3715 Northside Parkway, N.W.
Building 300, Suite 400
Atlanta, Georgia 30327
tel: 404-720-1400
fax: 404-467-4130

June 1, 2012

Mr. Greg Gilmore
Response and Remediation Program
2 Martin Luther King, Jr. Drive SE
Suite 1462 East
Atlanta, Georgia 30334

Subject: June 2012 Semi-Annual Voluntary Remediation Program Progress Report
Former Manchester Tank Company (HSI No. 10765)
Cedartown, Polk County, Georgia

Dear Mr. Gilmore:

This Progress Report documents the activities completed for the Former Manchester Tank Company (Manchester Tank) site in Cedartown, Georgia between December 2011 and May 2012. This reporting schedule follows that prescribed by the Georgia Environmental Protection Division (EPD) in a letter dated June 4, 2010.

As discussed in a meeting at your offices on March 28, 2012, the primary responsible party for this site is being changed from Trinity Industries, Inc. (Trinity) to Textron Inc. (Textron). An updated Voluntary Remediation Program (VRP) application is included in **Attachment A** along with the updated financial assurance documentation that has been filed with EPD.

The remainder of this progress report includes the following:

- Work Performed This Period;
- Site Investigation Summary;
- Current Site Conceptual Model;
- Work Anticipated for the Next Period;
- Updated Schedule; and
- Professional Certification.

Work Performed This Period

The following work was performed from December 2011 through May 2012.

- A meeting was held with representatives from EPD on March 28, 2012 to discuss changing the VRP applicant from Trinity to Textron.
- An "Easement and Right to Implement an Environmental Covenant" was granted by Trinity to Textron and was filed with the Polk County Clerk of Superior Court on April 2, 2012.
- CDM Smith Inc. (CDM Smith) and Textron initiated work on obtaining access to the Missouri Machine and Plow (Missouri M&P) site adjacent to the Manchester Tank site on April 10, 2012. An access agreement was executed on May 8, 2012.
- Additional site investigation activities on both the Manchester Tank and Missouri M&P sites were conducted by CDM Smith during the week of May 14, 2012. The investigation activities included the following:
    - Assessing monitoring well integrity;
    - Measuring water levels at all wells across both sites;
    - Establishing two surface water gauging points on Cedar Creek;
    - Sampling wells MW-4 and MW-5 on the Missouri M&P site for volatile organic compounds (VOCs) to establish baseline conditions on the property boundary; and
    - Performing a geophysical survey to delineate potential preferential groundwater flow paths in bedrock. This survey consisted of a very low frequency (VLF) electromagnetic survey using a Wadi VLF instrument.

Site Investigation Summary

CDM Smith completed an inventory of existing monitoring wells on the Manchester Tank and Missouri M&P sites. The inventory results are summarized in **Table 1**, and the well locations are shown on **Figure 1**. CDM Smith has altered the well code nomenclature to minimize the potential for confusion that could result from monitoring wells having the same codes. In addition, a more consistent nomenclature has been developed for specific hydrogeologic zones. The residuum wells are now referred to as "A" wells, wells completed in shallow rock at the

water table surface are referred to as "B" wells, and wells completed into competent bedrock are referred to as "C" wells. The typical "C" well depth is approximately 75 feet.

The Manchester Tank site includes 10 residuum wells and 11 shallow rock wells with an average depth of 25 feet. The shallow rock wells are wells completed near the top of the water table and are generally in locations where the depth to groundwater is greater than the depth to rock. An additional five residuum monitoring wells are located on the Missouri M&P site. Representatives of Missouri M&P disclosed that the previous investigations on their site found many locations where the rock surface was above the water table surface. Bedrock wells are limited to the Manchester Tank site and eight wells currently exist, each with total depths of approximately 75 feet.

CDM Smith also established two surface water gauging stations on Cedar Creek that will be surveyed and used to evaluate groundwater flow in the future. The staff gauge locations are also shown on Figure 1.

As shown in Table 1, water level gauging was performed from the monitoring wells on both sites, and potentiometric surface maps have been prepared for the water table wells (**Figure 2**) and the bedrock wells (**Figure 3**). The apparent groundwater flow direction is consistent with previous mapping with the water table and bedrock directions of flow being north-northeast.

CDM Smith also collected groundwater samples from two water table wells on the Missouri M&P site, MW-28A and MW-29A (formerly MW-4 and -5, respectively), to provide updated data near the property boundary. The associated laboratory report is provided in **Attachment B**. The trichloroethene (TCE) concentrations were found to be slightly higher but consistent with previous results that date back to February of 2010. MW-28A contained 550 ug/L TCE compared to the historical concentration of 380 ug/L and MW-29A contained 310 ug/L compared with the previous concentration of 290 ug/L.

The VLF electromagnetic geophysical survey was completed on both sites in an attempt to identify potential preferential groundwater flow paths leading from the Manchester Tank site across the Missouri M&P site. The survey data generally indicate a very high degree of cultural interference, presumably from power lines and subsurface utilities, and metal objects on the surface. However, of the data not suspected of being effected by cultural "noise," the data do indicate that inclined fractures possibly exist in the bedrock. The results are currently being further evaluated.

Current Site Conceptual Model

CDM Smith has developed a preliminary site conceptual model (SCM) that will be refined as additional data become available. The current SCM assumes that the source of VOCs is the former disposal pit located on the Manchester Tank site. VOCs from this point of release have migrated into the water table and bedrock groundwater near this source area at elevated concentrations. The depth to groundwater is approximately 10 feet, and at many locations, bedrock is encountered prior to encountering groundwater. As a result, it is probable that most of the VOC migration occurs in the bedrock, although VOC detections do occur downgradient in the residuum.

Groundwater and VOC migration in bedrock is most likely associated with some degree of fracture flow. However, the currently available drilling logs do not indicate fracture systems at all well locations nor do they indicate permeable strata in the bedrock. However, assuming the VOC source on the Manchester Tank site and the concentrations reported downgradient at MW-29A, a preferential flow path likely exists. The future investigations to further delineate the VOC extents should assess the groundwater migration characteristics that are responsible for the groundwater plume configuration. CDM Smith currently assumes that groundwater from the site ultimately discharges to Cedar Creek. However, it is not yet known whether the VOCs in groundwater attenuate during the migration or potentially discharge at detectable concentrations into Cedar Creek.

Work Anticipated for the Next Period

Offsite Groundwater Delineation

The primary objective of this task will be to delineate VOCs in groundwater across the Missouri M&P site in residuum and bedrock groundwater. Investigation beyond the Missouri M&P site will also be performed under this task. However, the details of the offsite investigation beyond the Missouri M&P site will be refined following data collection on the Missouri M&P site.

The investigation on the Missouri M&P site will include an estimated six shallow groundwater monitoring wells that will be completed in the residuum and/or shallow bedrock (**Figure 4**), as necessary to penetrate the water table. These wells will be 1-inch diameter PVC wells installed using Geoprobe equipment constructed to the depth of bedrock, estimated to average approximately 15 to 20 feet below surface. If groundwater is not encountered in the residuum, a water table well will be installed into rock using air-hammer drilling techniques and completed as a 2-inch diameter well. Conventional monitoring well construction techniques and materials will be used.

Bedrock groundwater monitoring wells will also be installed using air-hammer drilling techniques with 6-inch diameter casing installed into competent bedrock to an estimated depth

of 25 feet. Three-inch diameter bore holes will then be extended to a total depth of approximately 40 feet and the wells completed as open bore wells. CDM Smith recommends this approach because these wells can be deepened in the future should EPD require additional vertical delineation.

Following the installation of the new offsite wells, a comprehensive round of water levels and groundwater samples will be collected for VOC analyses. CDM Smith anticipates that a total of 51 wells, including wells on both the Manchester Tank and Missouri M&P sites, will be sampled.

The proposed wells along the Missouri M&P site eastern boundary will be installed and sampled first during the investigation. Based on these data, the offsite groundwater investigation will be extended east of the Missouri M&P site. CDM Smith currently plans to use Geoprobe and temporary wells to screen for VOCs in groundwater within the general area shown on Figure 4. The purpose of this work will be to assess whether offsite issues such as potential vapor intrusion and/or discharge to Cedar Creek should be evaluated. Based on the results of the Geoprobe and temporary well data, permanent monitoring wells and/or characterization of Cedar Creek may be required.

Vertical VOC delineation in Bedrock Groundwater

CDM Smith will install a vertical exploration boring immediately downgradient of the source area to delineate the vertical extent of VOCs in bedrock groundwater. Completion of this well will require 5 steps:

1. Install 10-inch diameter steel surface casing into bedrock at a depth of approximately 15 feet.

2. Install 6-inch diameter steel protective casing to a depth of 125 feet.

3. Complete rock coring with groundwater sampling using packers and onsite VOC screening to estimate the vertical extent of VOCs (assumed depth of 175 feet with 5 packer samples).

4. Ream the core hole to the depth of permanent well installation (assumed depth of 175 feet).

5. Complete as a 2-inch diameter PVC monitoring well (assumed depth of 175 feet).

6. Sample permanent monitoring well for laboratory analyses.

Metals Delineation in Onsite Soil

CDM Smith will obtain existing data from surrounding sites where background metals concentrations have been established and will use these data to support the development of background metals concentrations for the site. This approach was recommended by EPD. If additional sampling beyond what was done previously is required to delineate metals concentrations in soil on site, a proposed add-on to the approach will be developed.

Receptor Survey

CDM Smith will complete an initial receptor survey for the site vicinity. This will include the following:

1. Verify the previously conducted water use survey.
2. Evaluate the security and accessibility of the Manchester Tank and Missouri M&P sites.
3. Document the usage of surrounding structures and facilities.
4. Identify potentially sensitive receptors.
5. Evaluate the structures on the Manchester Tank and Missouri M&P sites for vapor intrusion potential.
6. Evaluate adjacent offsite structures/residences for vapor intrusion potential. CDM Smith will not contact occupants or attempt to enter offsite properties but will observe typical construction features.
7. Perform a "windshield reconnaissance" in the residential area for potential groundwater wells.
8. Obtain water supply/distribution data from the local water authority.
9. Attempt to determine the status of the "Zartic" supply well.

Onsite Groundwater Delineation

At the request of EPD, two bedrock groundwater monitoring wells will be installed west of MW-7C (formerly MW-7D) to delineate the VOC extent in this direction. These wells will be installed adjacent to the west property boundary. These wells will consist of installing 6-inch diameter steel surface casing to a 25-foot depth followed by drilling a borehole to a total depth of 75 feet for completion as 2-inch diameter monitoring wells.

Updated Schedule

An updated project schedule is shown in **Figure 5**. Due to the unknowns regarding what will be found through additional characterization and what the recommended remediation strategy will be, the project schedule covers only the next six months. A schedule for remediation activities is planned for submittal with the next semi-annual status report and/or Remedial Action Plan. However, the findings of the upcoming investigations may require that work be performed that is not currently identified and modifications may be required for the schedule.

Professional Certification

Attachment C contains the professional certification and summary of incurred professional engineer and geologist hours for the period from December 1, 2012 and May 19, 2012.

If you have any questions regarding this Progress Report, please do not hesitate to contact me at (404) 720-1400.

Sincerely,

Andrew Romanek

Andrew P. Romanek, P.E., BCEE
Associate
CDM Smith Inc.

Attachments

cc: Jamie Schiff, Textron

Table

Table 1: Monitoring Well Inventory

June 2012 Status Report

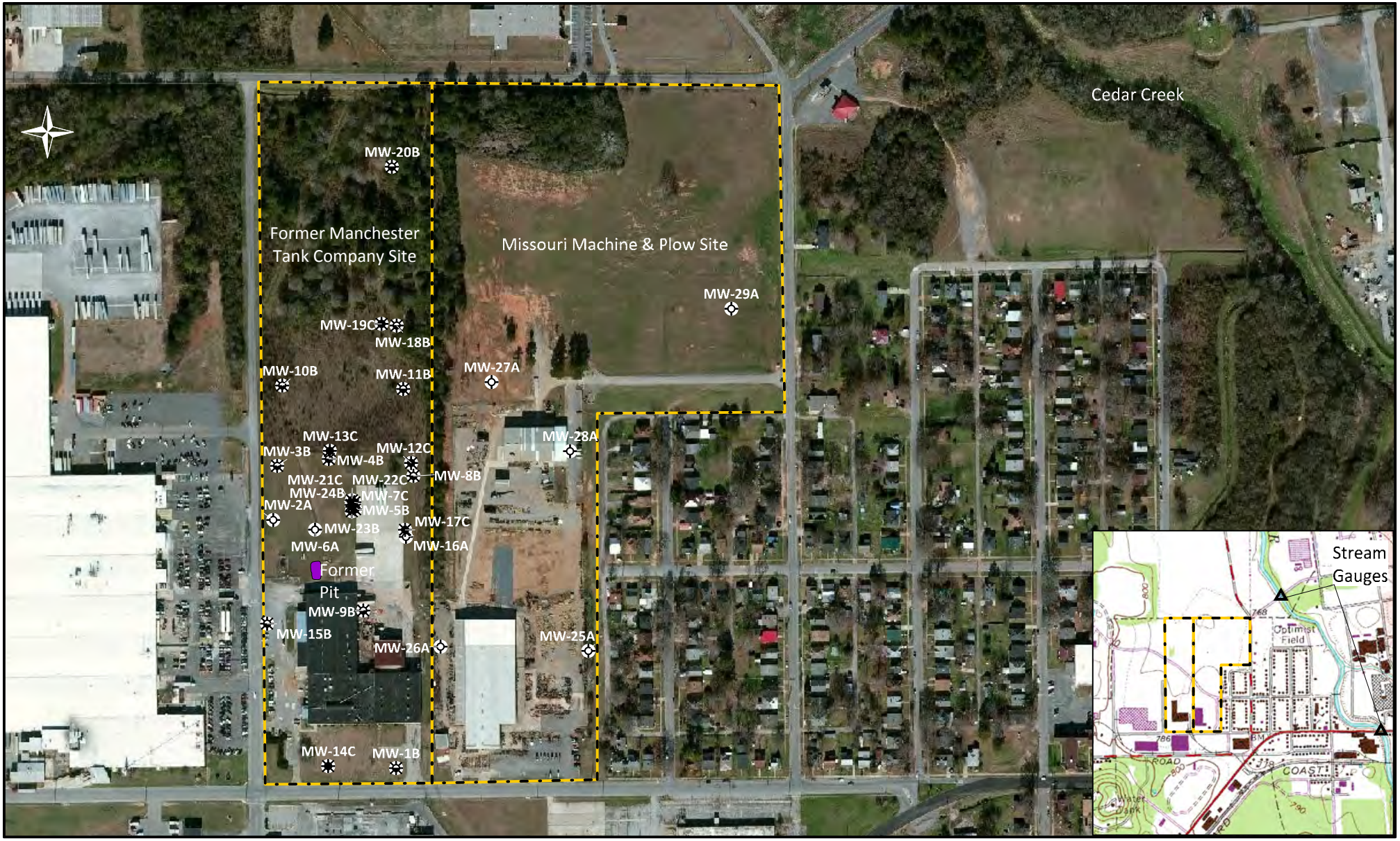
Former Manchester Tank Company Site
(HSI #10765)
Cedartown, Polk County, Georgia

New Code	Alias Code	Installed By	Date	Site Location	Well Type	Type Code	Elev.	Well Dia.	Surface Casing		Open Interval		DTW	TD	Remarks
									Dia.	Depth	From	To			
MW-1B	MW-1	B&C	2/16/2010	Missouri M&P	Residuum Well	A	784.42	2"	NA	NA	8	20	16.42	20.22	
MW-2A	MW-2	B&C	2/17/2010	Missouri M&P	Residuum Well	A	781.25	2"	NA	NA	2	13	11.98	12.19	
MW-3B	MW-3	B&C	2/17/2010	Missouri M&P	Residuum Well	A	778.88	2"	NA	NA	3	15	14.50	15.03	
MW-4B	MW-4	B&C	2/18/2010	Missouri M&P	Residuum Well	A	779.82	2"	NA	NA	10	22	15.79	21.34	
MW-5B	MW-5	B&C	2/18/2010	Missouri M&P	Residuum Well	A	767.07	2"	NA	NA	4	16	9.04	16.25	
MW-6A	MW-6	G&A	8/22/2006	Manchester Tank	Residuum Well	A	776.63	2"	NA	NA	8	20	9.68	22.43	
MW-7C	MW-7D	G&A	5/28/2007	Manchester Tank	Bedrock Well	C	776.67	2"	4"	10.5'	68	73.5	10.71	74.20	Screen set in open-rock bore
MW-8B	MW-8	G&A	5/22/2007	Manchester Tank	Shallow Rock Well	B	776.02	2"	NA	NA	8.5	20	9.33	19.44	
MW-9B	MW-9	G&A	5/22/2007	Manchester Tank	Shallow Rock Well	B	778.73	2"	NA	NA	16	28.5	7.36	28.12	Screen set in open-rock bore
MW-10B	MW-10	G&A	5/23/2007	Manchester Tank	Shallow Rock Well	B	774.08	2"	NA	NA	4	23.5	10.00	23.88	
MW-11B	MW-11	G&A	5/24/2007	Manchester Tank	Shallow Rock Well	B	775.45	2"	NA	NA	23.5	33	11.08	33.39	Screen set in open-rock bore
MW-12C	MW-12D	G&A	4/18/2008	Manchester Tank	Bedrock Well	C	775.93	2"	4"	50'	69	75	9.26	75.31	Screen set in open-rock bore
MW-13C	MW-13D	G&A	4/18/2008	Manchester Tank	Bedrock Well	C	775.16	2"	4"	50'	69	75	8.51	75.36	Screen set in open-rock bore
MW-14C	MW-14D	G&A	2/24/2011	Manchester Tank	Bedrock Well	C	783.66	2"	4"	50'	67	75	11.83	75.47	No screen, diffuser 70'-75'
MW-15B	IP/EP-15	G&A	2/23/2011	Manchester Tank	Shallow Rock Well	B	783.39	2"	NA	NA	8	25	10.23	25.20	
MW-16A	IP/EP-16	G&A	2/23/2011	Manchester Tank	Residuum Well	A	776.92	2"	NA	NA	8	15	10.04	14.86	Residuum Injection Well
MW-17C	IP/EP-17D	G&A	2/24/2011	Manchester Tank	Bedrock Well	C	776.92	2"	4"	50'	67	75	61.35	72.00	No screen, diffuser 70'-75'
MW-18B	MW-18	G&A	2/23/2011	Manchester Tank	Shallow Rock Well	B	772.92	2"	NA	NA	6	18	10.16	18.19	
MW-19C	MW-19D	G&A	4/28/2011	Manchester Tank	Bedrock Well	C	773.40	2"	4"	50'	72	80	10.89	79.51	No screen, diffuser 75'-80'
MW-20B	MW-20	G&A	2/23/2011	Manchester Tank	Shallow Rock Well	B	769.20	2"	NA	NA	6	18	9.97	19.18	
MW-21C	DIP-1	G&A		Manchester Tank	Bedrock Well	C	777.13	1"	Unk.	Unk.	Unk.	Unk.	10.74	71.99	Deep Injection Point
MW-22C	DIP-2	G&A		Manchester Tank	Bedrock Well	C	776.78	1"	Unk.	Unk.	Unk.	Unk.	10.24	75.52	Deep Injection Point
MW-23B	SIP-1	G&A		Manchester Tank	Shallow Rock Well	B	777.04	1"	Unk.	Unk.	Unk.	Unk.	9.59	19.45	Shallow Injection Point
MW-24B	SIP-2	G&A		Manchester Tank	Shallow Rock Well	B	776.87	1"	Unk.	Unk.	Unk.	Unk.	10.06	18.87	Shallow Injection Point
MW-25A	MW-1	G&A	8/21/2006	Manchester Tank	Shallow Rock Well	B	782.26	2"	NA	NA	8	20	10.24	20.35	
MW-26A	MW-2	G&A	8/22/2006	Manchester Tank	Residuum Well	A	778.32	2"	NA	NA	8	20	10.94	21.84	
MW-27A	MW-3	G&A	8/23/2006	Manchester Tank	Shallow Rock Well	B	775.43	2"	NA	NA	8	20	8.46	20.37	
MW-28A	MW-4	G&A	8/23/2006	Manchester Tank	Shallow Rock Well	B	775.00	2"	NA	NA	8	20	8.91	20.60	
MW-29A	MW-5	G&A	8/23/2006	Manchester Tank	Shallow Rock Well	B	776.66	2"	NA	NA	8	20	9.93	20.41	

Elev. - Top of casing elevation in feet.
DTW - Depth to water in feet.
TD - Total depth in feet.
NA - Not applicable

B&C - Brown & Caldwell
G&A - Gallett & Associates
Unk. - Unknown

Figures



Residuum Well (A)
Shallow Rock Well (B)
Bedrock Well (C)

Scale in Feet

0 400 800 1200 1600

CDM Smith

WATER + ENVIRONMENT + TRANSPORTATION + ENERGY + FACILITIES

Figure 1: Site Plan

June 2012 Status Report

Former Manchester Tank Company Site
(HSI #10765)
Cedartown, Polk County, Georgia

Posted concentrations are most recent in ug/L.

Residuum Well

Shallow Rock Well

Scale in Feet

0 250 500

Figure 2: Water Table Surface Map

June 2012 Status Report

Former Manchester Tank Company Site

(HSI #10765)

Cedartown, Polk County, Georgia

CDM Smith

WATER + ENVIRONMENT + TRANSPORTATION + ENERGY + FACILITIES

Posted concentrations are most recent in ug/L.

Figure 3: Bedrock Potentiometric Surface Map

June 2012 Status Report

Former Manchester Tank Company Site

(HSI #10765)

Cedartown, Polk County, Georgia

Bedrock Well

Scale in Feet

0 250 500

CDM Smith

WATER + ENVIRONMENT + TRANSPORTATION + ENERGY + FACILITIES

CDM Smith

WATER + ENVIRONMENT + TRANSPORTATION + ENERGY + FACILITIES

Figure 4: Proposed Investigation Locations

June 2012 Status Report

Former Manchester Tank Company Site
(HSI #10765)
Cedartown, Polk County, Georgia

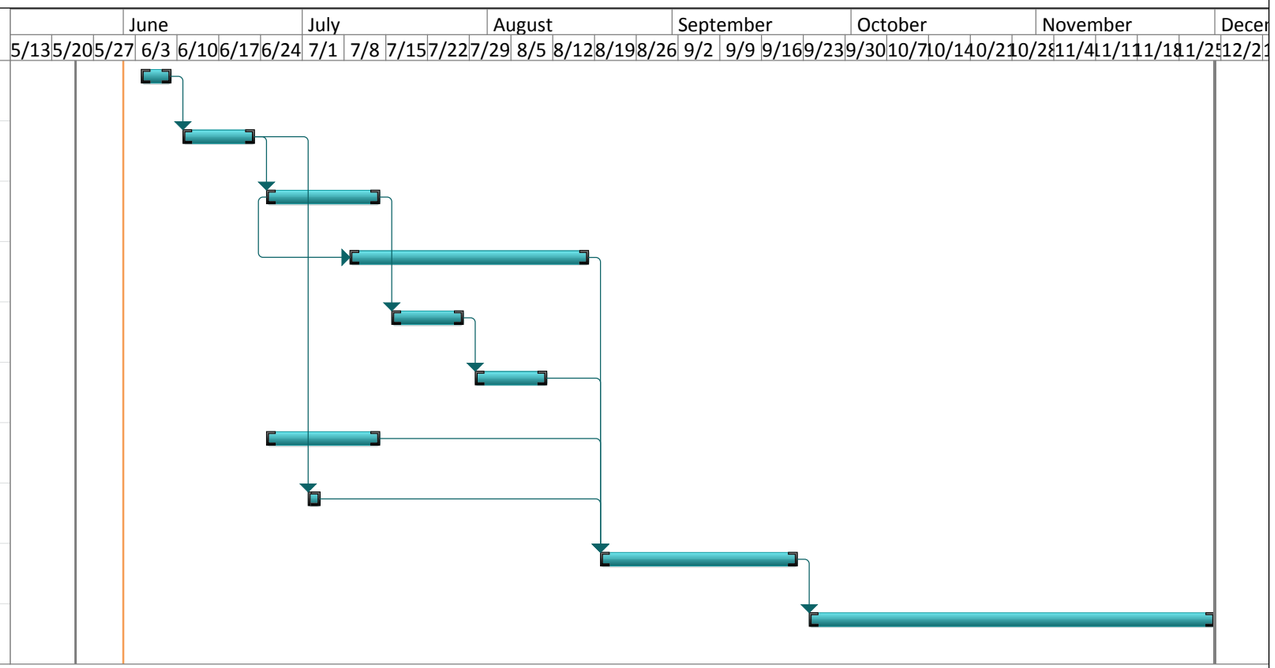
Figure 5

Estimated Schedule - June 2012 through November 2012

Former Manchester Tank Company Site

Cedartown, GA

ID	Task Name	Duration	Start	Finish	Predecessors
1	Finalize Plan for Additional Characterization	5 days	Mon 6/4/12	Fri 6/8/12	
2	Preparation, Subcontracting, and Mobilization	10 days	Mon 6/11/12	Fri 6/22/12	1
3	Additional Monitoring Well Installation	15 days	Mon 6/25/12	Fri 7/13/12	2
4	Offsite Investigation East of Missouri M&P	30 days	Mon 7/9/12	Fri 8/17/12	3SS+10 days
5	Water Levels and Groundwater Sampling	10 days	Mon 7/16/12	Fri 7/27/12	3
6	Laboratory Analyses	10 days	Mon 7/30/12	Fri 8/10/12	5
7	Evaluation of Background Metals Concentrations	15 days	Mon 6/25/12	Fri 7/13/12	
8	Receptor Survey	2 days	Mon 7/2/12	Tue 7/3/12	2FS+5 days
9	Summary Report Preparation	25 days	Mon 8/20/12	Fri 9/21/12	4,6,7,8
10	Remedial Action Plan Preparation	50 days	Mon 9/24/12	Fri 11/30/12	9



Attachment A
VRP Application and Financial Assurance

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION

COMPANY NAME	Textron Inc.				
CONTACT PERSON/TITLE	Jamie Schiff				
ADDRESS	40 Westminster Street, Providence, RI 02903				
PHONE	(401) 457-2422	**FAX**	(401) 457-6028	**E-MAIL**	jschiff@textron.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP

NAME	Andrew Romanek	**GA PE/PG NUMBER**	PE029287
COMPANY	CDM Smith Inc.		
ADDRESS	3715 Northside Parkway NW, Building 300, Suite 400, Atlanta, GA 30327		

PHONE	(404) 720-1400	**FAX**	(404) 467-4130	**E-MAIL**	romanekap@cdmsmith.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)		**DATE**	

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)			
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number		Date HSI Site listed	
HSI Facility Name		NAICS CODE	
PROPERTY INFORMATION			
TAX PARCEL ID	024-014	PROPERTY SIZE (ACRES)	23
PROPERTY ADDRESS	811 West Avenue		
CITY	Cedartown	COUNTY	Polk
STATE	GA	ZIPCODE	30125
LATITUDE (decimal format)	34.012272 N	LONGITUDE (decimal format)	85.277758 W
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Trinity Industries, Inc.	PHONE #	(214) 589-8409
MAILING ADDRESS	2525 Stemmons Freeway		
CITY	Dallas	STATE/ZIPCODE	TX 75207

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	**Items 1 through 5 were previously provided in the VRP Application dated April 22, 2010. The purpose of this application is to change the VRP applicant name and Georgia licensed PE / PG**	
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.		
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).		
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).		
5.	The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a **PROJECTED MILESTONE SCHEDULE** for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan during the preceding period. A Gantt chart format is preferred for the		

	milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:		
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;		
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;		
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and		
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.		
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." _____ _____ Printed Name and GA PE/PG Number Date _____ Signature and Stamp		

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

TEXTRON

Textron Inc.
40 Westminster St.
Providence, RI 02903

Tel: (401) 421-2800

May 30, 2012

David Brownlee
Acting Program Manager
Georgia Department of Natural Resources
Environmental Protection Division – Land Protection Branch
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East
Atlanta, Georgia 30334-9000

RE: Manchester Tank Company, HIS No. 10765
811 West Avenue, Cedartown, Polk County Georgia
Tax Parcel 024-014

Dear Mr. Brownlee;

I am the chief financial officer of Textron Inc., 40 Westminster Street, Providence, Rhode Island 02903. This letter is in support of this firm's use of the financial test to demonstrate financial assurance for closure and/or post-closure costs, as specified in subpart H of 40 CFR parts 264 and 265.

The firm identified above is demonstrating financial responsibility for the following facility through the financial test specified in Subpart H of 40 CFR Part 264 and 265 concerning the **Manchester Tank Company, HIS No. 10765, 811 West Avenue, Cedartown, Polk County Georgia. Cost Estimate: $600,000.00.**

1. This firm is the owner or operator of the following facilities for which financial assurance for closure and/or post-closure care is demonstrated through the financial test specified in Subpart H of 40 CFR Parts 264 and 265. The current closure and/or post-closure estimates covered by the test are shown for each facility: **See Exhibit A**

2. This firm guarantees, through the corporate guarantee specified in Subpart H of 40 CFR Parts 264 and 265, the closure and/or post-closure care of the following facilities owned or operated by the guaranteed party. The current cost estimates for the closure and/or post-closure care so guaranteed are shown for each facility: **See note on Exhibit A and B.** The firm identified above is the direct or higher-tier parent corporation of the owner or operator.

3. In states where EPA is not administering the financial requirements of Subpart H of 40 CFR Parts 264 and 265, this firm, as owner or operator or guarantor, is demonstrating financial assurance for the closure or post-closure care of the following facilities through the use of a test equivalent or substantially equivalent to the financial test specified in Subpart H of 40 CFR Parts 264 and 265. The current closure and/or post-closure cost estimates covered by such a test or guarantee are shown for each facility: **See Exhibit B**

4. This firm is the owner or operator of the following hazardous waste management facilities for which financial assurance for closure, or if a disposal facility, post-closure care, is not demonstrated either to EPA or a State through the financial test or any other financial assurance mechanism specified in Subpart H of 40 CFR Parts 264 and 265, or equivalent or substantially equivalent State mechanisms. The current closure and/or post-closure cost estimates not covered by such financial assurance are shown for each facility: **None**

5. This firm is the owner or operator of the following UIC facilities for which financial assurance for plugging and abandonment is required under Part 144. The current closure cost estimates as required by 40 CFR 144.62 are shown for each facility: **None**

The firm is required to file a Form 10K with the Securities and Exchange Commission (SEC) for the latest fiscal year.

The fiscal year of this firm ends on the Saturday nearest to the thirty-first day of December in each year, whether such Saturday falls in December or in January. The figures for the following items marked with an asterisk are derived from this firm's independently audited, year-end financial statements for the latest completed fiscal year, ended December 31, 2011.

ALTERNATIVE II

1.	Sum of current closure and post-closure estimates (total of all cost estimates shown in the five numbered paragraphs above.)	$ 27,522,191
2.	Current bond rating of most recent issuance and name of rating service	BBB-; Standard & Poor's
3.	Date of issuance of bond	September 21, 2011
4.	Date of maturity of bond	September 21, 2016
*5.	Tangible net worth (if any portion of closure or post-closure cost estimates is included in "total liabilities" on your financial statements you may add that portion to this line)	$ 833,000,000
*6.	Total assets in the U.S. (required only if less than 90% of assets are located in the U.S.)	$11,707,000,000
7.	Is Line 5 at least $10 million?	Yes
8.	Is Line 5 at least 6 times Line 1?	Yes
*9.	Are at least 90% of assets located in the U.S.? If not, complete line 10.	No
10.	Is Line 6 at least 6 times Line 1?	Yes

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR Part 264.151(f) as such regulations were constituted on the date shown immediately below.

TEXTRON INC.

Signature: 

Name: Frank Connor
Title: Executive Vice President and Chief Financial Officer
Date: May 30, 2012

Exhibit A

Site Name	Location	EPA #	Closure Costs	Post-closure Costs	Corrective Action Costs
*Avco Lycoming	652 Oliver Street Williamsport, PA 17701	PAD003053709		$5,167,741	
Townsend Saw Chain	594 Spears Creek Road Pontiac, SC 29045	SCD069326171		$1,640,000	
*Airport Rd Subsite of the Obee Road Superfund Site, East 4th Street Facility Site, and Farmland Obee Road Site	4th Avenue and Airport Road Hutchinson, Kansas	10-E-0037-BER		$1,000,000	
Leonard Chemical	Coureton Ferry Road Rock Hill, SC			$1,403,549	
*Grenada Manufacturing	Grenada Highway #332 East Route 2 Grenada, MS 38901	MSD007037278			$4,236,778
Jones Industrial Services Landfill Superfund Site	Cranbury South River Road (Route 535) , South Brunswick Township, Middlesex County, New Jersey.			$ 259,555	
Shuron Superfund Site Operable Unit #1	100 Clinton Street Barnwell, South Carolina	99-25-C/04-1999-0430		$2,800,000	

Exhibit B

Site Name	Location	EPA#	Closure Costs	Post-closure Costs	Corrective Action Costs
Former Deere/Gastonia Plant	Little Mountain Road Gastonia, NC 28052	NCD091249417		$3,439,532	
Textron Realty Operations (formerly Textron Defense Systems)	2221 Niagara Falls Blvd. Wheatfield, NY 14304	NYD002106276		$3,874,527	
*Grenada Manufacturing	Grenada Highway #332 East Route 2 Grenada, MS 38901	MSD007037278		$ 371,875	
*Former Cessna Aircraft Facility, ARC Division	429 Rockaway Valley Rd. Boonton, NJ 07005	NJD002155448		$2,728,633	

***= Site with Corporate Guarantee for closure, post closure or corrective action in place.**

Ernst & Young LLP
200 Clarendon Street
Boston, MA 02116
Tel: +1 617 266 2000
Fax: +1 617 266 5843
www.ey.com

Report of Independent Accountants On Applying Agreed-Upon Procedures

To the Board of Directors and Management of Textron Inc. and
Georgia Department of Natural Resources

We have performed the procedures enumerated below, which were agreed to by Textron Inc. (the Company) management, solely to assist the Company in meeting its specified reporting requirements in Subpart H of 40 CFR Parts 264 and 265 concerning the Manchester Tank Company, HIS No. 10765, 811 West Avenue, Cedartown, Polk County, Georgia, as included in Mr. Frank Connor's letter dated May 30, 2012, addressed to the Georgia Department of Natural Resources (the Letter). Textron's management is responsible for preparing the financial test for liability coverage included in the Letter within the section entitled "Alternative II", as specified in Subpart H of 40 CFR Parts 264 and 265 concerning the Manchester Tank Company, HIS No. 10765, 811 West Avenue, Cedartown, Polk County, Georgia, and the information contained in "Schedule A". This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those specified in this report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

In accordance with Subpart H of 40 CFR Parts 264 and 265 concerning the Manchester Tank Company, HIS No. 10765, 811 West Avenue, Cedartown, Polk County, Georgia, we compared the dollar amount in the section entitled "Alternative II", line item 5, of the Letter, to the amount derived from the Company's audited consolidated financial statements and footnotes as of and for the year ended December 31, 2011 (not included herein), and found it to be in agreement. We obtained an analysis prepared by the Company, based on data in the accounting records underlying the audited consolidated financial statements, which divided Total Assets in the United States by the amount of Total Assets included in the Company's audited consolidated financial statements and compared such percentage to 90% and found that such percentage was less than 90%. We compared the dollar amount in the section entitled "Alternative II", line item 6, of the Letter, to an analysis prepared by the Company, based on data in the accounting records underlying the audited consolidated financial statements, which detailed Total Assets in the United States and found it to be in agreement. We obtained the attached "Schedule A" prepared by the Company detailing the composition of "Other assets" included in "Total Manufacturing group assets" in the Company's audited consolidated balance sheet, and compared amounts in Schedule A to amounts in the Company's accounting records and found them to be in agreement.

We were not engaged to and did not conduct an examination, the objective of which would be the expression of an opinion on the financial test for liability coverage or "Schedule A". Accordingly, we do not express such an opinion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of Textron Inc. and the Georgia Department of Natural Resources, and is not intended to be and should not be used by anyone other than these specified parties.

Ernst & Young LLP

May 30, 2012

Schedule A

Textron Inc. - Manufacturing Group
Schedule of Other Long-Term Assets
As of December 31, 2011

Total of Pension Plan Related Assets	$ 54
Long-Term Portion of Deferred Tax Assets	541
Kautex Tooling and Related Assets	29
Deferred Costs - Cessna No Worries Program	11
Cash Surrender Value - Life Insurance	497
Long-Term Note Receivable	7
Deferred Expenses	46
Investment in Unconsolidated Subs	6
Other	40
Intangible Assets	277
Total	$ 1,508

Attachment B
Laboratory Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 24, 2012

Andrew Romanek
CDM Smith Inc.
3715 Northside Parkway
Atlanta GA 30327

TEL: (404) 720-1400
FAX: (404) 467-4130

RE: Cedartown

Dear Andrew Romanek: Order No: 1205E52

Analytical Environmental Services, Inc. received 3 samples on 5/17/2012 10:25:00 AM 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 07/01/11-06/30/12.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

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.

Sharissa Hall
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3785 Presidential Parkway, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: M051752

Date: 4/15/12 Page 1 of 1

COMPANY: CDM Smith

ADDRESS: 3715 Northside Parkway NW B. 300 S. 400 Atlanta, GA 30327

PHONE: (404) 720-1400

FAX:

SAMPLED BY: Nick Fuller / Dan Forbes

SIGNATURE:

ANALYSIS REQUESTED

VOCs 8260B

PRESERVATION (See codes)

H+I

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	H+I	REMARKS	No # of Containers
1	RP-MW-4	4/15/12	0935	X		GW	X		2
2	RP-MW-5	4/15/12	1150	X		GW	X		2
3	TRIP Blank	4/15/12	—	X		W	X		2
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:		1:	5/17/12 1022
2: Daniel Forbes	5-15-12/1400	2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Cedartown

PROJECT #:

SITE ADDRESS: Cedartown, GA

SEND REPORT TO: Andrew Romanek

INVOICE TO: (IF DIFFERENT FROM ABOVE) romanckAP@CDMSmith.com

QUOTE #: PO#:

RECEIPT

Total # of Containers: 6

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):

E-mail? (Y) / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT 5 / 15 / 12 VIA: Fed-Ex

IN / / VIA:

CLIENT (FedEx) UPS MAIL COURIER

GREYHOUND OTHER

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: 23-May-12

Client: CDM Smith Inc.
Project: Cedartown
Lab ID: 1205E52

Case Narrative

The Chain of Custody (COC) indicates samples were collected on 4/15/2012 and shipped on 5/15/2012. Samples were logged in as collected on 5/15/2012.

Volatile Organic Compounds Analysis by Method 8260B:

Trichloroethene and cis-1,2-Dichloroethene values for sample 1205E52-001A are "E" qualified indicating estimated values over linear calibration range. The sample could not be diluted and reanalyzed because the second vial was used for matrix spike/matrix spike duplicate.

MW-4 on Missouri M&P site now referred to as MW-28A

Analytical Environmental Services, Inc **Date:** 23-May-12

Client:	CDM Smith Inc.	**Client Sample ID:**	RP-MW-4
Project Name:	Cedartown	**Collection Date:**	5/15/2012 11:50:00 AM
Lab ID:	1205E52-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	64	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,1-Dichloroethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,1-Dichloroethene	17	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,2-Dibromoethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,2-Dichloroethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,2-Dichloropropane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
2-Butanone	BRL	50		ug/L	161756	1	05/21/2012 22:32	NP
2-Hexanone	BRL	10		ug/L	161756	1	05/21/2012 22:32	NP
4-Methyl-2-pentanone	BRL	10		ug/L	161756	1	05/21/2012 22:32	NP
Acetone	BRL	50		ug/L	161756	1	05/21/2012 22:32	NP
Benzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Bromodichloromethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Bromoform	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Bromomethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Carbon disulfide	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Carbon tetrachloride	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Chlorobenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Chloroethane	BRL	10		ug/L	161756	1	05/21/2012 22:32	NP
Chloroform	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Chloromethane	BRL	10		ug/L	161756	1	05/21/2012 22:32	NP
cis-1,2-Dichloroethene	250	5.0	E	ug/L	161756	1	05/21/2012 22:32	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Cyclohexane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Dibromochloromethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Dichlorodifluoromethane	BRL	10		ug/L	161756	1	05/21/2012 22:32	NP
Ethylbenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Freon-113	BRL	10		ug/L	161756	1	05/21/2012 22:32	NP
Isopropylbenzene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
m,p-Xylene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Methyl acetate	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Methylcyclohexane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Methylene chloride	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
o-Xylene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 23-May-12

Client:	CDM Smith Inc.	**Client Sample ID:**	RP-MW-4
Project Name:	Cedartown	**Collection Date:**	5/15/2012 11:50:00 AM
Lab ID:	1205E52-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Tetrachloroethene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Toluene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Trichloroethene	550	5.0	E	ug/L	161756	1	05/21/2012 22:32	NP
Trichlorofluoromethane	BRL	5.0		ug/L	161756	1	05/21/2012 22:32	NP
Vinyl chloride	BRL	2.0		ug/L	161756	1	05/21/2012 22:32	NP
Surr: 4-Bromofluorobenzene	94.8	67.4-123		%REC	161756	1	05/21/2012 22:32	NP
Surr: Dibromofluoromethane	161	75.5-128	S	%REC	161756	1	05/21/2012 22:32	NP
Surr: Toluene-d8	102	70-120		%REC	161756	1	05/21/2012 22:32	NP

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

MW-5 on Missouri M&P site now referred to as MW-29A

Analytical Environmental Services, Inc **Date:** 23-May-12

Client:	CDM Smith Inc.	**Client Sample ID:**	RP-MW-5
Project Name:	Cedartown	**Collection Date:**	5/15/2012 11:50:00 AM
Lab ID:	1205E52-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	30	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,1-Dichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,1-Dichloroethene	12	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,2-Dibromoethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,2-Dichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,2-Dichloropropane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
2-Butanone	BRL	50		ug/L	161756	1	05/23/2012 14:19	NP
2-Hexanone	BRL	10		ug/L	161756	1	05/23/2012 14:19	NP
4-Methyl-2-pentanone	BRL	10		ug/L	161756	1	05/23/2012 14:19	NP
Acetone	BRL	50		ug/L	161756	1	05/23/2012 14:19	NP
Benzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Bromodichloromethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Bromoform	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Bromomethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Carbon disulfide	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Carbon tetrachloride	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Chlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Chloroethane	BRL	10		ug/L	161756	1	05/23/2012 14:19	NP
Chloroform	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Chloromethane	BRL	10		ug/L	161756	1	05/23/2012 14:19	NP
cis-1,2-Dichloroethene	110	5.0		ug/L	161756	1	05/23/2012 14:19	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Cyclohexane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Dibromochloromethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Dichlorodifluoromethane	BRL	10		ug/L	161756	1	05/23/2012 14:19	NP
Ethylbenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Freon-113	BRL	10		ug/L	161756	1	05/23/2012 14:19	NP
Isopropylbenzene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
m,p-Xylene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Methyl acetate	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Methylcyclohexane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Methylene chloride	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
o-Xylene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 23-May-12

Client:	CDM Smith Inc.	**Client Sample ID:**	RP-MW-5
Project Name:	Cedartown	**Collection Date:**	5/15/2012 11:50:00 AM
Lab ID:	1205E52-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Tetrachloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Toluene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Trichloroethene	310	50		ug/L	161756	10	05/23/2012 13:28	NP
Trichlorofluoromethane	BRL	5.0		ug/L	161756	1	05/23/2012 14:19	NP
Vinyl chloride	BRL	2.0		ug/L	161756	1	05/23/2012 14:19	NP
Surr: 4-Bromofluorobenzene	87.4	67.4-123		%REC	161756	10	05/23/2012 13:28	NP
Surr: 4-Bromofluorobenzene	90	67.4-123		%REC	161756	1	05/23/2012 14:19	NP
Surr: Dibromofluoromethane	106	75.5-128		%REC	161756	10	05/23/2012 13:28	NP
Surr: Dibromofluoromethane	106	75.5-128		%REC	161756	1	05/23/2012 14:19	NP
Surr: Toluene-d8	95.7	70-120		%REC	161756	10	05/23/2012 13:28	NP
Surr: Toluene-d8	96.6	70-120		%REC	161756	1	05/23/2012 14:19	NP

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:** 23-May-12

Client:	CDM Smith Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	Cedartown	**Collection Date:**	5/17/2015
Lab ID:	1205E52-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,1-Dichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,1-Dichloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,2-Dibromoethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,2-Dichloroethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,2-Dichloropropane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
2-Butanone	BRL	50		ug/L	161756	1	05/23/2012 10:31	NP
2-Hexanone	BRL	10		ug/L	161756	1	05/23/2012 10:31	NP
4-Methyl-2-pentanone	BRL	10		ug/L	161756	1	05/23/2012 10:31	NP
Acetone	BRL	50		ug/L	161756	1	05/23/2012 10:31	NP
Benzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Bromodichloromethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Bromoform	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Bromomethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Carbon disulfide	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Carbon tetrachloride	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Chlorobenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Chloroethane	BRL	10		ug/L	161756	1	05/23/2012 10:31	NP
Chloroform	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Chloromethane	BRL	10		ug/L	161756	1	05/23/2012 10:31	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Cyclohexane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Dibromochloromethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Dichlorodifluoromethane	BRL	10		ug/L	161756	1	05/23/2012 10:31	NP
Ethylbenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Freon-113	BRL	10		ug/L	161756	1	05/23/2012 10:31	NP
Isopropylbenzene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
m,p-Xylene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Methyl acetate	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Methylcyclohexane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Methylene chloride	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
o-Xylene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 23-May-12

Client:	CDM Smith Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	Cedartown	**Collection Date:**	5/17/2015
Lab ID:	1205E52-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Tetrachloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Toluene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Trichloroethene	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Trichlorofluoromethane	BRL	5.0		ug/L	161756	1	05/23/2012 10:31	NP
Vinyl chloride	BRL	2.0		ug/L	161756	1	05/23/2012 10:31	NP
Surr: 4-Bromofluorobenzene	91.3	67.4-123		%REC	161756	1	05/23/2012 10:31	NP
Surr: Dibromofluoromethane	107	75.5-128		%REC	161756	1	05/23/2012 10:31	NP
Surr: Toluene-d8	97.6	70-120		%REC	161756	1	05/23/2012 10:31	NP

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 CDM Work Order Number 1205ES2

Checklist completed by [signature] 5/17/12
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? (4°C±2)*	Yes ✓	No __	

Cooler #1 3.8 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 __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(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.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Analytical Environmental Services, Inc

Date: 24-May-12

Client: CDM Smith Inc.
Project: Cedartown
Lab Order: 1205E52

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1205E52-001A	RP-MW-4	5/15/2012 11:50:00AM	Groundwater	TCL VOLATILE ORGANICS		05/21/2012	05/21/2012
1205E52-002A	RP-MW-5	5/15/2012 11:50:00AM	Groundwater	TCL VOLATILE ORGANICS		05/21/2012	05/23/2012
1205E52-003A	TRIP BLANK	5/17/2015 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		05/21/2012	05/23/2012

Client: CDM Smith Inc.
Project Name: Cedartown
Workorder: 1205E52

ANALYTICAL QC SUMMARY REPORT

BatchID: 161756

Sample ID: **MB-** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221741**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/22/2012** Seq No: **4638170**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	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		

Client: CDM Smith Inc.
Project Name: Cedartown
Workorder: 1205E52

ANALYTICAL QC SUMMARY REPORT

BatchID: 161756

Sample ID: **MB-** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221741**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/22/2012** Seq No: **4638170**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	48.72	0	50	0	97.4	67.4	123	0	0	0	
Surr: Dibromofluoromethane	47.76	0	50	0	95.5	75.5	128	0	0	0	
Surr: Toluene-d8	47.26	0	50	0	94.5	70	120	0	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		

Client: CDM Smith Inc.
Project Name: Cedartown
Workorder: 1205E52

ANALYTICAL QC SUMMARY REPORT

BatchID: 161756

Sample ID: **MB-161756** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221712**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/21/2012** Seq No: **4636188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	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		

Client: CDM Smith Inc.
Project Name: Cedartown
Workorder: 1205E52

ANALYTICAL QC SUMMARY REPORT

BatchID: 161756

Sample ID: **MB-161756** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221712**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/21/2012** Seq No: **4636188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Cyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Freon-113	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl acetate	BRL	5.0	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylcyclohexane	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	43.28	0	50	0	86.6	67.4	123	0	0	0	
Surr: Dibromofluoromethane	55.39	0	50	0	111	75.5	128	0	0	0	
Surr: Toluene-d8	46.91	0	50	0	93.8	70	120	0	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		

Client: CDM Smith Inc.
Project Name: Cedartown
Workorder: 1205E52

ANALYTICAL QC SUMMARY REPORT

BatchID: 161756

Sample ID: **LCS-161756** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221741**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/22/2012** Seq No: **4638161**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.86	5.0	50	0	114	60	140	0	0	0	
Benzene	53.63	5.0	50	0	107	70	130	0	0	0	
Chlorobenzene	47.85	5.0	50	0	95.7	70	130	0	0	0	
Toluene	54.41	5.0	50	0	109	70	130	0	0	0	
Trichloroethene	55.50	5.0	50	0	111	70	130	0	0	0	
Surr: 4-Bromofluorobenzene	51.57	0	50	0	103	67.4	123	0	0	0	
Surr: Dibromofluoromethane	48.42	0	50	0	96.8	75.5	128	0	0	0	
Surr: Toluene-d8	47.93	0	50	0	95.9	70	120	0	0	0	

Sample ID: **1205E18-003AMS** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221741**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/22/2012** Seq No: **4639449**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.57	5.0	50	0	109	50.1	179	0	0	0	
Benzene	47.73	5.0	50	0	95.5	61.2	150	0	0	0	
Chlorobenzene	43.39	5.0	50	0	86.8	72.1	140	0	0	0	
Toluene	48.75	5.0	50	0	97.5	58.7	154	0	0	0	
Trichloroethene	49.50	5.0	50	0	99	68.3	149	0	0	0	
Surr: 4-Bromofluorobenzene	51.95	0	50	0	104	67.4	123	0	0	0	
Surr: Dibromofluoromethane	49.32	0	50	0	98.6	75.5	128	0	0	0	
Surr: Toluene-d8	48.35	0	50	0	96.7	70	120	0	0	0	

Sample ID: **1205E18-003AMSD** Client ID: Units: **ug/L** Prep Date: **05/21/2012** Run No: **221741**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **161756** Analysis Date: **05/23/2012** Seq No: **4639451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.26	5.0	50	0	109	50.1	179	54.57	0.57	23.3	
Benzene	49.01	5.0	50	0	98	61.2	150	47.73	2.65	19	

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: CDM Smith Inc.
Project Name: Cedartown
Workorder: 1205E52

ANALYTICAL QC SUMMARY REPORT

BatchID: 161756

Sample ID: **1205E18-003AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/L** Prep Date: **05/21/2012** Run No: **221741**
BatchID: **161756** Analysis Date: **05/23/2012** Seq No: **4639451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	42.95	5.0	50	0	85.9	72.1	140	43.39	1.02	21.5	
Toluene	48.88	5.0	50	0	97.8	58.7	154	48.75	0.266	20	
Trichloroethene	49.79	5.0	50	0	99.6	68.3	149	49.50	0.584	17.7	
Surr: 4-Bromofluorobenzene	53.46	0	50	0	107	67.4	123	51.95	0	0	
Surr: Dibromofluoromethane	50.08	0	50	0	100	75.5	128	49.32	0	0	
Surr: Toluene-d8	47.60	0	50	0	95.2	70	120	48.35	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		

Attachment C
Professional Certification

Professional Certification

I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer / professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors / Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Andrew Romanek

Andrew P. Romanek, P.E.
Associate
CDM Smith

June 1, 2012
Date

Summary of Oversight Provided by Georgia Licensed Engineers and Geologists

Engineer / Geologist	License Type and No.	Week Ending Date	Number of Hours	Description of Hours
Tom Duffey	Geologist PG000899	12/10/11	4	Support for Textron as secondary PRP
		12/17/11	5	Support for Textron as secondary PRP
		1/14/12	0.5	Support for Textron as secondary PRP
		3/24/12	4.5	Support for Textron as secondary PRP
		3/31/12	7	Meeting with EPD
		4/7/12	4	Access agreement support
		4/14/12	5	Access agreement support and work plan
		5/19/12	1.5	Field investigation oversight
John Reichling	Engineer PE017367	12/17/11	1	Support for Textron as secondary PRP
		1/7/12	1	Support for Textron as secondary PRP
		3/24/12	2	Support for Textron as secondary PRP
		3/31/12	2	Meeting with EPD
		4/7/12	2	Access agreement support
		4/14/12	1	Access agreement support and work plan
		4/28/12	1	Access agreement support
		5/19/12	1	Field investigation oversight
Andrew Romanek	Engineer PE029287	3/31/12	3	Meeting with EPD
		4/7/12	1	Access agreement support
		4/14/12	4	Access agreement support and work plan
		5/12/12	2.5	Field investigation preparation
		5/19/12	1.5	Field investigation oversight