MEMORANDUM



To: Billy Meyer

From: Christie Zawtocki, PE

Date: April 21, 2016

Project: One Hour Martinizing Site, DSCA ID 32-0013

1103 W Club Blvd, Durham, NC

Subject: Project Update

Hart & Hickman, PC (H&H) is submitting this update regarding limited monitoring activities completed at the One Hour Martinizing site in March 2016. The monitoring was conducted approximately eight months after completion of the July 2015 PlumeStopTM injection and approximately twenty-six months after the January 2014 EHC injection on the source property. A brief summary of recent monitoring activities is provided below, and an updated project calendar is provided in Attachment A.

Soil Vapor Field Screening

H&H completed a soil vapor field screening event at the site in March 2016. The event included measuring total volatile organic compounds (VOCs), methane, carbon dioxide, and oxygen in soil vapor, indoor air, and outdoor ambient air. The primary purpose of the sampling is to confirm methane levels remain within acceptable standards despite increased post-injection concentrations of methane in groundwater. Measurements were collected at the following locations:

- Soil Vapor Monitoring Points: SV-8S, SV-14, SV-20S, SV-27S, SV-29S, SV-36S, and SV-55S
- Excavation Vent Exhaust Pipe
- Indoor Air at 1414 Watts St (Triangle Family Church)
- Ambient, Outdoor Air on Source Property

Please note that field screening was planned for SV-8I and SV-27D; however, the points could not be screened due to moisture in the tubing.

The field screening data are summarized in the attached Table 1, and the methane readings are shown on the attached Figure 1, along with historical readings collected at the site. Recorded field measurements indicate that methane was only detected at low concentrations of 0.1 to 0.2% by volume in the soil vapor monitoring points during the March 2016 field screening event. These methane readings are well within acceptable levels.

Methane was detected at a concentration of 8.2% by volume in the vapors from the excavation passive exhaust vent during the March 2016 sampling event. Vapors from the vent are exhausted into the atmosphere through the stack installed on the source property where they dissipate into the atmosphere. Ambient air monitoring conducted near ground level in the immediate vicinity of the exhaust vent did not detect any measurable methane.

Low levels of methane (0.1% by volume were detected in the sub-slab depressurization system exhaust and indoor air at the Triangle Family Church at 1414 Watts St. These methane readings are well within acceptable levels.

VOCs were detected in each of the monitored soil vapor points, except SV-55S. The highest VOC concentration was detected south of the source property at 1414 Watts Street in soil vapor point SV-27D (6238 ppm).

Soil Gas Sampling Activities

H&H conducted a sampling event at the site in March 2016. The following soil gas sample points were sampled during the January 2015 event:

- 1103 W. Club Blvd (Source Property): SV-8S, SV-14, SV-55S
- 1414 Watts St (Triangle Family Church): SV-27S
- 1421 Dollar Ave (Residence): SV-20S
- 1419 Dollar Ave (Residence): SV-29S
- 1417 Dollar Ave (Residence): SV-36S

Samples were collected from each location and analyzed for the dry-cleaning solvent tetrachloroethylene (PCE) and its degradation products, trichloroethylene (TCE), cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, and vinyl chloride using EPA Method TO-15.

The soil gas sample analytical results are summarized in the attached Table 2 and shown on Figure 2. In general, PCE soil gas concentrations on the source property were lower in March 2016 compared to previous post-injection soil gas data. For the properties to the east and south, the March 2016 soil gas concentrations were generally within the range of previous post-injection concentrations with no clear trends. Graphs depicting PCE concentrations over time for the sampled soil gas monitoring points are provided in Attachment B.

Future Sampling Activities

The following additional sampling activities are planned through January 2017, as shown in the calendar in Attachment A.

Groundwater

Groundwater sampling events are planned for July 2016 and January 2017 to further evaluate the effectiveness of the PlumeStop[®] and EHC injections. During the July 2016 event, samples will



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be collected from the following wells within and downgradient of the PlumeStop® injection area: MW-3R, MW-4R, MW-11, and MW-24S. The samples will be analyzed for VOCs, methane, ethane, ethene, and total organic carbon (TOC). Field measurements of dissolved oxygen (DO), oxidation-reduction potential (ORP), temperature, pH, and conductivity will also be collected. Samples from MW-4R and MW-24S will also analyzed for RCRA metals.

During the January 2017 event, samples will be collected from the following monitoring wells:

- Source property: MW-3R, MW-4R, MW-22S, MW-23S, MW-24S
- North of source property: MW-11
- South of source property: MW-15S, MW-18
- East of source property: MW-14S, MW-16S

Samples from all of the wells will be analyzed for VOCs and will be field measured for DO, ORP, temperature, pH, and conductivity: In addition, samples from MW-4R, MW-15S, MW-22S, MW-23S, and MW-24S will be analyzed for methane, ethane, and ethene, and samples from MW-4R and MW-24S will be analyzed for RCRA metals.



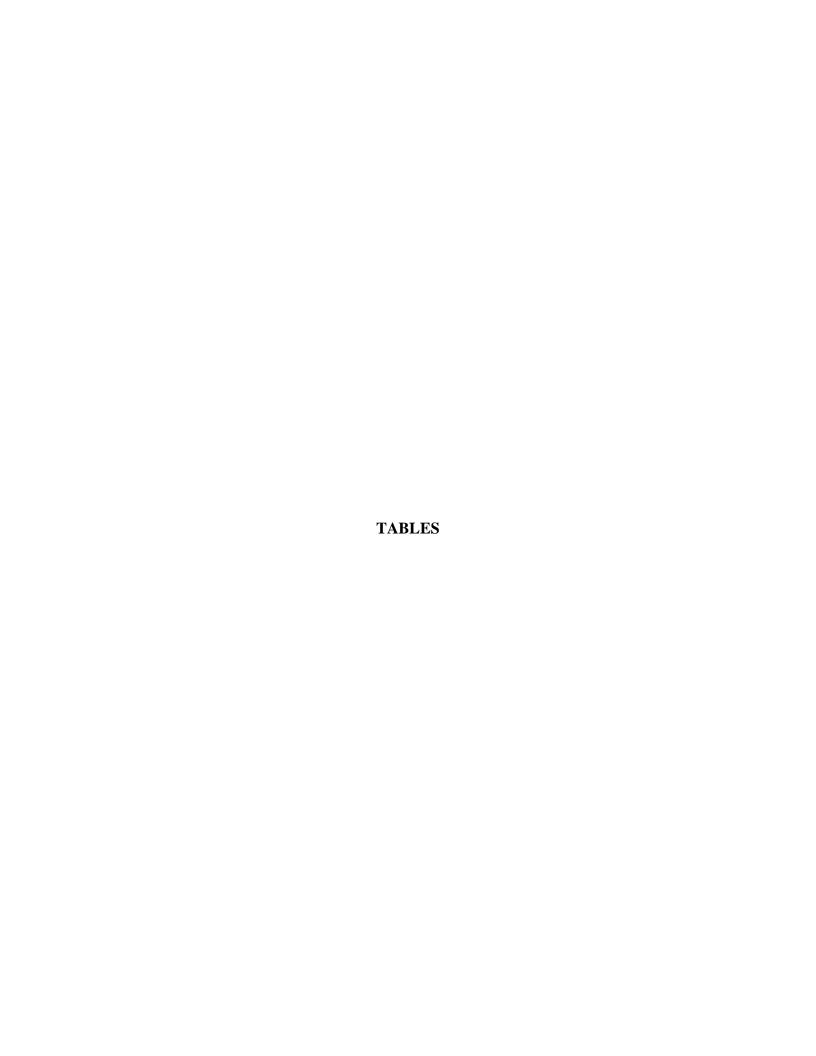


Table 1: Soi	l Vapor Poin	t and Indoor	/Outdoor Ai	r Field Meas	urements	ADT 1
DSCA ID No	o.: DC3200	013				
		уу)	ic			
		Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)			
		ww)	Total Volatile Orga Compounds (VOC)		xide	
		ate	olati	o)	Carbon Dioxide	
П	[83]	ng D	al Ve npou	Methane	noc	gen
Sample ID	Depth [feet bgs]	nplii	Tota Con	Met	Carl	Oxygen
Sar	De _l		ppm	%	%	%
		11/27/12	427	0.1	1.7	20.0
		01/08/13 02/07/13	1,833 NA	0.8	2.2	18.7 19.2
		03/08/13	NA	0.0	2.4	18.8
		04/08/13	465	0.0	2.4	17.7
		05/08/13	473	0.0	4.1	15.7
		06/13/13	360	0.0	5.7	13.7
		07/08/13 08/14/13	349 427	0.0	5.8 5.4	13.4 15.6
		09/11/13	427	0.1	4.1	15.1
		10/09/13	313	0.3	3.0	18.0
SV-8S	5.0	11/13/13	385	0.2	3.4	16.2
5 7 05	2.0	12/19/13	390	0.2	3.1	16.1
		01/08/14 02/03/14	492 50.8	0.2	3.8 1.5	18.4 19.5
		02/03/14	140	0.0	1.5	18.8
		03/17/14	109	0.0	2.0	18.4
		04/14/14	164	0.0	3.0	16.2
		05/22/14	324	0.0	8.0	8.4
		06/17/14 07/15/14	223 378	0.0	0.1	20.4
		10/14/14	378	0.0	5.3	20.4
		01/13/15	123	0.0	4.8	15.8
		03/15/16	1762	0.1	0.0	20.7
		05/22/14	220	0.0	5.8	13.3
		06/17/14	68.9	0.0	5.5	14.5
SV-14	5.0	07/15/14 10/14/14	5120 58.2	0.0	9.6 10.3	10.3 8.6
		01/13/15	99	0.0	6.5	12.3
		03/15/16	135	0.1	7.1	11.0
		11/27/12	75.5	0.0	6.3	16.1
		01/08/13	15.0	1.3	5.0	16.9
		02/07/13 03/08/13	NM NM	0.1	5.0	15.5 16.0
		04/08/13	47.4	0.0	5.2	15.3
		05/08/13	62.5	0.0	6.3	14.6
		06/13/13	64.0	0.0	7.7	13.1
		08/15/13 09/11/13	61.8 60.4	0.0	6.8 5.1	13.6 15.3
		10/09/13	89.7	0.1	7.0	15.3
		11/13/13	78.1	0.0	6.8	14.4
SV-20S	5.0	12/19/13	84.1	0.0	7.2	14.8
		01/08/14	104.0	0.0	7.3	15.5
		02/03/14 02/17/14	20.8	0.2	2.5	19.3 18.4
		03/17/14	7.6	0.0	4.7	18.8
		04/14/14	13.4	0.0	3.5	17.3
		05/23/14	80.5	0.0	4.3	15.7
		06/17/14	81.4	0.0	5.2	15.8
		07/15/14 10/14/14	42.4 88.1	0.0	5.5 6.8	15.6 14.6
		01/13/15	52.5	0.0	3.4	18.0
		03/15/16	398	0.1	4.8	15.4

Table 1: Soi	l Vapor Poin	t and Indoor	/Outdoor Ai	r Field Meas	urements	ADT 1
DSCA ID No	o.: DC320	013				
		$\overline{}$				
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen
3 1		05/22/14	250	0.0	5.4	10.9
SV-27S	8.0	06/17/14 06/17/14 07/15/14 10/14/14 01/13/15 03/15/16	157 445 441 203 1912	0.0 0.0 0.0 0.0 0.0	1.9 5.0 3.2 3.3 3.8	17.5 15.5 18.1 17.4 14.7
		06/17/14	254	0.0	0.2	19.9
SV-27D	20.0	07/15/14 10/14/14 01/13/15 03/15/16	130 1364 546 6238	0.0 0.0 0.0 NM	0.5 11.5 14.2 NM	19.4 9.2 10.8 NM
		11/27/12 01/08/13 02/07/13	344 96.3 NM	0.0 0.3 0.1	1.9 2.0 2.3	19.9 19.8 18.6
		03/08/13 04/08/13	NM 235	0.0	2.8 2.6	17.6 17.2
		05/08/13	151 197	0.0	3.3	16.7 16.2
		08/14/13	317	0.1	3.4	17.7
		09/11/13 10/09/13	268 356	0.1	2.2 3.2	17.6 18.0
SV-29S	5.0	11/13/13 12/19/13	294 264	0.0	2.8	17.8 15.4
		01/08/14	475	0.0	3.4	18.8
		02/03/14 02/17/14	266 104	0.2	1.2	20.6
		03/17/14 04/14/14	56.4 117	0.0	0.7 0.9	20.6 19.5
		05/23/14	22.3	0.0	1.9	18.7
		06/17/14 07/15/14	169 204	0.0	1.4 2.9	18.4 17.0
		01/13/15	163	0.0	2.8	18.2
		03/15/16 06/17/14	1806 341	0.0	3.3 2.9	15.9 15.9
		07/15/14	355	0.0	3.5	15.3
SV-36S	8.0	10/14/14 01/13/15	353 224	0.0	4.4	16.3 18.0
		03/15/16	1479	0.1	4.1	15.4

Table 1: Soil Vapor Point and Indoor/Outdoor Air Field Measurements ADT 1							
DSCA ID No	DC3200	013					
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	Methane	Carbon Dioxide	Oxygen	
Saï	De [fe		ppm	%	%	%	
		11/27/12 01/08/13	430 295	0.2 4.1	0.2 3.0	21.1 14.7	
		02/07/13	NM	2.1	2.8	14.6	
		03/08/13 04/08/13	NM 311	1.8 1.4	3.1	14.0 14.3	
		05/08/13	290	1.1	3.9	13.3	
		06/13/13	295	0.8	4.5	11.8	
		07/08/13 08/14/13	258 133	0.7	4.9 1.8	11.1 17.8	
		09/11/13	229	0.2	5.5	10.6	
		10/09/13	501	0.8	5.4	13.6	
SV-55S	5.0	11/13/13	444	0.4	4.8	11.1	
B V -33B	5.0	12/19/13	421	0.6	4.2	16.2	
		01/08/14	191	0.6	5.2	14.0	
		02/03/14 02/17/14	58.3 NM	0.4 NM	3.6 NM	18.1 NM	
		03/17/14	7.3	0.3	1.4	19	
		04/14/14	57.3	0.0	2.3	17.1	
		05/22/14	176	0.1	5.3	11.3	
		06/17/14	23.9	0.0	0.9	19.4	
		07/15/14	102	0.0	0	20.1	
		10/14/14	114	0.0	4.1	14.8	
		01/13/15 03/15/16	71 0.0	0.0	3.2 2.8	16.5 15.1	
		11/27/12	38.0	12.5	11.1	9.7	
		01/08/13	173	11.0	9.3	10.6	
		02/07/13	NM	17.3	15.9	1.5	
		03/08/13	NM	16.4	15.0	1.7	
		04/08/13	6.5	12.6	11.7	4.9	
		05/08/13 06/13/13	10.8 9.6	15.0 14.9	14.4 13.4	0.7	
		07/08/13	9.6	14.5	13.4	0.7	
		08/14/13	17.7	15.2	14.5	1.7	
		09/11/13	14.7	15.7	13.4	1.5	
		10/09/13	16.0	13.8	10.4	6.7	
Vent E Pi		11/13/13	15.8	12.9	11.1	4.4	
PI	ρο	12/19/13 01/08/14	9.2	10.9 8.7	10.0 12.0	3.8 5.1	
		02/03/14	7.5	0.2	0.0	21.9	
		02/17/14	30.7	23.2	16.2	6.1	
		03/17/14	0.0	0.0	0.0	21.6	
		04/14/14	0.0	6.4	6.1	13.2	
		05/22/14	287.0	4.2	4.3	14.1	
		06/17/14 07/15/14	580 70	4.6 0.0	4.6 0.0	14.1 20.0	
		10/14/14	6.0	11.9	12.7	2.2	
		01/13/15	7.7	0.0	0.1	21.6	
		03/15/16	42.8	8.2	9.2	1.1	

Table 1: Soil	Vapor Poin	t and Indoor	/Outdoor Ai	r Field Meas	urements	ADT 1		
DSCA ID No.: DC320013								
		Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)		ioxide			
Sample ID	Depth [feet bgs]	Sampling Da	Total Volatile Orga	% Methane	% Carbon Dioxide	% Oxygen		
		11/27/12	2.4	0.1	0.0	21.0		
		01/08/13	159	1.0	0.0	21.1		
		02/07/13	NM	0.2	0.0	21.4		
		03/08/13	NM	0.0	0.0	20.8		
		04/08/13	0.0	0.0	0.0	20.8		
		05/08/13	0.0	0.0	0.0	20.6		
		06/13/13	0.0	0.0	0.0	20.4		
		07/08/13	0.0	0.0	0.0	20.5		
		08/14/13	4.4	0.1	0.0	20.5		
		09/18/13	0.5	0.1	0.0	20.2		
SSD S	ystem	10/09/13 11/13/13	6.1 4.6	0.1	0.1	21.1		
Triangle Fan		12/19/13	5.2	0.0	0.0	20.8		
1414 Wat	ts Street	01/08/14	NM	NM	NM	NM		
		02/03/14	NM	NM	NM	NM		
		02/19/14	0.0	0.0	0.1	21.1		
		03/17/14	0.0	0.0	0.0	21.4		
		04/14/14	0.0	0.0	0.0	20.8		
		05/22/14	NM	NM	NM	NM		
		06/17/14	0.0/0.0	0.0/0.0	0.0/0.0	20.6/20.9		
		07/15/14	29.2/23.5	0.0/0.0	0.0/0.0	20.2/20.1		
		10/14/14	0.0/0.0	0.0/0.0	0.0/0.0	20.9/20.9		
		01/13/15	NM	NM	NM	NM		
		03/15/16	32.5/34.5	0.1/0.1	0.0/0.0	20.5/20.6		
		11/27/12	0.0	0.0	0.0	21.0		
		01/08/13	0.0	0.0	0.0	20.9		
		02/07/13	NM	0.0	0.0	20.8		
		03/08/13	0.0	0.0	0.0	21.0		
		05/08/13	0.0	0.0	0.0	20.5		
		06/13/13	0.0	0.0	0.0	20.5		
		07/08/13	0.0	0.0	0.0	20.5		
		08/14/13	0.0	0.1	0.0	20.6		
		09/18/13	0.0	0.0	0.0	20.3		
		10/09/13	0.0	0.1	0.0	21.2		
Indoor Triangle Fan		11/13/13	0.0	0.0	0.0	20.8		
1414 Wat		12/19/13	0.0	0.0	0.0	21.2		
2121 1140		01/08/14	NM	NM	NM	NM		
		02/03/14	NM	NM	NM	NM		
		02/17/14	0.0	0.0	0.1	21.1		
		03/17/14	0.0	0.0	0.0	21.6		
		04/14/14	NM	NM	NM	NM 20.6		
		05/22/14	0.0	0.0	0.0	20.6		
		06/17/14 07/16/14	0.0	0.0	0.0	20.9		
		10/14/14	0.0	0.0	0.0	20.6		
		01/13/15	0.0	0.0	0.0	21.2		
		03/15/16	0.0	0.0	0.0	20.7		

Table 1: Soi	l Vapor Poin	t and Indoor	/Outdoor Ai	r Field Meas	urements	ADT 1
DSCA ID No	o.: DC3200)13				
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen
		11/27/12	0.0	0.0	0.0	20.9
		01/08/13	0.0	0.0	0.0	20.9
		02/07/13	NM	0.0	0.0	21.5
		03/08/13	NM	0.0	0.0	20.9
		04/08/13	0.0	0.0	0.0	20.5/20.6
		05/08/13	0.0	0.0	0.0	20.4
		06/13/13	0.0	0.0	0.0	20.4
		07/08/13	0.0	0.0	0.0	20.4
		08/14/13	0.0	0.0	0.0	20.6
		09/11/13	0.0	0.0	0.0	20.3
		10/09/13	0.0	0.3	0.0	21.3
Ambient, C		11/13/13	0.0	0.0	0.0	22.1
(near excava subjec		12/19/13	0.0	0.0	0.0	22.4
subjec	it site)	01/08/14	0.0	0.2	0.2	20.6
		02/03/14	0.5	0.1	0.0	21.3
		02/17/14	0.0	0.0	0.1	21.3
		03/17/14	0.0	0.0	0.0	21.3
		04/14/14	0.0	0.0	0.0	21.2
		05/22/14	0.0	0.0	0.0	20.9
			0.0	0.0	0.0	20.9
		07/16/14	0.0	0.0	0.0	20.7
		10/14/14	0.0	0.0	0.0	20.9
		01/13/15	0.0	0.0	0.0	20.8
		03/15/16	0.0	0.1	0.0	20.8

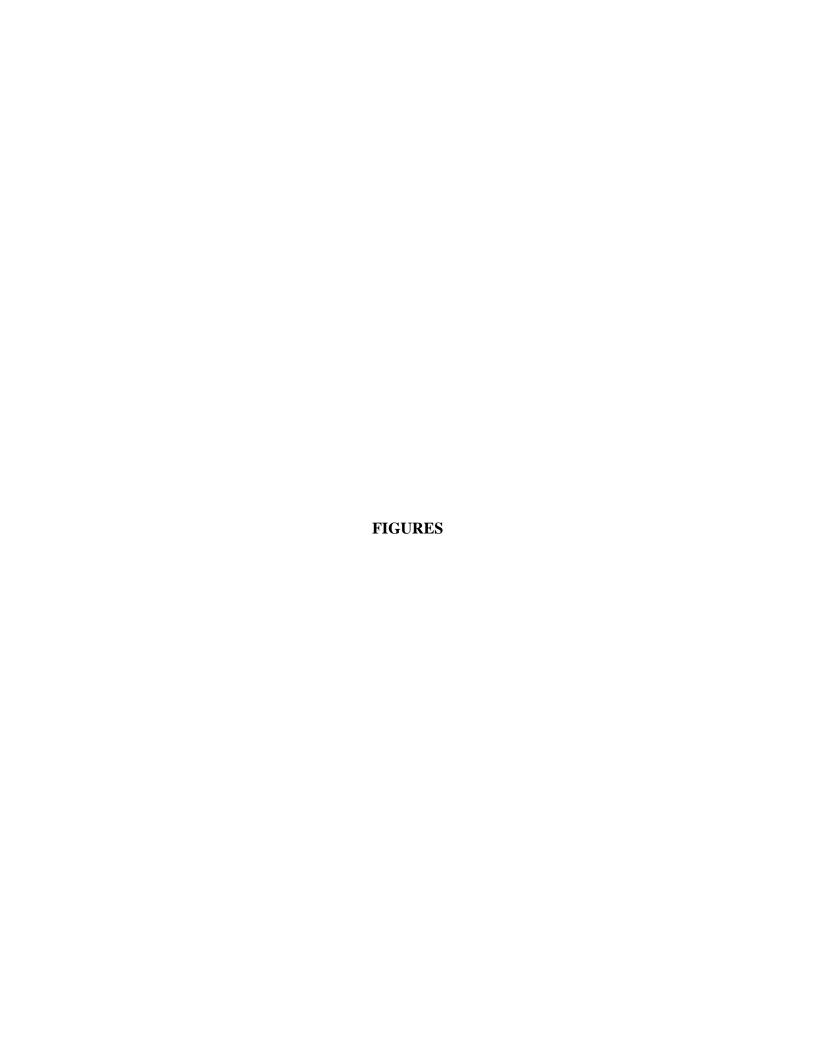
- 1. VOC concentrations measured using a photoionization detector (PID)
- 2. Methane, carbon dioxide, and oxygen concentrations measured using GEM 2000 multi-gas meter.
- 3. NM denotes not measured; NA denotes not available.
- 4. New sub-slab depressurization (SSD) systems were installed at the Triangle Family Church in May 2014. Subsequent readings are reported for the front fan/rear fan. 5. SV-55I reinstalled on 6/27/14.

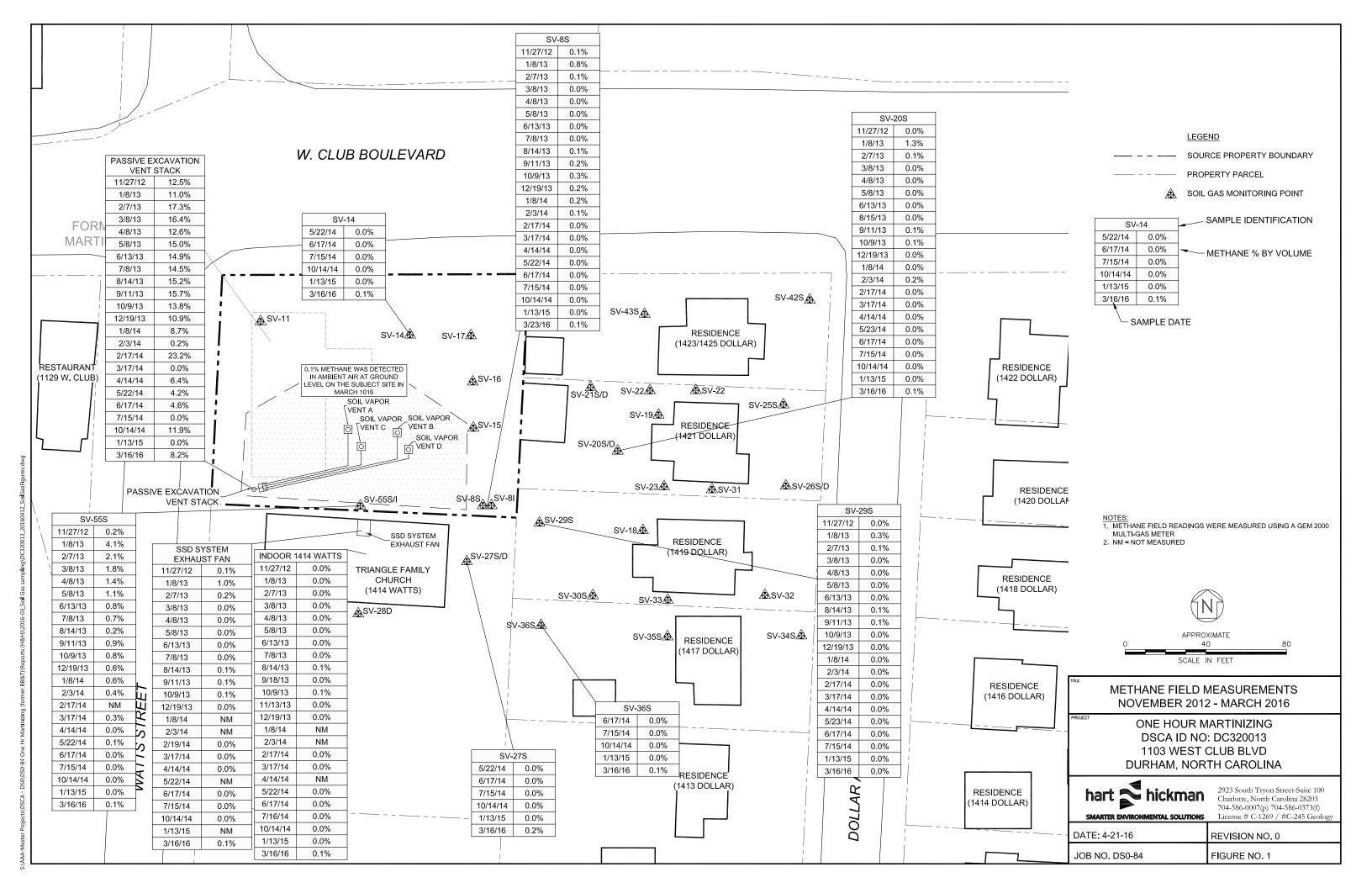
Table 2: Analytical Data for Soil Gas ADT 2									
DSCA ID N	lo.: DC32	0013							
Sample ID	Depth [feet bgs]	Sample Duration ¹	Sampling Date (mm/dd/yy)	cis-1,2-Dichloroethylene	Tetrachloroethylene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	
Sam	Depth [feet b	Sam	Sam			$[\mu g/m^3]$			
		N/A	05/29/09	<6,300	2,600,000	<6,300	<8,600	<4,100	
		16m	05/16/12	<63	88,000	<63	<86	<41	
		10m	11/27/12	<7,900	1,000,000	<7,900	12,000	<5,100	
		N/A	01/08/13	<1,600	1,600,000	<1,600	<2,100	<1,000	
		1h	10/09/13	<4.0	3,400	<4.0	<5.4	<2.6	
SV-8S	5	1h 20m 1h 19m	12/17/13 02/24/14	<7,900 <7.9	5,000,000	<7,900 <7.9	<11,000	<5,100 <5.1	
SV-0S	3	10m	03/24/14	<2,000	1,500,000	<2,000	<2,700	<1,300	
		6m	04/21/14	<7,900	2,300,000	<7,900	<11,000	<5,100	
		11m	07/07/14	<16	2,600,000	<16	580	<10	
		10m	10/07/14	<1600	3,500,000	<1600	3400	<1000	
		13m	01/05/15	<4,000	3,900,000	<4,000	24,000	<2,600	
		5m	03/23/16	< 790	1,800,000	< 790	6,300	<510	
		N/A	07/29/09	<28.94	227,177	<28.94	41.92	<18.66	
		1 hr 29m	12/18/13	<4.0	250,000	<4.0	33	<2.6	
		1 hr 12m	02/24/14	<7.9	200,000	<7.9	27	<5.1	
	10m	03/25/14	<400	110,000	<400	<540	<260		
SV-14	5	5m	04/22/14	<400	310,000	<400	<540	<260	
		10m	07/07/14	<16	290,000	<16	38	<10	
		10m	10/07/14	<160	310,000	<160	64 J	<100	
		9m	01/05/15	210 J	450,000	<400	5,000	<260	
		6m	03/15/16	<7.9	81,000	<7.9	11 J	< 5.1	
		N/A	11/17/09	<69.4	257,085	<133	<94	<43.7	
		19m	05/16/12	<63	140,000	<63	<86	<41	
		10m	11/27/12	<63	120,000	<63	<86	<41	
		N/A	01/08/13	<63	210,000	<63	100	<41	
		1h	10/09/13	<4.0	330,000	<4.0	6.0	<2.6	
SV-20S	8	1h 15m	12/18/13	<4.0	230,000	<4.0	4.0J	<2.6	
		10m	03/25/14	<4.0	300,000	<4.0	23	<2.6	
		5m	04/22/14	<400	550,000	<400	<540	<260	
		8m	07/07/14	<16	570,000	<16	<21	<10	
		10m	10/06/14	<79	450,000	<79	340.0	<51	
		19m	01/06/15	<790	390,000	<790	<1,100	<510	
		5m 1h 17m	03/15/16 12/07/09	<320 <23.4	510,000 419,604	<320 <23.4	<430 61.3J	<200 <25.7	
		1n 1/m 12m	05/16/12	<1.6	2,200,000	<1,600	<2,100	<1,000	
		12III 1h 10m	10/09/13	<4.0	2,200,000	1.5	97	<2.6	
		1h 9m	12/17/13	<4.0	1,600,000	<4.0	81	<2.6	
		1h 3m	02/24/14	<7.9	2,000,000	2.5J	150	<5.1	
SV-27S	8	13m	03/24/14	<2,000	2,500,000	<2,000	<2,700	<1,300	
54 275	U	10m	04/21/14	<4,000	3,400,000	<4,000	<5,400	<2,600	
		13m	07/07/14	19	1,700,000	<16	970	<10	
		10m	10/07/14	30000	9,800,000	<1600	7800	1600	
		9m	01/05/15	<16,000	4,100,000	<16,000	<21,000	<10,000	
		5m	03/15/16	<3,200	3,200,000	<3,200	6,400	<2,000	
		J111	03/13/10	13,200	3,200,000	3,200	0,700	~2,000	

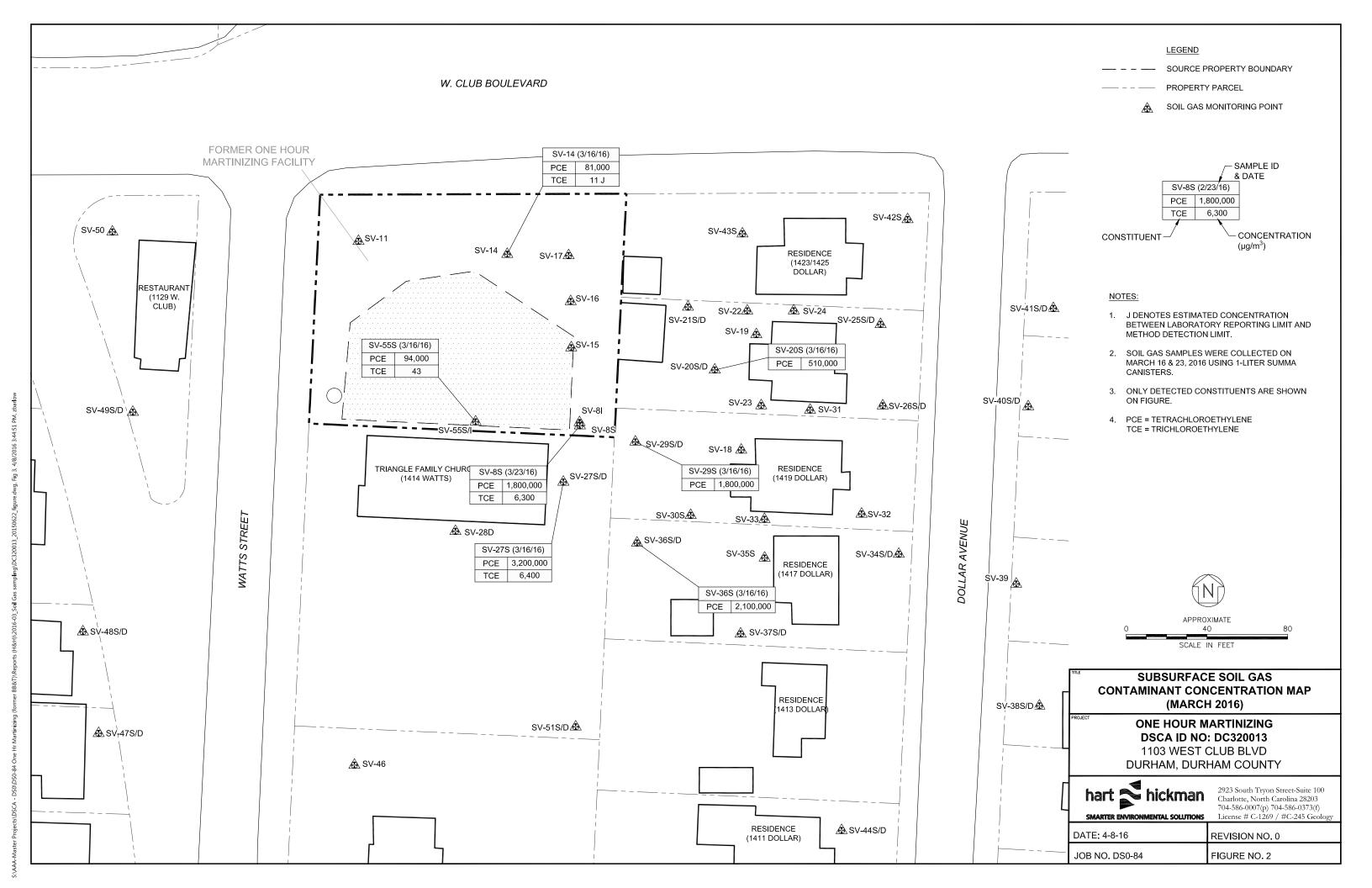
Table 2: An	nalytical Dat	a for Soil G	as					ADT 2
DSCA ID N	No.: DC320	0013						
Sample ID	Depth [feet bgs]	Sample Duration ¹	Sampling Date (mm/dd/yy)	cis-1,2-Dichloroethylene	Tetrachloroethylene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride
Sam	Depth [feet by	San	San			$[\mu g/m^3]$		
		N/A	11/17/09	<69.4	2,190,984	<133	<94	<116
		33m	05/17/12	<1,600	2,200,000	<1,600	<2,100	<1,000
		10m	11/27/12	<630	610,000	<630	<860	<410
		N/A	01/08/13	<630	810,000	<630	<860	<410
		1h 25m	10/09/13	<4.0	1,900,000	<4.0	34	<2.6
		1h 5m	12/18/13	<4.0	1,500,000	<4.0	26	<2.6
SV-29S	8	1h 14m	02/24/14	< 7.9	1,100,000	< 7.9	31	< 5.1
		10m	03/25/14	2,400	1,400,000	3,000	4,400	1,800
		9m	04/21/14	<4,000	3,000,000	<4,000	<5,400	<2,600
		10m	07/07/14	<16	1,600,000	<16	27	<10
		10m	10/06/14	<400	1,100,000	<400	< 540	<260
		9m	01/05/15	<1,600	2,400,000	<1,600	<2,100	<1,000
		19m	03/15/16	<3,200	1,800,000	<3,200	<4,300	<2,000
		50m	01/08/10	<4.35	470,000	<4.35	27.6	<4.79
		9m	05/17/12	<630	1,200,000	<630	<860	<410
		1h 32m	02/24/14	28	750,000	13	170	< 5.1
		10m	03/25/14	43	1,400,000	26	270	<2.6
SV-36S	8	6m	04/21/14	<2,000	2,700,000	<2,000	<2,700	<1,300
		10m	07/07/14	35	1,400,000	34	340	<10
		10m	10/07/14	<400	840,000	<400	270J	<260
		9m	01/05/15	<1,600	2,600,000	<1,600	1100 J	<1,000
		5m	03/15/16	<3,200	2,100,000	<3,200	<4,300	<2,000
		15m	11/27/12	<630	1,200,000	<630	<860	<410
		N/A	01/08/13	<1,600	2,500,000	<1,600	<4,100	<1,000
		1h 5m	10/09/13	310	3,800,000	1.1 J	890	1.4 J
		1h 46m	12/18/13	<4,000	2,700,000	<4,000	<5,400	<2,600
		7h 3m	02/24/14	< 7.9	140,000	< 7.9	20	< 5.1
SV-55S	5	9m	03/24/14	<2,000	850,000	<2,000	<2,700	<1,300
		10m	04/21/14	<4,000	1,500,000	<4,000	<5,400	<2,600
		10m	07/07/14	<16	1,100,000	<16	680	<10
		10m	10/07/14	<400	780,000	<400	290J	<260
		10m	01/05/15	< 790	480,000	< 790	690 J	<510
		10m	03/15/16	< 7.9	94,000	<7.9	43	<5.1
DWM	Residential Soi	l Gas Screenin	g Level	NE	278	NE	13.9	76.8
DWM No	on-Residential S	Soil Gas Screen	ning Level	NE	3,500	NE	175	2,790
Notes:								

Notes:

- 1. NE = Not Established
- Division of Waste Management (DWM) Soil Gas Screening Levels (March 2016).
 J flag denotes estimated concentration between laboratory reporting limit and method detection limit.







ATTACHMENT A PROJECT CALENDAR

	~ May 2016 ~									
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
1	2	3	4	5	6	7				
8	9	10	11	12	13	14				
15	16	17	18	19	20	21				
22	23	24	25	26	27	28				
29	30	31	Note: Schedule tentative and subject to change. Please check https://ncdenr.s3.amazonaws.com/s3fs-public/Waste%20Management/DWM/SF/DSCA/One%20Hour%20Martinizing%202014/DC320013_20151215_Calendar.pdf regularly for any changes in the schedule.							

~ J	une	201	6 ~

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
			1	2	3	4			
5	6	7	8	9	10	11			
12	13	14	15	16	17	18			
19	20	21	22	23	24	25			
26	27	28	29	30					

	~ July 2016 ~									
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
	re and subject to change SF/DSCA/One%20Hour edule.	1	2							
3	4	5	PlumeStop Post-Injection Groundwater Sampling	7	8	9				
10	11	12	13	14	15	16				
17	18	19	20	21	22	23				
24	25	26	27	28	29	30				

~ August 2016 ~

		<u>,</u>	ragaet ze re			
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30		e and subject to change. lanagement/DWM/SF/DS Calendar.pdf regularly fo	CA/One%20Hour%20Ma	artinizing%202014/

~ September 2016 ~								
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
				1	2	3		
s3fs-public/Waste%20M	e and subject to change. I lanagement/DWM/SF/DS Calendar.pdf regularly fo	CA/One%20Hour%20Ma	rtinizing%202014/					
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30	31		

		~ (October 2016	`~		
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			cdenr.s3.amazonaws.com/ alendar.pdf regularly for a			1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24 31	25	26	27	28	29

~ November 2016 ~							
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Note: Schedule tentati change. Please check ncdenr.s3.amazonaws Waste%20Manageme One%20Hour%20Man DC320013_20151215 larly for any changes in	https:// s.com/s3fs-public/ nt/DWM/SF/DSCA/ tinizing%202014/ _Calendar.pdf_regu-	1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

~ December 2016 ~								
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
				1	2	3		
Note: Schedule tentative	e and subject to change. I	Please check https://ncde	nr.s3.amazonaws.com/					
		CA/One%20Hour%20Ma any changes in the sche						
		, , , , , , , , , , , , , , , , , , ,						
4	5	6	7	8	9	10		
·								
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30	31		

		~	January 201	7~		
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			ncdenr.s3.amazonaws.con for any changes in the sch		/lanagement/DWM/SF/DS	CA/One%20Hour%
	2	3	4	5	6	7
			Annual Ground	lwater Sampling		
	9	10	11	12	13	14
	16	17	18	19	20	21
	23	24	25	26	27	28

ATTACHMENT B GRAPHS

