MEMORANDUM



To:	Billy Meyer	
From:	Christie Zawtocki, PE Timothy Klotz	
Date:	March 7, 2014	
Project:	One Hour Martinizing Site, DSCA ID 32-0013 1103 W Club Blvd, Durham, NC	
Subject:	Monthly Update	

Hart & Hickman, PC (H&H) is proceeding with implementation of the Remedial Action Plan (RAP) for the One Hour Martinizing site. A brief summary of recently completed activities and upcoming activities is provided below. An updated project calendar is provided in Attachment A.

Injection of EHC

The RAP includes injection of EHC (a commercial remediation product that contains zero-valent iron and carbon) to treat groundwater impacts at the source property targeting PCE groundwater concentrations of 15 mg/L or greater. The EHC injection activities were performed at the site between January 8 and January 25, 2014. The activities included injecting a EHC slurry (EHC mixed with water) into thirty shallow injection points and thirteen intermediate injection points. A total of 20,000 lbs of EHC was injected as a 30% slurry resulting in a total injection volume of 7,134 gallons EHC slurry. Water was obtained from a fire hydrant located near the site and was temporarily stored in a holding tank on the source property.

The injection design included spacing the shallow and intermediate injection points on approximate 12-ft centers. The target injection interval for the shallow points was approximately 22 to 40 ft below ground surface (bgs). For the intermediate injection points, the design included injecting over a 10-ft vertical interval with the bottom of the injection interval at the refusal depth of the direct-push rig. The refusal depth was estimated to be between 45 and 50 ft bgs. Actual refusal depth for the intermediate points varied between 36 and 55 ft bgs. The injection point locations and injection intervals were slightly adjusted in the field due to access, difficult drilling conditions, and proximity to existing monitoring wells. The shallow and intermediate injection intervals and pounds of EHC injected into each injection point are summarized on Tables 1A and 1B for the shallow and intermediate points, respectively.

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On February 21, 2014, H&H submitted an Injection Event Record to the Underground Injection Control (UIC) Program, in accordance with the UIC permit requirements. H&H is also preparing a report to document the injection activities.

Soil Vapor Field Screening

H&H completed a post-injection soil vapor field screening event at the site on February 16 and 17, 2014. 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 are within acceptable standards. Measurements were scheduled to be collected at the following locations:

- Soil Vapor Monitoring Points: SV-8S, SV-8I, SV-18S, SV-19S, SV-20S, SV-20D, SV-29S, SV-55S, SV-55I
- Excavation Vent Exhaust Pipe
- Sub-Slab Depressurization (SSD) System Exhaust and Indoor Air at 1414 Watts St (Triangle Family Church)
- Ambient, Outdoor Air on Source Property

Measurements could not be collected from SV-55S and SV-55I due to moisture and lack of air flow in these sampling points. The field screening data are summarized in the attached Table 2, and the methane readings are shown on the attached Figure 2. Recorded field measurements indicate that methane was detected in one soil vapor monitoring point, SV-18, at a low level of 0.1% by volume. This methane reading is well within acceptable levels.

Methane was detected in the vapors from the excavation passive exhaust vent at a level of 23.2% by volume on February 17, 2014, which is substantially higher than recent sampling events. The elevated methane level is likely associated with the recent EHC injection and/or the Daramend material that was placed in the base of the excavation. These vapors 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. Methane also was not detected in the sub-slab depressurization system exhaust or indoor air at the Triangle Family Church at 1414 Watts St.

VOCs were detected in each of the monitored soil vapor points. In general, the soil vapor VOC concentrations are lower than the pre-injection concentrations. The highest VOC concentration was detected in soil vapor point SV-8I (317 ppm) located near the southeast corner of the source proeprty.

As indicated on the attached calendar, the next vapor field screening event is scheduled for March 17, 2014.



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Indoor Air Monitoring

In February 2014, H&H collected post-injection indoor air samples at the three structures adjacent to the source property where vapor mitigation systems are in place (1419 Dollar Ave, 1421 Dollar Ave, and 1414 Watts St). On February 23, 2014, H&H collected two 3-hour Summa canister indoor air samples from the Triangle Family Church at 1414 Watts St during the church's Sunday service. H&H also collected two 24-hour Summa canister indoor air samples from the residences at 1419 and 1421 Dollar Ave on February 19-20, 2014 and February 24-25, 2014, respectively. In addition, H&H is collecting two 14-day indoor air samples from the 1419 and 1421 Dollar Ave residences using passive Radiello sampling devices. The sampling periods for the 14-day samples are shown on the attached calendar. The indoor air samples were submitted for laboratory analysis of PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and VC. The analytical results for the indoor air samples will be presented in the next monthly update.

The next post-injection indoor air sampling event is planned for March 2014.

Post-Injection Groundwater and Soil Gas Sampling Activities

In accordance with the RAP, H&H conducted the first post-injection groundwater and soil gas sampling event in February 2014 to evaluate site conditions approximately one month after the EHC injection. The sampling activities were completed during the week of February 24, 2014. Groundwater samples were collected from the following locations:

- Source property: MW-3R, MW-3I, MW-4R, MW-4I, MW-21, MW-22S, MW-22I, MW-23S, MW-23I
- West of source property: MW-10
- South of source property: MW-15S, MW-15I, MW-18
- East of source property: MW-14S, MW-14I, MW-16S, MW-16I

Soil gas samples were collected from the following locations:

- Source property: SV-8S, SV-8I, SV-14, SV-55S
- West of source property: SV-49S, SV-49D, SV-50
- South of source property: SV-27S, SV-27D, SV-28D, SV-36S
- East of source property: SV-18, SV-19, SV-20D, SV-21S, SV-21D, SV-25S, SV-29S

The analytical results for the groundwater and soil gas samples will be provided in the next monthly update. In accordance with the RAP, H&H plans to conduct monthly post-injection groundwater and soil gas sampling for a minimum of three months. The next post-injection sampling event is scheduled for the week of March 24, 2014. A calendar which shows the post-injection schedule through April 2014 is attached.



TABLES

Table 1ASummary of Shallow Injection Point DataOne Hour MartinizingDurham, North CarolinaH&H Job No. DS0-84

Injection Point	Completion Date	Injection Interval (ft bgs)	EHC Injected (Ibs)
IP-1S	01/14/14	22-40	525
IP-2S	01/13/14	22-40	525
IP-3S	01/14/14	22-40	525
IP-4S	01/15/14	22-40	525
IP-5S	01/14/14	22-40	525
IP-6S	01/14/14	22-40	525
IP-7S	01/15/14	22-40	525
IP-8S	01/14/14	22-40	525
IP-9S	01/15/14	22-40	525
IP-10S	01/17/14	22-40	500
IP-11S	01/13/14	22-33 (refusal at 33 ft bgs)	525
IP-12S	01/14/14	22-40	525
IP-13S	01/15/14	22-40	525
IP-14S	01/18/14	22-42	825
IP-15S	01/17/14	22-40	500
IP-16S	01/18/14	22-40	525
IP-17S	01/20/14	22-40	525
IP-18S	01/09/14	22-40	525
IP-19S	01/08/14	22-40	525
IP-20S	01/10/14	22-40	525
IP-21S	01/20/14	22-40	525
IP-22S	01/08/14	22-40	525
IP-23S	01/10/14	22-40	525
IP-24S	01/21/14	22-40	525
IP-25S	01/09/14	22-40	525
IP-26S	01/10/14	22-40	525
IP-27S	01/17/14	22-40	525
IP-28S	01/09/14	22-40	525
IP-29S	01/09/14	22-40	525
IP-30S	01/10/14	22-40	525

Notes:

ft bgs = feet below ground surface

S:\AAA-Master Projects\DSCA - DS0\DS0-84 One Hr Martinizing (former BB&T)\Reports (H&H)\2014-02_Injection Report\Table _____ - Injection Point Info 3/7/2014

Table 1BSummary of Intermediate Injection Point DataOne Hour MartinizingDurham, North CarolinaH&H Job No. DS0-84

Injection Point	Completion Date	Injection Interval (ft bgs)	EHC Injected (Ibs)
IP-11	01/13/14	45-55	300
IP-2I	01/16/14	45-55	300
IP-3I	01/23/14	28-36 (refusal at 36 ft bgs)	300
IP-4I	01/09/14	45-55	300
IP-5I	01/13/14	45-55	300
IP-6I	01/21/14	45-55	300
IP-7I	01/16/14	45-55	300
IP-8I	01/13/14	45-55	300
IP-91	01/25/14	38-48 (refusal at 48 ft bgs)	300
IP-10I	01/16/14	42-48 (refusal at 48 ft bgs)	100
IP-11I	01/25/14	28-38 (refusal at 38 ft bgs)	300
IP-12I	01/16/14	45-55	300
IP-13I	01/25/14	33-43 (refusal at 43 ft bgs)	300
IP-14I	01/25/14	28-36 (refusal at 36 ft bgs)	300

Notes:

ft bgs = feet below ground surface



Table 2: Soil Vapor Point and Indoor/Outdoor Air Field Measurements ADT 2						
DSCA ID No	b.: 32-0013	1				
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Ecompounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen
U 1		11/27/12	427	0.1	1.7	20.0
SV-8S 5.00	01/08/13 02/07/13 03/08/13 05/08/13 06/13/13 07/08/13 08/14/13 09/11/13 10/09/13 11/13/13	1,833 NA NA 465 473 360 349 427 423 313 385	0.8 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.2 0.3 0.2	2.2 2.0 2.4 4.1 5.7 5.8 5.4 4.1 3.0 3.4	18.7 19.2 18.8 17.7 15.7 13.7 13.4 15.6 15.1 18.0 16.2	
		12/19/13 01/08/14 02/03/14 02/17/14 11/27/12	390 492 50.8 140 >9,999	0.2 0.2 0.1 0.0 0.0	3.1 3.8 1.5 1.5 2.5	16.1 18.4 19.5 18.8 18.8
SV-8I	17.00	01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 07/08/13 08/14/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14 02/03/14 11/27/12	2222 NM NM 4,098 1,720 248 305 165 3,056 119 310 320 534 317 22.3	$\begin{array}{c} 1.3 \\ 0.2 \\ 0.1 \\ 0.2 \\ 0.2 \\ 0.2 \\ 0.2 \\ 0.3 \\ 0.2 \\ 0.5 \\ 0.3 \\ 0.4 \\ 0.2 \\ \end{array}$	2.8 2.2 2.4 1.8 3.9 1.8 2.3 2.1 1.2 2.5 1.8 2.1 2.4 ed - no flow 3.8 2.5	18.3 18.6 17.9 17.6 13.3 16.5 15.9 15.6 11.2 15.9 12.4 13.4 19.4 19.1 19.2
SV-18	5.00	11/2//12 01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 08/14/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14 02/17/14	22.5 51.1 NM NM 2.1 14.9 20.7 26.1 84.5 201 102 100 52.5 25.7 22.1	$\begin{array}{c} 0.0\\ 0.4\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\$	$\begin{array}{c} 2.3 \\ 0.0 \\ 2.3 \\ 4.1 \\ 2.5 \\ 4.9 \\ 4.7 \\ 3.0 \\ 2.9 \\ 3.5 \\ 3.1 \\ 3.2 \\ 3.6 \\ 1.3 \\ 0.9 \end{array}$	$ \begin{array}{r} 19.2 \\ 21.5 \\ 18.6 \\ 16.9 \\ 18.1 \\ 15.9 \\ 16.2 \\ 18.2 \\ 16.5 \\ 17.5 \\ 16.8 \\ 15.8 \\ 18.5 \\ 20.8 \\ 20.8 \\ 20.8 \\ \end{array} $

Table 2: Soil	Table 2: Soil Vapor Point and Indoor/Outdoor Air Field Measurements ADT 2					
DSCA ID No	b.: 32-0013					
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Compounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen
01	I	11/27/12	2.25	0.0	10.8	11.5
SV-19	5.00	01/08/13 02/07/13 03/08/13 05/08/13 06/13/13 08/15/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14 02/17/14	4.50 NM NM 1.2 0.9 6.2 4.4 22.9 156 86.4 92.6 91.6 16.4 19.7	0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.1 8.6 8.3 9.1 9.7 9.2 10.1 11.9 9.8 8.7 9.8 3.3 2.8	13.3 13.9 13.5 13.7 13.0 11.7 12.1 9.3 9.8 10.4 13.5 18.8 19.4
SV-20S	5.00	11/27/12 01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 08/15/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14	75.5 15.0 NM NM 47.4 62.5 64.0 61.8 60.4 89.7 78.1 84.1 104.0 20.8 28.4	0.0 1.3 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	6.3 5.0 6.4 5.0 5.2 6.3 7.7 6.8 5.1 7.0 6.8 7.2 7.3 2.5 3.4	16.1 16.9 15.5 16.0 15.3 14.6 13.1 13.6 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 14.4 14.8 15.5 19.3 18.4
SV-20D	20.00	01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 08/15/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14 02/17/14	11.10 NM NM 46.8 61.4 58.9 60.1 93.1 113 101 98.6 115 31.9 34.4	$\begin{array}{c} 0.4 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.1 \\ 0.0 \\$	7.6 6.7 6.8 6.7 5.8 7.1 6.6 7.6 8.8 8.2 8.6 8.6 8.6 1.9 2.5	$ \begin{array}{r} 15.2\\ 15.6\\ 14.9\\ 15.2\\ 15.1\\ 13.5\\ 14.1\\ 12.5\\ 13.4\\ 12.8\\ 11.4\\ 15.3\\ 20.1\\ 19.5\\ \end{array} $

Table 2: Soil Vapor Point and Indoor/Outdoor Air Field Measurements ADT 2						
DSCA ID No	b.: 32-0013					
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic E Compounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen
01	I	11/27/12	344	0.0	1.9	19.9
SV-29S	5.00	01/08/13 02/07/13 03/08/13 05/08/13 06/13/13 08/14/13 09/11/13 10/09/13 11/13/13 12/19/13	96.3 NM 235 151 197 317 268 356 294 264	$\begin{array}{c} 0.3 \\ 0.1 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.1 \\ 0.1 \\ 0.0 \\$	2.0 2.3 2.8 2.6 3.3 3.6 3.4 2.2 3.2 2.8 3.1	19.8 18.6 17.6 17.2 16.7 16.2 17.7 17.6 18.0 17.8 15.4
		01/08/14 02/03/14 02/17/14	475 266 104	0.0 0.2 0.0	3.4 1.2 1.0	18.8 20.6 20.6
SV-55S	5.00	11/27/12 01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 06/13/13 07/08/13 08/14/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14 02/03/14	430 295 NM NM 311 290 295 258 133 229 501 444 421 191 58.3	0.2 4.1 2.1 1.8 1.4 1.1 0.8 0.7 0.2 0.9 0.8 0.4 0.6 0.6 0.6 0.4 Not measured -	0.2 3.0 2.8 3.1 3.0 3.9 4.5 4.9 1.8 5.5 5.4 4.8 4.2 5.2 3.6 water in probe	21.1 14.7 14.6 14.0 14.3 13.3 11.8 11.1 17.8 10.6 13.6 11.1 16.2 14.0 18.1
SV-55I	17.00	11/27/12 01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 07/08/13 08/14/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14	12 442 NM NM 86.5 NM 26.7 31.3 4.9 17.4 19.4 127	4.1 3.6 1.4 1.6 Not measured - 1.6 1.5 0.3 0.3 0.1 0.2 0.4 0.7 Not measured	0.6 2.0 2.9 3.5 water in probe 2.7 1.6 2.1 0.2 1.9 0.0 1.0 1.0 3.2 ed - no flow	$ \begin{array}{r} 12.4 \\ 12.1 \\ 14.8 \\ 14.6 \\ \hline 10.7 \\ 11.0 \\ 10.6 \\ 16.5 \\ 15.4 \\ 21.2 \\ 16.5 \\ 18.1 \\ 16.9 \\ \end{array} $

Table 2: Soil	Vapor Point	t and Indoor/	Outdoor Air	Field Measu	rements	ADT 2
DSCA ID No	o.: 32-0013					
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic Ecompounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen
Vent E Pi	xhaust	11/27/12 01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 06/13/13 07/08/13 08/14/13 09/11/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14 02/03/14	38.0 173 NM NM 6.5 10.8 9.6 9.6 17.7 14.7 16.0 15.8 12.8 9.2 7.5 30.7	12.5 11.0 17.3 16.4 12.6 15.0 14.9 14.5 15.2 15.7 13.8 12.9 10.9 8.7 0.2 23.2	$\begin{array}{c} 11.1\\ 9.3\\ 15.9\\ 15.0\\ 11.7\\ 14.4\\ 13.4\\ 13.0\\ 14.5\\ 13.4\\ 10.4\\ 11.1\\ 10.0\\ 12.0\\ 0.0\\ 16.2 \end{array}$	$\begin{array}{r} 9.7\\ 10.6\\ 1.5\\ 1.7\\ 4.9\\ 1.9\\ 0.7\\ 0.8\\ 1.7\\ 1.5\\ 6.7\\ 4.4\\ 3.8\\ 5.1\\ 21.9\\ 6.1\\ \end{array}$
11/27/12 01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 05/08/13 06/13/13 06/13/13 07/08/13 09/18/13 10/09/13 11/13/13 12/19/13 01/08/14		01/08/13 02/07/13 03/08/13 04/08/13 05/08/13 06/13/13 07/08/13 08/14/13 09/18/13 10/09/13 11/13/13 12/19/13 01/08/14 02/03/14	2.4 159 NM NM 0.0 0.0 0.0 0.0 4.4 0.5 6.1 4.6 5.2 0.0		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.0 21.1 21.4 20.8 20.8 20.6 20.4 20.5 20.5 20.5 20.2 21.1 20.8 21.4

Table 2: Soil	Vapor Poin	t and Indoor/	Outdoor Air	Field Measu	rements	ADT 2	
DSCA ID No	b.: 32-0013						
Sample ID	Depth [feet bgs]	Sampling Date (mm/dd/yy)	Total Volatile Organic E Compounds (VOC)	% Methane	% Carbon Dioxide	% Oxygen	
		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	NM	0.0	0.0	21.0	
		04/08/13	0.0	0.0	0.0	20.9	
		05/08/13	0.0	0.0	0.0	20.5	
		06/13/13	0.0	0.0	0.0	20.5	
Indoo Triangle For		07/08/13	0.0	0.0	0.0	20.5	
Triangle Far 1414 Wa	-	08/14/13	0.0	0.1	0.0	20.6	
1414 Wa	us bucci	09/18/13	0.0	0.0	0.0	20.3	
		10/09/13	0.0	0.1	0.0	21.2	
		11/13/13	0.0	0.0	0.0	20.8	
		12/19/13	0.0	0.0	0.0	21.2	
		01/08/14	Not measured - no access				
		02/03/14	Not measured - no access				
		02/16/14	0.0	0.0	0.1	21.1	
		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	20.9	
		05/08/13	0.0	0.0	0.0	20.4	
Ambient C		06/13/13	0.0	0.0	0.0	20.4	
Ambient, C (near excava		07/08/13	0.0	0.0	0.0	20.4	
subjec		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	
		11/13/13	0.0	0.0	0.0	22.1	
		12/19/13	0.0	0.0	0.0	22.4	
		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	

NM denotes not measured; NA denotes not available.
 VOC concentrations measured using a photoionization detector (PID)
 Methane, carbon dioxide, and oxygen concentrations measured using GEM 2000 multi-gas meter.

FIGURES



IDENCE 23/1425		
DLLAR)		LEGEND
		SOURCE PROPERTY BOUNDARY
		PROPERTY PARCEL LINE
	+	TYPE II MONITORING WELL
	Ø	INJECTION POINT
	<u></u>	EXCAVATION AREA
RESIDENCE (1421 DOLLAR)		

RESIDENCE (1419 DOLLAR)

	0 APPROX SCALE	D 40		
	SHALLOW INJECTION POINT LOCATION MAP			
RESIDENCE 417 DOLLAR)	PROJECT ONE HOUR MARTINIZING DSCA ID NO: 32-0013 1103 WEST CLUB BLVD DURHAM, NORTH CAROLINA			
		2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f) License # C-1269 / #C-245 Geology		
	DATE: 3-07-14	REVISION NO. 0		
	JOB NO. DS0-84	FIGURE. 1A		



IDENCE 23/1425 DLLAR)		RCE PROPERTY BOUNDARY
	TYPE O INJEC	PERTY PARCEL LINE II MONITORING WELL CTION POINT IVATION AREA
RESIDENCE (1421 DOLLAR)		
RESIDENCE (1419 DOLLAR)		
	0 APPRO 0 44 SCALE I	0 80
	INTERMEDIATE IN LOCATIO	
RESIDENCE (1417 DOLLAR)	PROJECT ONE HOUR M DSCA ID NO 1103 WEST (DURHAM, NOR	D: 32-0013 CLUB BLVD
		2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f) License # C-1269 / #C-245 Geology
	DATE: 3-07-14	REVISION NO. 0
	JOB NO. DS0-84	FIGURE. 1B



ATTACHMENT A

PROJECT CALENDAR

		~	February 2014	4 ~		
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Note: Schedule tentativ portal.ncdenr.org/web/ the schedule.	/e and subject to change. I wm/dsca/bbt_updates regu	Please check http:// larly for any changes in				1
2	3	4	5	6	7	8
	Methane Field Screening					
9	10	11	12	13	14	15
16	17	18	19	20	21	22
	Methane Field Screening		24-Hour Summa Canister Indoor Air Sampling at 1419 Dollar Ave			
				14-Day Radiello	Indoor Air Sampling a	at 1419 Dollar Ave
23 3-Hour Summa		Canister Indoor Air 421 Dollar Ave				1
Canister Indoor Air Sampling at		14-Day Radiello Indoor Air Sampling at 1421 Dollar Ave				
1414 Watts St		Post-Injection	Groundwater and Soil	Vapor Sampling		
		14-Day Radiello	Indoor Air Sampling a	t 1419 Dollar Ave		

~ March 2014 ~										
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
2	3	4	5	6	7	8				
	14-Day Radiello I	ndoor Air Sampling	at 1419 Dollar Ave							
14-Day Radiello Indoor Air Sampling at 1421 Dollar Ave										
9	10	11	12	13	14	15				
14-Day Radiello Indoor Air Sampling at 1421 Dollar Ave										
16	17	18	19	20	21	22				
3-Hour Summa Canister Indoor Air Sampling at 1414 Watts St	24-Hour Summa C Sampling at 1419									
1414 Walls Si	Methane Field Screening									
		14-Day Radiello Indoor Air Sampling at 1419 & 1421 Dollar Ave								
23	24	25	26	27	28	29				
14-Day Radiello Indoor Air Sampling at 1419 & 1421 Dollar Ave										
30	31									
14-Day Radiello Indoor Air Sampling at 1419 & 1421 Dollar Ave for any changes in the schedule.										

~ April 2014 ~									
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			
3-Hour Summa Canister Indoor Air Sampling at 1414 Watts St	24-Hour Summa C Sampling at 1419								
J	Methane Field Screening	14	Ve						
20	21	22	23	24	25	26			
	1								
14-Day Radiello Indoor Air Sampling at 1419 & 1421 Dollar Ave									
27282914-Day Radiello Indoor Air Sampling at 1419 & 1421 Dollar Ave		30	Note: Schedule tentative and subject to change. Please check http:// portal.ncdenr.org/web/wm/dsca/bbt_updates regularly for any changes in the schedule.						