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.001	0.38		
8/7/2006	210	0	0	0	26	1	ND(1)	ND(1)	0.0000	0.00	0.00	0.49	0.0008	0.00	0.0000	0.00	0.000	0.00		
9/21/2006	203	0	2.1	2.1	45	2	0.8J	0.4J	0.0000	0.00	0.00	1.64	0.0015	0.66	0.0006	0.0003	0.33	0.00		
<i>Spent Carbon Replaced 10/11/06</i>																				
10/18/2006	236	0	0	0	27	--	--	--	0.0000	0.00	0.00	--	--	--	--	--	--	--		
11/29/2006	202	0	0	0	42	0.9J	ND(1)	ND(1)	0.0000	0.00	0.00	0.69	0.0007	0.00	0.0000	0.00	0.0000	0.00		
12/21/2006	210	0	0	0	22	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00		
2006 Totals:										0.00		4.11		0.66		0.71		0.00		
1/26/2007	142	0	0	0	36	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00		
3/19/2007	172	0	0	0	20	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00		
4/27/2007	125	0	0	0	28	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00		
5/24/2007	170	0	0	0	27	ND(1)	ND(1)	ND(1)	0.0000	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00		

Notes: -- = Measurement not recorded ⁽¹⁾ 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)*inluent 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) = Discharge Rate (lb/hr) * # of days*24hours/day*60 minutes/hr

Discharge Rate (Lab Res., lb/hr) = flow (cfm)*effluent conc. (mg/cu. m.) *1g/1000mg*1lb/453.6g*1 cu. 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	
lb/hr	lb/yr
PCE	270
TCE	120
cis-1,2-DCE	5,510

FIGURES

FIGURE 1

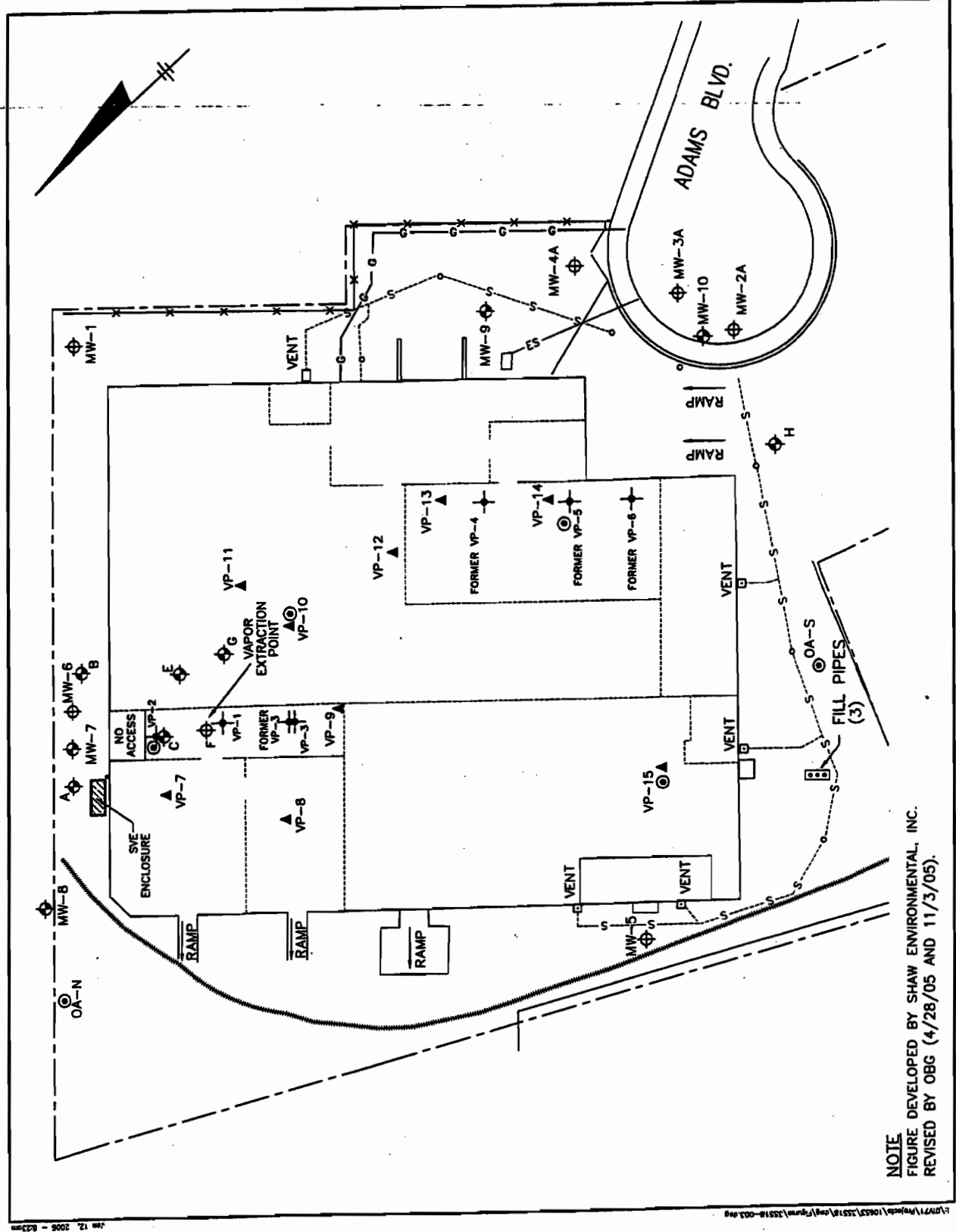
- LEGEND**
- TRAIN TRACK
 - ⊙ AIR SAMPLING POINT (LOCATIONS APPROXIMATE AS SHOWN)
 - ▲ SAMPLING/ VAPOR MONITORING POINT
 - + VAPOR MONITORING POINT
 - ⊕ DEEP MONITORING WELL (>30')
 - ⊕ SHALLOW MONITORING WELL (<30')
 - MANHOLE OR ACCESS POINT
 - ✕ FENCE LINE
 - ES- ELECTRIC LINE
 - G- GAS LINE
 - S- 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: 1000
Weather: 77F, Sun Date: 7/24/2007

System Status:

Arrival: Running
Departure: Running
Run Timer Reading: 1477540
Electric Meter Reading: 07640, 0.36, 14.69, 0037

System Data:

Extraction Well F Gate Valve: 100 % Open
Dilution Valve: 50 % Open

Pre-Bleed Air (Extraction Well):	Post-Bleed Air (SVE Influent):
Flow: <u>75.0</u> CFM	Flow: <u>205.0</u> CFM
Vacuum: <u>29.0</u> "H2O	Vacuum: <u>--</u> "H2O
PID Reading: <u>13.2</u> PPM	PID Reading: <u>3.5</u> PPM
Draeger Tube: <u>2.0</u> PPM	Draeger Tube: <u>3.0</u> PPM
Temperature: <u>84.5</u> °F	Temperature: <u>132.6</u> °F

Carbon Monitoring:

Mid: 1.9 PPM 202 CFM 140.5 Temp. (°F) 0.0 PPM (Drager)
Effluent: 0.0 PPM 194 CFM 138.4 Temp. (°F) 0.0 PPM (Drager)

Carbon effluent sample collected & shipped to lab? Yes

Knockout Tank Drained? No
Gallons: N/A
Purge water drums on-site: 7

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):	14.15	14.15	14.34	--	--	--	--	--	--	--	--	--	--	--	--
Vac. (" H2O):	--	--	--	1.8	0.65	0.25	0.41	0.35	0.23	N/A	0.2	0.05	0.0	0.0	0.0
PID (PPM):	--	--	--	--	--	--	0.0	0.0	0.0	N/A	0.0	0.0	0.0	0.0	0.0

Comments:

VP-10 under a pallet

APPENDIX B
LABORATORY REPORT OF ANALYSES



"Environmental Testing For The New Millennium"

July 31, 2007

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

RE: Client Project: NYSDEC – National Heatset
Lab Project #: F1018

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".

Agnes R. Ng
CLP Project Manager



Report of Laboratory Analyses for O'Brien & Gere

Client Project: National Heatset, 07/24/07

Mitkem Work Order ID: F1018

July 31, 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, 07/24/07

Lab Project: F1018

Date samples received: 07/25/07

Project Narrative

This data report includes the analysis results for one (1) air sample in a Tedlar bag that was received from O'Brien & Gere on July 25, 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. No 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", written in a cursive style.

Agnes Ng
CLP Project Manager

Mitkem Corporation

Date: 27-Jul-07

Client: The O'Brien & Gere Companies

Client Sample ID: SVE-EFFLUENT

Lab ID: F1018-01

Project: National Heatset

Collection Date: 07/24/07 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS				TO14			
Dichlorodifluoromethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Chloromethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Vinyl chloride	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Bromomethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Chloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Trichlorofluoromethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1-Dichloroethene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Acetone	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Iodomethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Carbon disulfide	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Methylene chloride	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
trans-1,2-Dichloroethene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Methyl tert-butyl ether	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1-Dichloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Vinyl acetate	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
2-Butanone	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
cis-1,2-Dichloroethene	0.28	J	1.0	mg/m ³		1 07/26/2007 18:09	31399
2,2-Dichloropropane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Chloroform	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1,1-Trichloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1-Dichloropropene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Carbon tetrachloride	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2-Dichloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Benzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Trichloroethene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2-Dichloropropane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Dibromomethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Bromodichloromethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
cis-1,3-Dichloropropene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
4-Methyl-2-pentanone	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Toluene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
trans-1,3-Dichloropropene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1,2-Trichloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,3-Dichloropropane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Tetrachloroethene	0.22	J	1.0	mg/m ³		1 07/26/2007 18:09	31399
2-Hexanone	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Dibromochloromethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2-Dibromoethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Chlorobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1,1,2-Tetrachloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Corporation

Date: 27-Jul-07

Client: The O'Brien & Gere Companies

Client Sample ID: SVE-EFFLUENT

Lab ID: F1018-01

Project: National Heatset

Collection Date: 07/24/07 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TO-14 (Modified) VOA by GC-MS			TO14				
Ethylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Xylene (Total)	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Styrene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Bromoform	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Isopropylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,1,2,2-Tetrachloroethane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Bromobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2,3-Trichloropropane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
n-Propylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
2-Chlorotoluene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,3,5-Trimethylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
4-Chlorotoluene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
tert-Butylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2,4-Trimethylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
sec-Butylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
4-Isopropyltoluene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,3-Dichlorobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,4-Dichlorobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
n-Butylbenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2-Dichlorobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2-Dibromo-3-chloropropane	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2,4-Trichlorobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Hexachlorobutadiene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
1,2,3-Trichlorobenzene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Naphthalene	ND		1.0	mg/m ³		1 07/26/2007 18:09	31399
Surr: Dibromofluoromethane	91.0		70-130	%REC		1 07/26/2007 18:09	31399
Surr: 1,2-Dichloroethane-d4	91.5		70-130	%REC		1 07/26/2007 18:09	31399
Surr: Toluene-d8	103		70-130	%REC		1 07/26/2007 18:09	31399
Surr: Bromofluorobenzene	95.1		70-130	%REC		1 07/26/2007 18:09	31399

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

CLIENT: The O'Brien & Gere Companies
 Work Order: F1018
 Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: MB-31399 SampType: MBLK TestCode: TO14 Run ID: V1_070726B
 Client ID: MB-31399 Batch ID: 31399 Units: mg/m³ Analysis Date: 7/26/2007 Prep Date: 7/26/2007 SeqNo: 669045

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.0									
Chloromethane	ND	1.0									
Vinyl chloride	ND	1.0									
Bromomethane	ND	1.0									
Chloroethane	ND	1.0									
Trichlorofluoromethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
Acetone	ND	1.0									
Iodomethane	ND	1.0									
Carbon disulfide	ND	1.0									
Methylene chloride	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
Methyl tert-butyl ether	ND	1.0									
1,1-Dichloroethane	ND	1.0									
Vinyl acetate	ND	1.0									
2-Butanone	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
2,2-Dichloropropane	ND	1.0									
Chloroform	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1-Dichloropropene	ND	1.0									
Carbon tetrachloride	ND	1.0									
1,2-Dichloroethane	ND	1.0									
Benzene	ND	1.0									
Trichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
Dibromomethane	ND	1.0									
Bromodichloromethane	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
4-Methyl-2-pentanone	ND	1.0									
Toluene	0.2390	1.0									
trans-1,3-Dichloropropene	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,1,3-Dichloropropane	ND	1.0									
Tetrachloroethene	ND	1.0									
2-Hexanone	ND	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: The O'Brien & Gere Companies
 Work Order: F1018
 Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: MB-31399 SampType: MBLK TestCode: TO14 Prep Date: 7/26/2007 Run ID: V1_070726B

Client ID: MB-31399 Batch ID: 31399 Units: mg/m³ Analysis Date: 7/26/2007 SeqNo: 669045

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.0									
1,2-Dibromoethane	ND	1.0									
Chlorobenzene	ND	1.0									
1,1,1,2-Tetrachloroethane	ND	1.0									
Ethylbenzene	ND	1.0									
Styrene	ND	1.0									
Bromoform	ND	1.0									
Isopropylbenzene	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
Bromobenzene	ND	1.0									
1,2,3-Trichloropropane	ND	1.0									
n-Propylbenzene	ND	1.0									
2-Chlorotoluene	ND	1.0									
1,3,5-Trimethylbenzene	ND	1.0									
4-Chlorotoluene	ND	1.0									
tert-Butylbenzene	ND	1.0									
1,2,4-Trimethylbenzene	ND	1.0									
sec-Butylbenzene	ND	1.0									
4-Isopropyltoluene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
n-Butylbenzene	ND	1.0									
1,2-Dichlorobenzene	0.2419	1.0									J
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
Hexachlorobutadiene	0.2291	1.0									J
1,2,3-Trichlorobenzene	ND	1.0									
Naphthalene	ND	1.0									
Xylene (Total)	0.6927	1.0									J
Surr: Dibromofluoromethane	9.882	1.0	10.00	0	98.8	70	130	0			
Surr: 1,2-Dichloroethane-d4	9.493	1.0	10.00	0	94.9	70	130	0			
Surr: Toluene-d8	9.868	1.0	10.00	0	98.7	70	130	0			
Surr: Bromofluorobenzene	9.534	1.0	10.00	0	95.3	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits



CLIENT: The O'Brien & Gere Companies
 Work Order: F1018
 Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Sample ID: LCS-31399 SampType: LCS TestCode: TO14 Run ID: V1_070726B
 Client ID: LCS-31399 Batch ID: 31399 Units: mg/m³ Analysis Date: 7/26/2007 SeqNo: 669046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	7.314	1.0	10.00	0	73.1	70	130	0			
Chloromethane	9.048	1.0	10.00	0	90.5	70	130	0			
Vinyl chloride	8.350	1.0	10.00	0	83.5	70	130	0			
Bromomethane	8.698	1.0	10.00	0	87.0	70	130	0			
Chloroethane	9.091	1.0	10.00	0	90.9	70	130	0			
Trichlorofluoromethane	8.498	1.0	10.00	0	85.0	70	130	0			
1,1-Dichloroethene	9.354	1.0	10.00	0	93.5	70	130	0			
Acetone	9.071	1.0	10.00	0	90.7	70	130	0			
Iodomethane	9.309	1.0	10.00	0	93.1	70	130	0			
Carbon disulfide	8.165	1.0	10.00	0	81.6	70	130	0			
Methylene chloride	9.869	1.0	10.00	0	98.7	70	130	0			
trans-1,2-Dichloroethene	9.743	1.0	10.00	0	97.4	70	130	0			
Methyl tert-butyl ether	11.49	1.0	10.00	0	115	70	130	0			
1,1-Dichloroethane	10.09	1.0	10.00	0	101	70	130	0			
Vinyl acetate	10.22	1.0	10.00	0	102	70	130	0			
2-Butanone	9.501	1.0	10.00	0	95.0	70	130	0			
cis-1,2-Dichloroethene	10.06	1.0	10.00	0	101	70	130	0			
2,2-Dichloropropane	10.32	1.0	10.00	0	103	70	130	0			
Chloroform	10.21	1.0	10.00	0	102	70	130	0			
1,1,1-Trichloroethane	9.958	1.0	10.00	0	99.6	70	130	0			
1,1-Dichloropropene	10.14	1.0	10.00	0	101	70	130	0			
Carbon tetrachloride	9.651	1.0	10.00	0	96.5	70	130	0			
1,2-Dichloroethane	10.22	1.0	10.00	0	102	70	130	0			
Benzene	10.21	1.0	10.00	0	102	70	130	0			
Trichloroethene	10.32	1.0	10.00	0	103	70	130	0			
1,2-Dichloropropane	10.63	1.0	10.00	0	106	70	130	0			
Dibromomethane	9.733	1.0	10.00	0	97.3	70	130	0			
Bromodichloromethane	9.944	1.0	10.00	0	99.4	70	130	0			
cis-1,3-Dichloropropene	10.15	1.0	10.00	0	102	70	130	0			
4-Methyl-2-pentanone	10.07	1.0	10.00	0	101	70	130	0			
Toluene	10.40	1.0	10.00	0	104	70	130	0			
trans-1,3-Dichloropropene	9.855	1.0	10.00	0	98.5	70	130	0			B
1,1,2-Trichloroethane	9.943	1.0	10.00	0	99.4	70	130	0			
1,3-Dichloropropane	9.741	1.0	10.00	0	97.4	70	130	0			
Tetrachloroethene	10.03	1.0	10.00	0	100	70	130	0			
2-Hexanone	9.142	1.0	10.00	0	91.4	70	130	0			
Dibromochloromethane	8.759	1.0	10.00	0	87.6	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



CLIENT: The O'Brien & Gere Companies
 Work Order: F1018
 Project: National Heatset

ANALYTICAL QC SUMMARY REPORT

TestCode: TO14

Run ID: V1_070726B
 SeqNo: 669046

Prep Date: 7/26/2007
 Analysis Date: 7/26/2007

TestCode: TO14
 Units: mg/m³

SampType: LCS
 Batch ID: 31399

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	9.279	1.0	10.00	0	92.8	70	130	0			
Chlorobenzene	9.645	1.0	10.00	0	96.4	70	130	0			
1,1,1,2-Tetrachloroethane	9.347	1.0	10.00	0	93.5	70	130	0			
Ethylbenzene	9.932	1.0	10.00	0	99.3	70	130	0			
Styrene	10.05	1.0	10.00	0	100	70	130	0			
Bromoform	7.839	1.0	10.00	0	78.4	70	130	0			
Isopropylbenzene	10.02	1.0	10.00	0	100	70	130	0			
1,1,2,2-Tetrachloroethane	9.740	1.0	10.00	0	97.4	70	130	0			
Bromobenzene	9.895	1.0	10.00	0	98.9	70	130	0			
1,2,3-Trichloropropane	7.808	1.0	10.00	0	78.1	70	130	0			
n-Propylbenzene	10.36	1.0	10.00	0	104	70	130	0			
2-Chlorotoluene	10.19	1.0	10.00	0	102	70	130	0			
1,3,5-Trimethylbenzene	10.44	1.0	10.00	0	104	70	130	0			
4-Chlorotoluene	10.37	1.0	10.00	0	104	70	130	0			
tert-Butylbenzene	10.61	1.0	10.00	0	106	70	130	0			
1,2,4-Trimethylbenzene	10.40	1.0	10.00	0	104	70	130	0			
sec-Butylbenzene	10.52	1.0	10.00	0	105	70	130	0			
4-Isopropyltoluene	10.35	1.0	10.00	0	104	70	130	0			
1,3-Dichlorobenzene	10.09	1.0	10.00	0	101	70	130	0			
1,4-Dichlorobenzene	9.892	1.0	10.00	0	98.9	70	130	0			
n-Butylbenzene	10.46	1.0	10.00	0	105	70	130	0			
1,2-Dichlorobenzene	10.05	1.0	10.00	0	101	70	130	0			
1,2-Dibromo-3-chloropropane	9.351	1.0	10.00	0	93.5	70	130	0			B
1,2,4-Trichlorobenzene	9.592	1.0	10.00	0	95.9	70	130	0			
Hexachlorobutadiene	10.53	1.0	10.00	0	105	70	130	0			B
1,2,3-Trichlorobenzene	9.402	1.0	10.00	0	94.0	70	130	0			
Naphthalene	8.784	1.0	10.00	0	87.8	70	130	0			
Xylene (Total)	30.78	1.0	30.00	0	103	70	130	0			
Surr: Dibromofluoromethane	9.854	1.0	10.00	0	98.5	70	130	0			B
Surr: 1,2-Dichloroethane-d4	9.471	1.0	10.00	0	94.7	70	130	0			
Surr: Toluene-d8	9.749	1.0	10.00	0	97.5	70	130	0			
Surr: Bromofluorobenzene	9.753	1.0	10.00	0	97.5	70	130	0			



Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

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: 08/15/07

Fax Due: 08/08/07

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1018-01A	SVE-EFFLUENT	07/24/2007 11:00	07/25/2007	Air	TO14		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA



MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: (M) Reviewed By: [Signature] Date: 7-25-07 MITKEM Workorder #: F1018

Client Project: Mezzera Client: MBC7 Soil Headspace or Air Bubbles $\geq 1/4"$

	Lab Sample ID	Preservation (pH)				VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH		
1) Cooler Sealed <input checked="" type="radio"/> Yes / <input type="radio"/> No	F1018 01					A	
2) Custody Seal(s) <input checked="" type="radio"/> Present / <input type="radio"/> Absent <input checked="" type="radio"/> Coolers / <input type="radio"/> Bottles <input checked="" type="radio"/> Intact / <input type="radio"/> Broken							
3) Custody Seal Number(s) <u>N/A</u>							
4) Chain-of-Custody <input checked="" type="radio"/> Present / <input type="radio"/> Absent							
5) Cooler Temperature <u>28C</u> Coolant Condition							
6) Airbill(s) <input checked="" type="radio"/> Present / <input type="radio"/> Absent Airbill Number(s) <u>FEDEX 81017</u> <u>3027 9108</u>							
7) Sample Bottles <input checked="" type="radio"/> Intact / <input type="radio"/> Broken / <input type="radio"/> Leaking							
8) Date Received <u>7-25-07</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 = NaHSO₄ **F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Last Page of Data Report