



2nd ANNUAL GROUNDWATER MONITORING AND MAINTENANCE REPORT

Hunting Creek Shopping Plaza
1820 Georgia Highway 20 South
Conyers, Rockdale County, Georgia
HSI Site No. 10832

Prepared for Submission to:

**Georgia Environmental Protection Division
Hazardous Waste Management Branch**
Suite 1054, East Tower
2 Martin Luther King Jr. Drive
Atlanta, Georgia 30334

Prepared for:

F.S. Associates, L.P.
c/o Kazmarek Mowrey Cloud & Laseter LLP
One Securities Center
Suite 350
3490 Piedmont Road, NE
Atlanta, Georgia 30305

Prepared by:

Amec Foster Wheeler Environment & Infrastructure, Inc.
2677 Buford Highway
Atlanta, Georgia 30324
(404) 873-4761

January 27, 2015

Amec Foster Wheeler Project No.6121-10-0013

January 27, 2015



Mr. Derrick Williams
Environmental Protection Division
Hazardous Site Response Program
Response and Remediation Unit
Floyd Tower East, Suite 1054
2 Martin Luther King, Jr. Blvd.
Atlanta, Georgia 30334

**Subject: 2nd Annual Groundwater Monitoring Report
Hunting Creek Shopping Plaza
1820 Georgia Highway 20 South
Conyers, Rockdale County, Georgia
HSI Site No. 10832
Amec Foster Wheeler Project No. 6121-10-0013**

Dear Mr. Williams:

On behalf of F.S. Associates, L.P., Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) respectfully submits this Annual Groundwater Monitoring Report for the Hunting Creek Shopping Plaza located at 1820 Georgia Highway 20 South in Conyers, Rockdale County, Georgia. This report addresses the Groundwater Monitoring and Maintenance Plan dated May 30, 2013 approved by the Georgia Department of Natural Resources Environmental Protection Division (EPD) on August 19, 2013.

This report is intended for the use of F.S. Associates, L.P. and for regulatory submittal, subject to the contractual terms agreed to for this project. If you have any questions and/or comments regarding the material presented in this report, please contact Chuck Ferry at (404) 817-0107 or by email at chuck.ferry@amecfw.com.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.

Handwritten signature of Stephen R. Foley in blue ink.

Stephen R. Foley, P.G.
Senior Geologist

Handwritten signature of Charles T. Ferry in blue ink.

Charles T. Ferry, P.E.
Senior Principal Engineer

cc: Mr. Mitchell Worth, F.S. Associates, L.P.
Mr. Scott Laseter, Kazmarek Mowrey Cloud & Laseter LLP

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1.0 PROJECT SUMMARY

The subject property is located at 1820 Georgia Highway 20 South in Conyers, Rockdale County, Georgia, referred to herein as the “site.” The site is developed with a strip shopping center, Hunting Creek Shopping Plaza, and associated parking. Esquire Cleaners was a tenant dry cleaning business which operated on the south end of the building from 1988 to 2005.

The site was the subject of a series of environmental assessments which revealed the presence of volatile organic compounds (VOCs) in soil and groundwater in the area of the former dry cleaner. Results of an initial soil assessment conducted at the subject site in 1997 and follow-up environmental assessments conducted in 2005 were submitted to the Georgia EPD. Based on the data submitted, the Georgia EPD listed the subject site on the Hazardous Site Inventory (HSI) as site number 10832 due to an exceedance of the threshold for the groundwater published under the RQSM.

A Prospective Purchaser Corrective Action Plan (PPCAP) was submitted to EPD in August 2006 on behalf of Rose City Village Affordable Housing LP, Dylan/Bristol, LLC, and Bristol Equities, Inc. This PPCAP was approved by EPD in September 2006. The PPCAP was implemented from August to December 2006. The soil corrective actions implemented at the site consisted of the excavation and off-site disposal of impacted soil and in-situ chemical oxidation treatments of the remaining impacted soil. EPD concurred in previous correspondence that the soil on-site is in compliance with the Type 1 risk reduction standards (RRS).

A Voluntary Remediation Program (VRP) Application was submitted to EPD on behalf of F.S. Associates, L.P. on October 8, 2010. EPD issued a letter accepting the site into the VRP on December 6, 2010. On December 6, 2011, a Compliance Status Report (CSR) was submitted for the site and on January 20, 2012, EPD issued a comment letter regarding the CSR. Amec Foster Wheeler addressed these comments in a response to comments letter, dated May 23, 2012. EPD responded with additional comments in a letter dated January 31, 2013 and, following a meeting on April 17, 2013, requested the submittal of a Groundwater Monitoring and Maintenance Plan (MMP). A Groundwater MMP, dated May 30, 2013, was submitted and later approved by the Georgia EPD on August 19, 2013. As detailed in the approved Groundwater MMP, groundwater monitoring is stipulated on an annual basis in two wells (MW-5 and MW-6) for a period of at least two years (three sampling events) to document the PCE concentrations along the flow path and compare model predictions.

This report serves as the second annual Groundwater Monitoring Report for the subject site.

2.0 FIELD ACTIVITIES

2.1 GROUNDWATER ELEVATION

Groundwater levels were measured in all five existing monitoring wells (MW-1, MW-4, MW-5, MW-6 and MW-7). The data obtained are summarized in Table 1. The groundwater elevations were used to prepare a potentiometric surface map (See Figure 1). The December 2014 water level measurements indicate a general lowering of the water table across the site due to the reduced precipitation experienced during the year as compared to 2013, which was a comparably wet year. However, the groundwater flow across the site was interpreted to be generally toward the southeast, which is consistent with the potentiometric surface map presented in the December 2011 Voluntary Compliance Status Report and the January 2014 First Annual Groundwater Monitoring Report.

2.2 GROUNDWATER MONITORING

The Groundwater MMP stipulates the annual collection of groundwater samples from MW-5 and MW-6. The two monitoring wells were sampled on December 5, 2014.

Prior to sampling, each well was purged using a peristaltic pump to remove stagnant water and allow representative formation water to enter the well. During purging, the water quality parameters of temperature, pH, conductivity and turbidity were measured to assess the effectiveness of the well purge. The wells were purged until the water quality parameters stabilized and sampled immediately following purging. Samples were collected in laboratory supplied containers, packed on ice and maintained under chain-of-custody control from the time they were collected until they were released to the laboratory. The water quality measurements were recorded in the field and are presented in Appendix B.

Following delivery to the laboratory, the groundwater samples were analyzed for acetone, chloroform, tetrachloroethene, trichloroethene, 1,2-dichloroethene and vinyl chloride (SW-846 Test Method 8260B) as specified in the MMP. The results of the monitoring event are summarized on the attached Table 2 and Figure 2, which also include summaries of all previous groundwater testing data obtained on site. Complete laboratory analysis reports can be found in Appendix C.

Groundwater testing results obtained from MW-5 revealed the presence of tetrachloroethene (PCE) and chloroform. The PCE concentration in MW-5 of 490 µg/L was significantly lower

compared to the previous sampling event and was the lowest concentration measured in this well since 2007. Chloroform was detected at 34 µg/L which is slightly higher than the previous event. Trichloroethene, dichloroethene and vinyl chloride were not detected in MW-5.

Both chloroform and PCE were detected at concentrations just above the laboratory reporting limits in monitoring well MW-6 located on the adjacent property to the east. These constituents had previously been below the reporting limit in this well. AMEC Foster Wheeler checked the previous results from this well to see if PCE was present below laboratory reporting limits during the first annual sampling event. The December 2013 results indicated PCE was present at an estimated concentration of 3.1 µg/L. Thus, the identification of PCE just above the detection limit in the second annual event is a nominal increase from the first event. The concentration of PCE in MW-6 is orders of magnitude below the level potentially indicative of risk of exposure to the downgradient lake.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the laboratory analytical results, the concentration of PCE in MW-5 has decreased significantly since the last sampling event conducted in December 2013. The December 2014 water level measurements indicate a general decrease in the water table across the site due to less precipitation in the months preceding the 2014 sampling event compared to the 2013 event.

The current PCE concentration of 490 µg/L in MW-5 remains well below the level of 2,900 µg/L on which the fate and transport model predictions are based. The low concentration of PCE in MW-6 was not predicted by the model. However, based on adjustment of the model to correlate with the 7.4 µg/L of PCE in MW-6, the prediction remains the same; i.e. contaminant migration will not impact the nearest downgradient receptor. As such, the groundwater monitoring program will continue as outlined in the Groundwater MMP and the next annual monitoring event is scheduled for December 2015.

GROUNDWATER SCIENTIST STATEMENT

I certify that I am a qualified groundwater scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared in conjunction with others working my direction.



Mr. Stephen R. Foley, P.G.
Georgia Registration No. 1057



TABLES

HUNTING CREEK SHOPPING CENTER
 1820 GEORGIA HIGHWAY 20 SOUTH
 CONYERS, GEORGIA

TABLE 1 - GROUNDWATER ELEVATION DATA
 DECEMBER 2014

Well ID	Date	Well Elevation, Ft.*	Depth of Well, Ft.	Well Screen Interval, Ft.	Depth to Water, Ft.	Groundwater Elevation, Ft.
MW-1	5/5/2011	845.42	18.5	8-18	12.81	832.61
	2/24/2012				13.50	831.92
	12/12/2013				13.07	832.35
	12/5/2014				13.75	831.67
MW-4	5/5/2011	844.78	17	7-17	12.56	832.22
	2/24/2012				12.85	831.93
	12/12/2013				12.40	832.38
	12/5/2014				13.00	831.78
MW-5	5/5/2011	845.81	16.85	6.85-16.85	13.66	832.15
	2/24/2012				14.15	831.66
	12/12/2013				12.42	833.39
	12/5/2014				13.06	832.75
MW-6	5/5/2011	839.32	20	5-20	12.25	827.07
	2/24/2012				11.59	827.73
	12/12/2013				10.35	828.97
	12/5/2014				12.49	826.83
MW-7	5/5/2011	836.57	12	7-12	11.35	825.22
	2/24/2012				11.57	825.00
	12/12/2013				11.26	825.31
	12/5/2014				11.62	824.95

* Relative to documented geodetic elevations

HUNTING CREEK SHOPPING CENTER
 1820 GEORGIA HIGHWAY 20 SOUTH
 CONYERS, GEORGIA

TABLE 2 - SUMMARY OF GROUNDWATER TESTING RESULTS

Sample ID	Date	VOCs, µg/L					
		Acetone	Chloroform	Tetrachloroethene	Trichloroethene	1,2-Dichloroethene	Vinyl Chloride
MW-5	12/29/2005	<50	6.2	2400	<5.0	<5.0	<2.0
	10/4/2006	140	<5.0	<5.0	<5.0	<5.0	<2.0
	4/24/2007	<50	<5.0	1700	NR	<5.0	<2.0
	7/6/2007	<50	<5.0	870	NR	<5.0	<2.0
	8/1/2007	<50	<5.0	500	NR	<5.0	<2.0
	8/15/2007	<50	12	13	NR	<5.0	<2.0
	9/19/2007	<50	<5.0	270	NR	<5.0	<2.0
	10/17/2007	<50	5.5	1200	NR	<5.0	<2.0
	11/14/2007	<50	<5.0	1300	NR	<5.0	<2.0
	12/13/2007	<50	8.3	1100	NR	<5.0	<2.0
	1/15/2008	<50	6.9	1400	<5.0	<5.0	<2.0
	2/20/2008	<50	<5.0	1500	<5.0	<5.0	<2.0
	3/21/2008	<50	<5.0	2900	<5.0	<5.0	<2.0
	5/19/2008	<50	7	690	<5.0	<5.0	<2.0
	7/28/2008	<50	8	2800	<5.0	<5.0	<2.0
	1/22/2010	<50	9	980	<5.0	<5.0	<2.0
	2/24/2012	<50	11	870	<5.0	<5.0	<2.0
	12/12/2013	<50	29	2500	<5.0	<5.0	<2.0
12/5/2014	<50	34	490	<5.0	<5.0	<2.0	
MW-6	4/7/2011	<50	<5.0	<5.0	<5.0	<5.0	<2.0
	12/12/2013	<50	<5.0	<5.0	<5.0	<5.0	<2.0
	12/5/2014	<50	6.1	7.4	<5.0	<5.0	<2.0

Notes:

Results in µg/L - micrograms per liter

Bold type denotes above laboratory detection limits

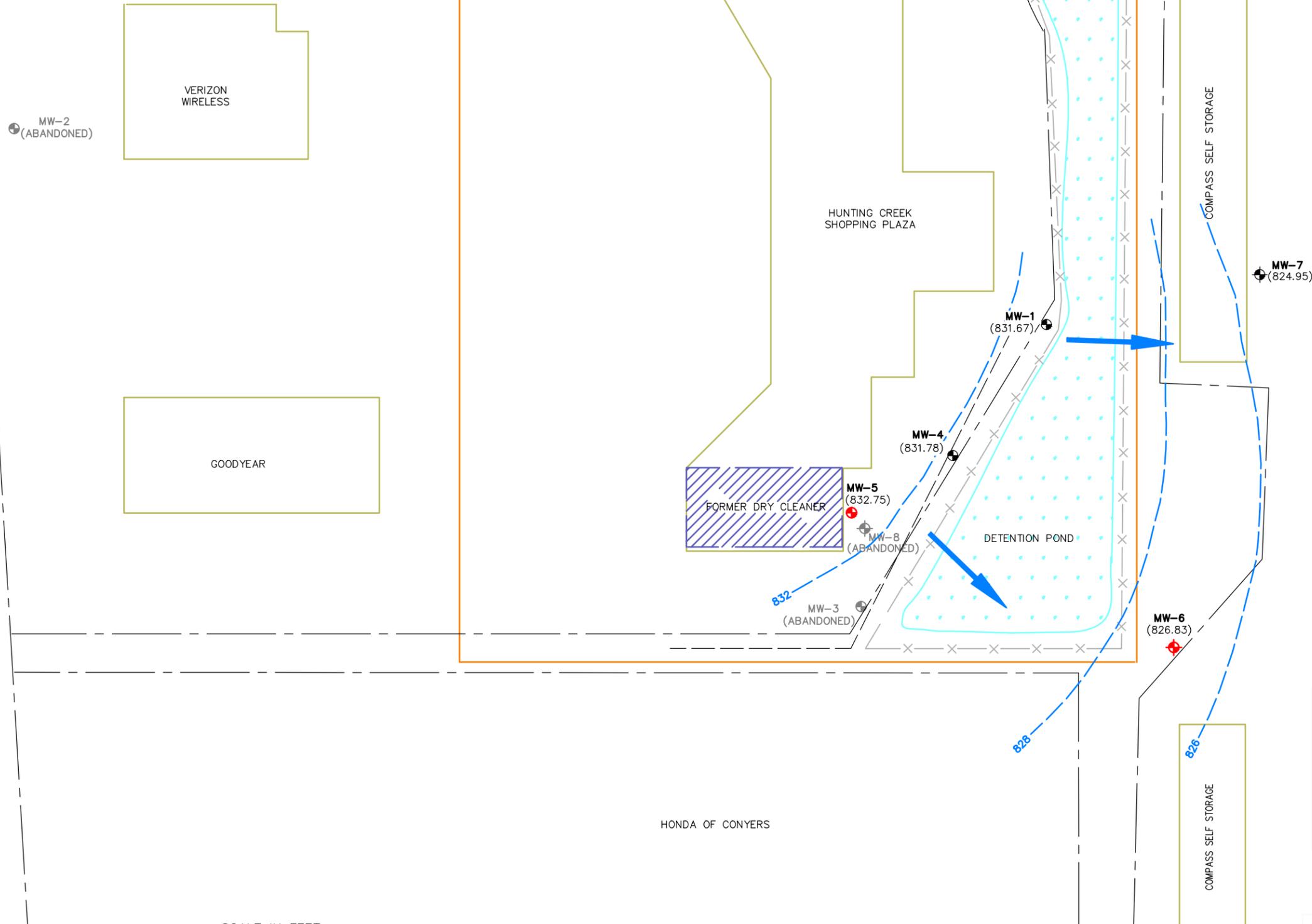
Non-bold type denotes laboratory detection limits

NR - Not Reported

FIGURES

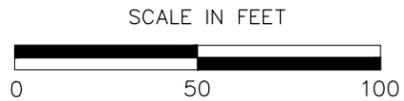


GEORGIA HIGHWAY 20 aka. McDONOUGH HIGHWAY



LEGEND:

- MONITORING WELL LOCATION (PEACHTREE ENVIRONMENTAL)
- MONITORING WELL LOCATION (AMEC)
- MONITORING WELL LOCATION USED FOR ANNUAL SAMPLING
- ABANDONED MONITORING WELL LOCATION
- (832.34) GROUNDWATER ELEVATION IN FEET
- 832 GROUNDWATER CONTOUR
- INTERPRETED GROUNDWATER FLOW DIRECTION



amec
 AMEC Environment & Infrastructure, Inc.
 396 PLASTERS AVENUE, N.E.
 ATLANTA, GEORGIA 30324 (404)873-4761

HUNTING CREEK SHOPPING PLAZA CONYERS, GEORGIA				
Job Number	Task	Date	Scale	Drawn By
6121-10-0019	01	JAN 2015	AS SHOWN	TJB

POTENTIOMETRIC SURFACE MAP FOR DECEMBER 5, 2014		
Reviewed By	Figure	
	1	



MW-1	12/05	4/07	7/07	8/07	8/07	9/07	10/07
ACETONE	<50	<50	<50	78	<50	<50	<50
CHLOROFORM	<5.0	<5.0	6.8	5.4	5.3	<5.0	6.7
PCE	<5.0	10	12	11	11	10	12
TCE	<5.0	<5.0	NR	NR	NR	NR	NR
1,2-DCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

	11/07	12/07	1/08	2/08	3/08	1/10
ACETONE	<50	<50	<50	<50	<50	<50
CHLOROFORM	<5.0	8.4	<5.0	<5.0	<5.0	<5.0
PCE	12	13	13	9.7	9.7	<5.0
TCE	NR	NR	<5.0	<5.0	<5.0	<5.0
1,2-DCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

MW-4	12/05	8/06	4/07	7/07	8/07	8/07	9/07
ACETONE	<50	<50	<50	<50	110	<50	<50
CHLOROFORM	<5.0	<5.0	6.8	<5.0	6.8	<5.0	6.7
PCE	92	5.5	120	110	180	120	170
TCE	<5.0	<5.0	NR	NR	NR	NR	NR
1,2-DCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

	10/07	11/07	12/07	1/08	2/08	3/08	1/10
ACETONE	<50	<50	<50	<50	<50	<50	<50
CHLOROFORM	<5.0	<5.0	5.2	<5.0	<5.0	<5.0	<5.0
PCE	170	160	110	160	150	130	77
TCE	NR	NR	NR	<5.0	<5.0	<5.0	<5.0
1,2-DCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

MW-7	4/11
ACETONE	<50
CHLOROFORM	<5.0
PCE	<5.0
TCE	<5.0
1,2-DCE	<5.0
VC	<2.0

MW-6	4/11	12/13	12/14
ACETONE	<50	<50	<50
CHLOROFORM	<5.0	<5.0	6.1
PCE	<5.0	<5.0	7.4
TCE	<5.0	<5.0	<5.0
1,2-DCE	<5.0	<5.0	<5.0
VC	<2.0	<2.0	<2.0

MW-5	12/05	10/06	4/07	7/07	8/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	5/08	7/08	1/10	2/12	12/13	12/14
ACETONE	<50	140	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
CHLOROFORM	6.2	<5.0	<5.0	<5.0	<5.0	12	<5.0	5.5	<5.0	8.3	6.9	<5.0	7.3	7	8	9	11	29	34
PCE	2,400	<5.0	1,700	870	500	13	270	1,200	1,300	1,100	1,400	1,500	2,900	690	2,800	980	870	2,500	490
TCE	<5.0	<5.0	NR	NR	NR	NR	NR	NR	NR	NR	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-DCE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
VC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

VERIZON WIRELESS

GOODYEAR

FORMER DRY CLEANER

DETENTION POND

HUNTING CREEK SHOPPING PLAZA

COMPASS SELF STORAGE

COMPASS SELF STORAGE

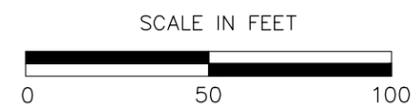
GEORGIA HIGHWAY 20 aka. McDONOUGH HIGHWAY

HONDA OF CONYERS

LEGEND:

- MONITORING WELL LOCATION (PEACHTREE ENVIRONMENTAL)
- ⊕ MONITORING WELL LOCATION (AMEC)
- ⊕ MONITORING WELL LOCATION USED FOR ANNUAL SAMPLING
- ⊖ ABANDONED MONITORING WELL LOCATION
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- 1,2-DCE 1,2-DICHLOROETHENE
- VC VINYL CHLORIDE

RESULTS REPORTED IN MICROGRAMS PER LITER (ug/L)



amec
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HUNTING CREEK SHOPPING PLAZA
 CONYERS, GEORGIA

SUMMARY OF GROUNDWATER TEST RESULTS

Job Number	Task	Date	Scale	Drawn By	Reviewed By	Figure
6121-10-0019	01	JAN 2015	AS SHOWN	TJB		2

APPENDIX A
FIELD DATA SHEETS

WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:

Identify Measuring Point (MP): 70c
(e.g. Top of Casing)

Well ID: MW-6
Field Sampling Personnel: S. FOLEY

Well Depth, (Ft.) 20
Depth To Water (Ft.) 11.8-19
Water Column (Ft.) 8.5-1
Well Volume (gal) 1.39

10 of screen 20 of screen
Top Bottom

Depth to Screen below MP:
Pump Intake at (ft. below MP):
Purging Device (Pump Type):

PERISTALTIC

(e.g. Dedicated pump, peristaltic pump, bailer, bladder pump, etc.)

Date	Time	Depth to Water Below MP ft	Purge Rate mL/min	pH	pH units	Spec Cond. mS/cm	Turbidity NTUs	DO Flow cell mg/L	Temp. °C	Redox Potential mV	Cum. Volume Purged gallons	DO mg/L (low)	Hach Ferrous Iron mg/L	Comments
12/5/14	1045	12.79	400	4.97	0.186	3.05	1.7	3.05	17.11	168	0			
	1050	11.88		5.37	0.181	0.82	3.0	0.82	17.97	77	0.5			
	1055	12.31		5.51	0.182	0.06	3.9	0.06	18.15	76	1			
	1100	12.56		5.61	0.182	0.00	2.0	0.00	18.17	70	1.5			
	1105	12.74	250	5.65	0.182	0.00	2.9	0.00	18.19	68	1.85			
	1110	12.91		5.73	0.180	0.00	1.8	0.00	18.07	98	2.0			
	1115	13.02		5.77	0.179	0.00	1.7	0.00	18.19	95	2-3			
	1120	13.10		5.79	0.178	0.00	0.9	0.00	18.26	94	2.6			
	1125	13.16		5.81	0.177	0.00	1.1	0.00	18.30	92	2.9			
	1130	13.21		5.81	0.168	0.00	0.3	0.00	18.30	53	3.2			
	1135	13.25		5.84	0.161	0.00	0.1	0.00	18.29	55	3.5			
	1140	13.29		5.77	0.159	0.00	0.0	0.00	18.30	60	3.8			
	1145	13.31		5.76	0.158	0.00	0.2	0.00	18.37	60	4.1			
	1150	13.33		5.76	0.156	0.00	0.0	0.00	18.42	64	4.3			
	1155	13.34		5.76	0.156	0.00	0.0	0.00	18.39	65	4.5			
														Sampled @ 1200

Notes:

Note when "Stabilization" has occurred. Stabilization Criteria (achieved after a minimum of three successive readings):

- ±0.1 for pH
- +10 mV for redox
- ±3% for specific cond.
- +10% for DO
- <20 NTUs for turbidity
- NA for temperature

Well Casing Volume (Gal):
2" diameter well: Water column (ft.) x 0.163
4" diameter well: Water column x 0.653

if stabilization does not occur within 2 hours, contact Site Manager for action.

if well goes dry prior to stabilization, stop, allow well to recharge, and collect sample.

APPENDIX B
LABORATORY DATA REPORTS



January 20, 2015

Steve Foley
AMEC E&I, Inc. - Plasters
2677 Buford Highway NE
Atlanta GA 30324

TEL: (404) 873-4761
FAX: (404) 817-0183

RE: Hunting Creek Plaza

Dear Steve Foley:

Order No: 1412596

Analytical Environmental Services, Inc. received 3 samples on 12/5/2014 2:05:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Tara Esbeck
Project Manager

Revision 1/20/2015



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1412594

Date: 12/5/14 Page 1 of 1

COMPANY: Ame C Ex 1		ADDRESS: 2677 Buford Hwy Atlanta, GA 30324			ANALYSIS REQUESTED						Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers		
PHONE: 404-817-0152		FAX:			PRESERVATION (See codes)										
SAMPLED BY: STEPHEN		SIGNATURE: <i>[Signature]</i>									REMARKS				
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED						REMARKS	No # of Containers	
		DATE	TIME				PRESERVATION (See codes)								
1	MW-5	12/5/14	0950	X		GW	X								Z
2	MW-6	12/5/14	1200	X		GW	X								Z
3	TRIP BLANK			X		W	X								Z
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: 12/5/14 1405		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 12/5/14 2:05 p-		PROJECT INFORMATION						RECEIPT	
1:		2:		3:		PROJECT NAME: HUNTING CREEK PLAZA						Total # of Containers: 6			
2:		3:		PROJECT #: 6121-10-0019						Turnaround Time Request					
3:		3:		SITE ADDRESS: CONYERS, GA						<input checked="" type="radio"/> Standard 5 Business Days					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		SEND REPORT TO: STEPHEN FOLEY						<input type="radio"/> 2 Business Day Rush					
		OUT / / VIA:		INVOICE TO:						<input type="radio"/> Next Business Day Rush					
		IN / / VIA:		(IF DIFFERENT FROM ABOVE)						<input type="radio"/> Same Day Rush (auth req.)					
		CLIENT FedEx UPS MAIL COURIER		QUOTE #:						<input type="radio"/> Other					
		GREYHOUND OTHER		PO#:						STATE PROGRAM (if any):					
										E-mail? Y/N; Fax? Y/N					
										DATA PACKAGE: I II III IV					

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 20-Jan-15

Client: AMEC E&I, Inc. - Plasters	Client Sample ID: MW-5
Project Name: Hunting Creek Plaza	Collection Date: 12/5/2014 9:50:00 AM
Lab ID: 1412596-001	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B		(SW5030B)						
Acetone	BRL	50		ug/L	200276	1	12/09/2014 22:10	GC
Chloroform	34	5.0		ug/L	200276	1	12/09/2014 22:10	GC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	200276	1	12/09/2014 22:10	GC
Tetrachloroethene	490	50		ug/L	200276	10	12/11/2014 15:47	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	200276	1	12/09/2014 22:10	GC
Trichloroethene	BRL	5.0		ug/L	200276	1	12/09/2014 22:10	GC
Vinyl chloride	BRL	2.0		ug/L	200276	1	12/09/2014 22:10	GC
Surr: 4-Bromofluorobenzene	76.5	70.6-123		%REC	200276	1	12/09/2014 22:10	GC
Surr: 4-Bromofluorobenzene	84.3	70.6-123		%REC	200276	10	12/11/2014 15:47	GC
Surr: Dibromofluoromethane	96.6	78.7-124		%REC	200276	10	12/11/2014 15:47	GC
Surr: Dibromofluoromethane	108	78.7-124		%REC	200276	1	12/09/2014 22:10	GC
Surr: Toluene-d8	104	81.3-120		%REC	200276	10	12/11/2014 15:47	GC
Surr: Toluene-d8	108	81.3-120		%REC	200276	1	12/09/2014 22:10	GC

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	NC Not confirmed
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 20-Jan-15

Client: AMEC E&I, Inc. - Plasters	Client Sample ID: MW-6
Project Name: Hunting Creek Plaza	Collection Date: 12/5/2014 12:00:00 PM
Lab ID: 1412596-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					(SW5030B)			
Acetone	BRL	50		ug/L	200276	1	12/09/2014 20:43	GC
Chloroform	6.1	5.0		ug/L	200276	1	12/09/2014 20:43	GC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	200276	1	12/09/2014 20:43	GC
Tetrachloroethene	7.4	5.0		ug/L	200276	1	12/09/2014 20:43	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	200276	1	12/09/2014 20:43	GC
Trichloroethene	BRL	5.0		ug/L	200276	1	12/09/2014 20:43	GC
Vinyl chloride	BRL	2.0		ug/L	200276	1	12/09/2014 20:43	GC
Surr: 4-Bromofluorobenzene	81.5	70.6-123		%REC	200276	1	12/09/2014 20:43	GC
Surr: Dibromofluoromethane	105	78.7-124		%REC	200276	1	12/09/2014 20:43	GC
Surr: Toluene-d8	107	81.3-120		%REC	200276	1	12/09/2014 20:43	GC

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	NC Not confirmed
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 20-Jan-15

Client: AMEC E&I, Inc. - Plasters	Client Sample ID: TRIP BLANK
Project Name: Hunting Creek Plaza	Collection Date: 12/5/2014
Lab ID: 1412596-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					(SW5030B)			
Acetone	BRL	50		ug/L	200276	1	12/11/2014 14:21	GC
Chloroform	BRL	5.0		ug/L	200276	1	12/11/2014 14:21	GC
cis-1,2-Dichloroethene	BRL	5.0		ug/L	200276	1	12/11/2014 14:21	GC
Tetrachloroethene	BRL	5.0		ug/L	200276	1	12/11/2014 14:21	GC
trans-1,2-Dichloroethene	BRL	5.0		ug/L	200276	1	12/11/2014 14:21	GC
Trichloroethene	BRL	5.0		ug/L	200276	1	12/11/2014 14:21	GC
Vinyl chloride	BRL	2.0		ug/L	200276	1	12/11/2014 14:21	GC
Surr: 4-Bromofluorobenzene	86.4	70.6-123		%REC	200276	1	12/11/2014 14:21	GC
Surr: Dibromofluoromethane	97.4	78.7-124		%REC	200276	1	12/11/2014 14:21	GC
Surr: Toluene-d8	106	81.3-120		%REC	200276	1	12/11/2014 14:21	GC

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
	BRL Below reporting limit	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr See case narrative
	N Analyte not NELAC certified	NC Not confirmed
	B Analyte detected in the associated method blank	< Less than Result value
	> Greater than Result value	J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AMEC Work Order Number 1412596

Checklist completed by [Signature] Date 12/5/14
Signature Date

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes No

Cooler #1 31 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Sample Condition: Good Adjusted? _____ Other(Explain) _____ Checked by _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: AMEC E&I, Inc. - Plasters
Project Name: Hunting Creek Plaza
Workorder: 1412596

ANALYTICAL QC SUMMARY REPORT

BatchID: 200276

Sample ID: MB-200276	Client ID:	Units: ug/L	Prep Date: 12/09/2014	Run No: 281552							
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 200276	Analysis Date: 12/09/2014	Seq No: 5960230							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetone	BRL	50									
Chloroform	BRL	5.0									
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	41.48	0	50.00		83.0	70.6	123				
Surr: Dibromofluoromethane	53.92	0	50.00		108	78.7	124				
Surr: Toluene-d8	54.33	0	50.00		109	81.3	120				

Sample ID: LCS-200276	Client ID:	Units: ug/L	Prep Date: 12/09/2014	Run No: 281552							
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 200276	Analysis Date: 12/09/2014	Seq No: 5960229							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Trichloroethene	42.38	5.0	50.00		84.8	70.5	134				
Surr: 4-Bromofluorobenzene	42.48	0	50.00		85.0	70.6	123				
Surr: Dibromofluoromethane	51.32	0	50.00		103	78.7	124				
Surr: Toluene-d8	52.47	0	50.00		105	81.3	120				

Sample ID: 1412596-002AMS	Client ID: MW-6	Units: ug/L	Prep Date: 12/09/2014	Run No: 281552							
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 200276	Analysis Date: 12/09/2014	Seq No: 5960234							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Trichloroethene	53.69	5.0	50.00		107	71.8	139				
Surr: 4-Bromofluorobenzene	39.60	0	50.00		79.2	70.6	123				
Surr: Dibromofluoromethane	50.51	0	50.00		101	78.7	124				
Surr: Toluene-d8	54.00	0	50.00		108	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: AMEC E&I, Inc. - Plasters
Project Name: Hunting Creek Plaza
Workorder: 1412596

ANALYTICAL QC SUMMARY REPORT

BatchID: 200276

Sample ID: 1412596-002AMSD	Client ID: MW-6	Units: ug/L	Prep Date: 12/09/2014	Run No: 281552
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 200276	Analysis Date: 12/09/2014	Seq No: 5960235

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Trichloroethene	52.09	5.0	50.00		104	71.8	139	53.69	3.03	20	
Surr: 4-Bromofluorobenzene	38.88	0	50.00		77.8	70.6	123	39.60	0	0	
Surr: Dibromofluoromethane	52.98	0	50.00		106	78.7	124	50.51	0	0	
Surr: Toluene-d8	54.63	0	50.00		109	81.3	120	54.00	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		