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AUGUST 2013 SEMI-ANNUAL PROGRESS REPORT

NEWNAN LOFTS APARTMENT COMPLEX
(FORMER BIBB MILL)
NEWNAN, GEORGIA

Prepared For:

Newnan Lofts Limited Partnership

Prepared by:
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AUGUST 2013
REF. NO. 051315 (9)

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TECHNICAL CERTIFICATION

I certify that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate 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 by me or by a subordinate working under my direction.

Brian L. LeRoy, P.E.
Senior Engineer

8/15/13

Date

VIRUS FREE CERTIFICATE

This document provided to the EPD on two compact disks (CDs) is the August 2013 Semi-Annual Progress Report, which includes the following components: complete text, appendices, tables and figures. The contents of the CDs are in Portable Document Format (PDF) which are identical to the hard copy and are free of computer viruses; Symantec Anti virus was used to check and scan for any viruses.

I certify that the CDs are virus-free, and the documents are accurate and complete.

Terri Hollister-Bay

MAIN BODY OF DOCUMENT

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1.0 INTRODUCTION

Newnan Lofts Limited Partnership (Newnan Lofts) received approval for its Voluntary Investigation and Remediation Plan (VIRP) application from the Georgia Environmental Protection Division (EPD) on August 19, 2011. This report is the fourth semi-annual progress report to be submitted to EPD. The first semi-annual progress report was submitted to EPD in February 2012.

The purpose of each semi-annual progress report is to describe actions taken since the last submittal. The last submittal to EPD was the February 2013 Semi-Annual Progress Report. EPD provided comments on the third semi-annual progress report dated February 2013 by letter dated May 9, 2013. This report identifies activities conducted since the February 2013 report and responds to specific comments from EPD.

1.1 BACKGROUND

The Newnan Lofts Apartment Complex located at 110 Field Street in Newnan, Georgia (Site) is the location of the former Bibb Mill Company cotton mill. The Site operated as a cotton mill from the late 1800s through the 1960s; from the 1960s through 1995 the Site operated as a warehouse. The former mill was redeveloped into apartment lofts in 1999. A Site location map is provided as Figure 1. A Site plan is provided as Figure 2.

Residual shallow soil contamination associated with the historic mill operations was identified at the Site in late 2007 during a routine environmental assessment. The contamination, limited to trace concentrations of certain polynuclear aromatic hydrocarbons (PAHs) and metals (lead, arsenic and cadmium), is commonly associated with operations that utilized coal as a fuel source. These analytes are present in the coal itself and in the ash resulting from burning coal and are likely present in shallow soils due to the dispersion of coal dust or ash during the transfer and storage of these materials. There is no evidence that these materials were disposed on Site. Therefore, the presence of the coal related analytes is anticipated to be from incidental releases of coal dust or ash during historic on-Site operations. Coal dust and ash, where present, appear to be intermixed and bound up in the soil matrix.

Shallow soils with concentrations of residual PAHs or metals that exceeded the Type 2 Risk Reduction Standards (RRS) were excavated and removed from the Site in 2008. Excavation was performed on previously sampled soils. Following this removal action, it was not known whether other soils remaining on Site had concentrations of PAHs or metals in excess of the notification concentrations (NCs) or Type 1 RRS. Additional soil

sampling was performed in November 2010 to determine whether additional exceedances remained in on-Site soils.

In February 2012, CRA further delineated the horizontal and vertical extent of metals and PAHs in on-Site soil. The February 2012 soil delineation sample locations and analytical laboratory report were provided to EPD in the August 2012 Semi-Annual Progress Report.

In November 2012, CRA further delineated the horizontal and vertical extent of metals and PAHs in on-Site soil and select metals in sediment from the on-Site stormwater retention pond in the northeast portion of the Site. Three (3) surface water samples were also collected from the pond and were analyzed for PAHs and metals. In December 2012, soils were characterized from an off-Site stockpile selected as the source of imported fill for Site restoration after excavation activities. These activities were presented in the February 2013 Semi-Annual Progress Report.

2.0 WORK PERFORMED THIS PERIOD

2.1 CORRESPONDENCE WITH EPD

EPD provided comments regarding the February 2013 Semi-Annual Progress Report in correspondence dated May 9, 2013. A meeting was held with EPD on June 5, 2013 to discuss progress to date, the EPD's comments and additional work to be performed. The comment letter dated May 9, 2013 and the record of telephone conversation are included in Appendix A.

CRA submitted a memorandum to the EPD regarding the area averaging calculations and methodology on June 7, 2013. A conference call was conducted on July 3, 2013 to discuss the area averaging calculations and ecological risks associated with the Newnan Lofts Site. Georgia EPD contacted CRA in regards to the area averaging calculations and ecological risks on Monday August 5, 2013. A record of telephone conversation and email communications are included in Appendix A.

2.2 SITE SAMPLING

2.2.1 MAY 2013 SURFACE WATER SAMPLING

On May 1, 2013, CRA further characterized metals in on-Site surface water in the stormwater retention pond at the request of EPD. Surface water samples were collected using a peristaltic pump. Tubing was attached to a plastic conduit to allow for the collection of a vertical sample at approximately 10 to 12 feet from the bank of the on-Site pond. Surface water samples were collected at approximately one foot below the water surface. Surface water from each sample location was purged approximately 10 to 15 seconds and collected into clean, nitric acid-preserved containers. New tubing was used for each sample location. Four (4) surface water samples were collected from three (3) locations and sent to the laboratory for analysis of total and dissolved lead, hardness as $CaCO_3$, and total suspended solids (TSS). The May 2013 surface water sample locations are shown on Figure 3. The analytical data summary for the May 2013 Site surface water sampling event is presented in Table 1. The complete analytical laboratory report, the data validation memo, and sample key are provided in Appendix B.

2.2.1.1 SURFACE WATER SAMPLING RESULTS

Concentrations of total lead in surface water ranged from 7.79 µg/L to 9.87 µg/L. As expected, concentrations of dissolved lead were lower, with a range of 1.82 µg/L to 3.12 µg/L. Concentrations of hardness ranged from 39.8 mg/L to 44.8 mg/L.

In Georgia, the chronic in stream water quality standard for lead identified in Chapter 391-3-6.03 is 1.2 µg/L, which is based on a hardness of 50 mg/L. Calculation of a standard for a hardness other than 50 mg/L is referred to an equation identified in the USEPA Recommended National Water Quality Criteria (RNWQC 2006, with 2009 being the most recent revision). Adjusting for the average hardness of the four samples (42.3 mg/L), the site-specific standard for the stormwater retention pond is 1.06 µg/L.

Both the Georgia in stream standard and RNWQC are based on dissolved lead. Although the concentrations of dissolved lead in all four samples are above the site-specific standard based on the NRWQC, the reported concentrations are not expected to impact the aquatic life that likely inhabit the stormwater retention pond. The RNWQC are conservative benchmarks, as the criteria have been developed to be protective of a broad range of aquatic life, including sensitive species, which are not expected to be present in a stormwater retention basin. Suter and Tsao (1996) identify a number of toxicological benchmarks that are frequently used in screening for contaminants of concern for ecological risk assessments. Toxicological benchmarks for fish and aquatic invertebrates identified in Suter and Tsao (1996) include the following:

- Effective Concentration (EC_{20}) for Fish = 22 µg/L
- Effective Concentration (EC_{25}) for Bass = 71 µg/L
- Lowest Chronic Value (LCV) for Fish = 18.9 µg/L
- Lowest Chronic Value (LCV) for Daphnids = 12.3 µg/L
- Lowest Chronic Value (LCV) for Non-Daphnids = 25.5 µg/L

The concentrations of both total and dissolved lead in all four samples are well below all of the above toxicological benchmarks. Consequently, it can reasonably be concluded that the concentrations of lead in the stormwater retention pond surface water do not adversely impact whatever aquatic life may be present in the pond or downstream of the pond in the stormwater conveyance channel that receives overflow from the pond.

2.2.2 JULY 2013 SEDIMENT SAMPLING

2.2.2.1 SEDIMENT SAMPLING IN ON-SITE POND

On July 25 and 26, 2013, nine (9) sediment samples were collected from the on-Site stormwater retention pond located at the northeast portion of the Site and one (1) sediment sample was collected in the spillway area on the eastern bank, where water exits the pond. No sediment samples were collected from the center of the pond which was not accessible by boat due to the low water levels in the pond. All sediment samples were analyzed for PAHs and metals. The July 2013 sediment sample locations are shown on Figure 3. The analytical data summary for the July 2013 sediment sampling event is presented in Table 2. The complete analytical laboratory report, the data validation memo, and sample key are provided in Appendix B.

2.2.2.2 SEDIMENT SAMPLING IN NORTHERN DRAINAGE PATHS

On July 25 and 26, 2013, three (3) sediment samples were collected on Site in the northern drainage path, north of the pond and north of the fence. At the request of Georgia EPD, one (1) sediment sample was collected in the drainage path running south to north, north of the pool area. All samples were analyzed for RCRA metals and PAHs. The July 2013 sediment sample locations are shown on Figure 3. The complete analytical laboratory report, the data validation memo, and sample key are provided in Appendix B. The analytical data summary for the July 2013 sediment sampling event is presented in Table 3.

2.2.3 JULY 2013 SOIL SAMPLING

2.2.3.1 SOIL REPLACEMENT SAMPLING

On July 25 and 26, 2013, three (3) soil samples were collected from the imported fill placed in the area west of the building and east of the CSX railroad. The soil in this area was recently excavated and replaced with imported fill from a local source1. All samples were analyzed for RCRA metals, VOCs, SVOCs, PCBs, and pesticides in accordance with the access agreement for soil remediation granted by CSX. The July 2013 soil sample locations are shown on Figure 3. The complete analytical laboratory

[1] The stockpile soil was sampled in December 2012. Results of the sampling are presented in the February 2012 Semi-Annual Progress Report.

report, the data validation memo, and sample key are provided in Appendix B. The analytical data summary for the July 2013 soil sampling event is presented in Table 3.

2.2.3.1.1 SOIL SAMPLING RESULTS

Generally, the imported fill sample results (sample locations BH-32, BH-33, and BH-34 on Figure 3) were similar to the results[1] of the borrow soil sampled in December 2012.

2.2.3.2 SOUTHEASTERN SOIL SAMPLE

At the request of EPD, an additional soil sample was collected from the area east of BH-31, in the southeastern corner of the Site. This sample (BH-35) was collected and analyzed for RCRA metals and PAHs and the location is shown on Figure 3. The complete analytical laboratory report, the data validation memo, and sample key are provided in Appendix B. The analytical data summary for the July 2013 soil sampling event is presented in Table 3.

The soil sample collected from BH-35 in the southeastern corner of the Site did not have any exceedances of the Type 1 RRS for PAHs or metals.

2.2.3.3 NORTH PARKING LOT SOIL SAMPLE

On July 8, 2013, CRA collected an additional surficial soil sample (0-1 ft bgs) from the eastern curbed "island" in the north parking lot. This sample (BH-36) was collected and analyzed for RCRA metals and PAHs; the location is shown on Figure 3. The complete analytical laboratory report, the data validation memo, and sample key are provided in Appendix B. The analytical data summary for the July 2013 soil sampling event is presented in Table 3.

The soil sample collected from BH-36 did not have any exceedances of the Type 1 RRS for PAHs or metals.

2.3 REMEDIATION ACTIVITIES

Remediation activities conducted at the Site beginning in April 2013 include:

- Installation of fencing on the west side of the Site to restrict access to portions of the leased CSX property and to prevent any potential erosion from the slope on the leased CSX property from entering the area accessible to residents (access onto the CSX leased property was requested and granted specifically for the proposed soil remediation activities that were conducted along the western portion of the Site).
- Excavation and relocation of soils exceeding the Type 1 RRS, based on exposure area averaging, that were accessible to residents.
- Placement of surface cover treatments over the soils left in place within the drip line of larger trees to be protected.
- Installation of poplar trees for phytoremediation to reduce concentrations of various metals and PAHs in the soils within the secure fenced areas.
- Disposal of excavated soils at an approved, off-Site permitted landfill.
- Mitigation of the potential vapor intrusion pathway through positive ventilation of the crawl space beneath the mill buildings.
- Development of an Environmental Inspection and Maintenance Plan to ensure the long-term integrity of the activities above.

Site excavation activities were hindered by excessive rains but were substantially complete in June 2013 and are presented on Figure 4. The remainder of the proposed remediation activities are described in Section 3.0.

2.4 REVISED RISK REDUCTION CALCULATIONS

The RRS calculations have been revised per the request of the EPD as noted in the May 9, 2013 comment letter in Appendix A and subsequent discussions/correspondence with EPD. The revised RRS calculations are presented in Appendix C. All analytical results are compared to those revised RRS values in Appendix C.

2.5 REVISED EXPOSURE AREA AVERAGING CALCULATIONS

Exposure area averaging was used to determine the average concentrations of metals and PAHs from different areas of the Site and was presented in the August 2012

Semi-Annual Progress Report. Since the August 2012 Semi-Annual Progress Report, additional soil samples have been collected and were incorporated in an updated scenario presented to the EPD on July 9, 2013. The revised exposure area averaging calculations are presented in Appendix D. The exposure area averaging scenarios presented include the 0 to 1 feet below ground surface (ft bgs) and 1 to 2 ft bgs soil intervals based on post-excavation conditions. No data in either scenario exceeds the Type 1 RRS.

The analytical data collected from soil sample location BH-35 in the southeast corner of the Site in July 2013 did not exceed the Type 1 RRS but was not included in the revised area averaging calculations.

2.6 ENVIRONMENTAL INSPECTION AND MAINTENANCE PLAN

An Environmental Inspection and Maintenance Plan has been prepared for the Newnan Lofts Site and describes the requirements for inspecting, repairing and reporting the conditions of the landscaped and fenced portions of the Newnan Lofts Apartment Complex. This plan is designed to be used by maintenance personnel at the Newnan Lofts Site. An inspection log and a maintenance plan for exposed Site soils have been included in the Environmental Inspection and Maintenance Plan. A copy of the Environmental Inspection and Maintenance Plan for the Newnan Lofts Site is included in Appendix E.

3.0 PROPOSED REMEDIATION ACTIVITIES

The remedial activities previously proposed and approved for the Site are substantially complete. Additional limited work to be completed in August includes:

- Excavation and relocation of the upper one foot of soils in the HA-8 and BH-26 areas exceeding the Type 1 RRS; Disposal of excavated soils at an acceptable off-Site permitted landfill; and
- Inspection and maintenance of the above.

These remedial activities are described in detail in the August 2012 and February 2013 Semi-Annual Progress Reports. Additional details and responses to EPD's comments have been discussed with EPD and details are presented in the subsection that follows.

3.1 EXCAVATION OF SOILS IN HA-8 AND BH-26 AREAS

Per EPD's request in e-mail correspondence dated August 5, 2013, soils in the HA-8 and BH-26 areas will be excavated to remove the upper one foot of soils as shown on Figure 4. Exposure area averaging has been recalculated assuming this work is complete and demonstrates the Site's exposure area averages are well below the Type 1 RRS based on the 95% upper confidence limit.

4.0 COMMITMENT TO FUTURE REQUIREMENTS

CRA affirms its commitment to the following future requirements:

- Progress Reports – February 15th and August 15th through February 15th 2016, if required; and
- Compliance Status Report upon completion of remedial activities proposed herein.

5.0 PROJECT SCHEDULE

Implementation of the remedial activities described in Section 3 has been initiated. The anticipated milestone schedule is as follows:

- Completion of all soil removal and restoration activities by the end of September 2013 (weather permitting); and
- Implementation of the Environmental Inspection and Maintenance Plan upon completion of the above.

6.0 ENGINEERING FEES

Appendix F includes the summary of engineering fees incurred by this project from February 1, 2013 through July 31, 2013.

7.0 COST ESTIMATES

Proposed remedial activities at the Site are substantially complete. Limited soil removal activities still to be performed are expected to be complete in September 2013. Work remaining following completion of soil removal will primarily consist of Site inspection and maintenance in accordance with the Environmental Inspection and Maintenance Plan. This plan is designed to be implemented by Site maintenance personnel who are on Site full time for maintenance of the buildings and grounds. The Site is an income producing property that will continue to require and fund the paid maintenance positions. Thus the cost of implementation of the plan is already covered in the normal operation of Newnan Lofts. Incremental costs associated with plan implementation will therefore be less than $500 per year.

8.0 REFERENCES

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- Smith, D.W. and Jones, S.M. 2006. *"It's Time to Abandon Co-Occurrence Sediment Quality Benchmarks (SQBs)"*, Learned Discourse, March – April 2006: 27 – 29
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- U.S. Environmental Protection Agency. 2005a. Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for Protection of Benthic Organisms: Metal Mixtures (Cadmium, Copper, Lead, Nickel, Silver, and Zinc). EPA-600-R-02-011. January 2005.
- U.S. Environmental Protection Agency. 2006. National Recommended Water Quality Criteria. Office of Water, Office of Science and Technology. 4304T.
- U.S. Environmental Protection Agency. 2009. National Recommended Water Quality Criteria. Office of Water, Office of Science and Technology. 4304T.

FIGURES

AUGUST 2013 SEMI-ANNUAL PROGRESS REPORT

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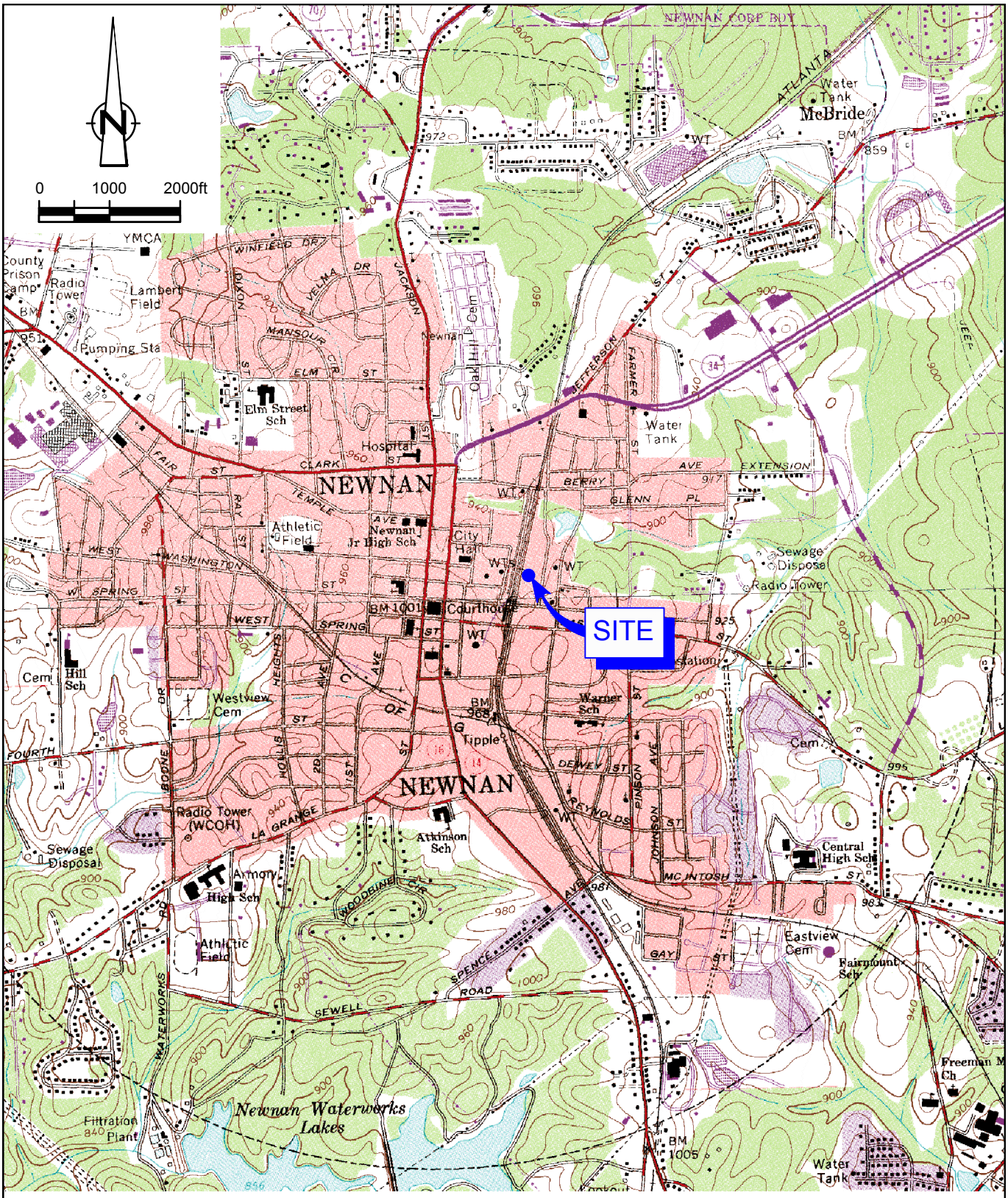

SOURCE: USGS QUADRANGLE MAPS:
NEWNAN NORTH, GA.
NEWNAN SOUTH, GA.

figure 1

SITE LOCATION MAP
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(009)GN-WA004 AUG 1/2013

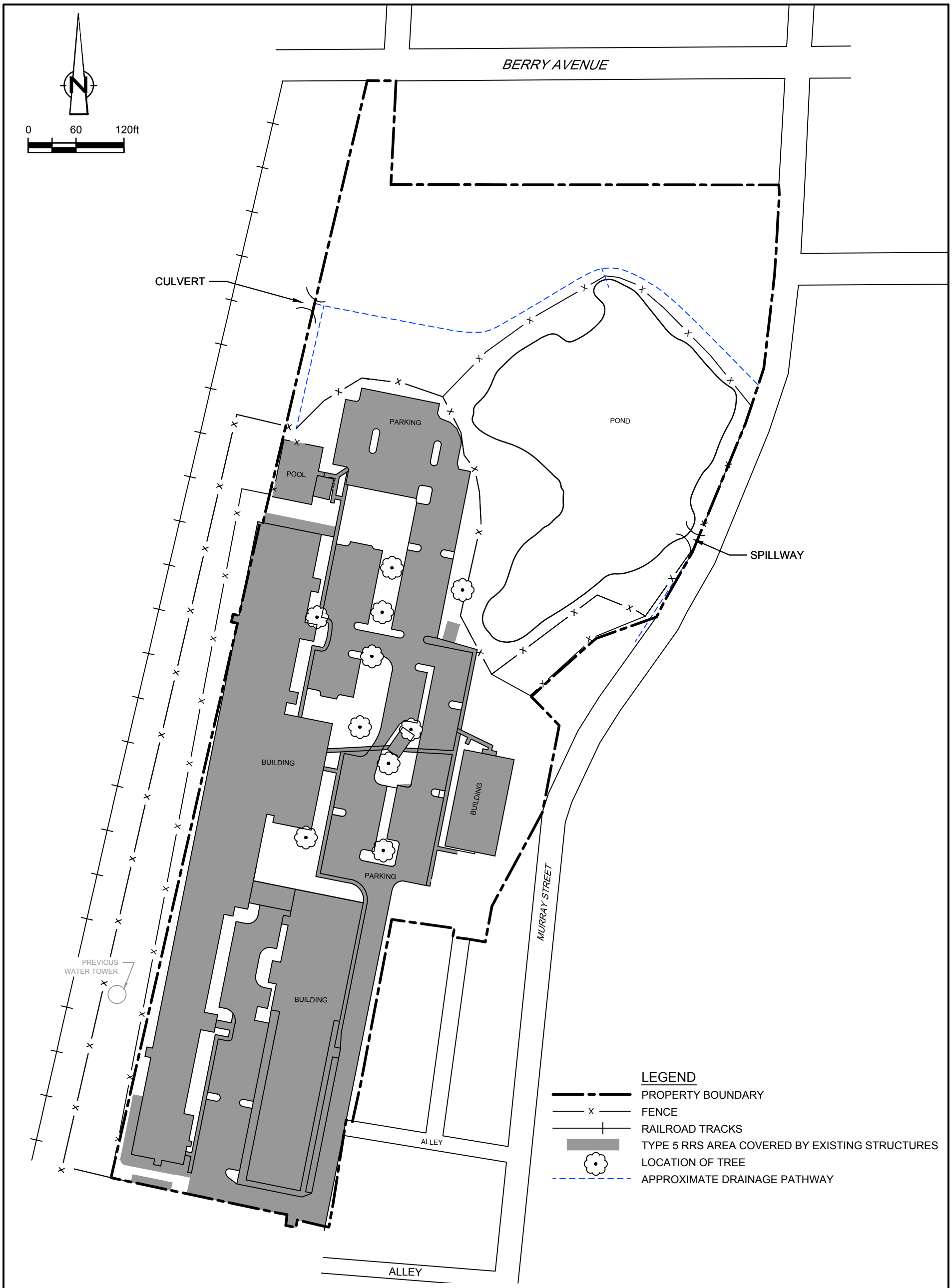

figure 2

SITE PLAN
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

CRA

51315-00(009)GN-WA001 JUL 31/2013

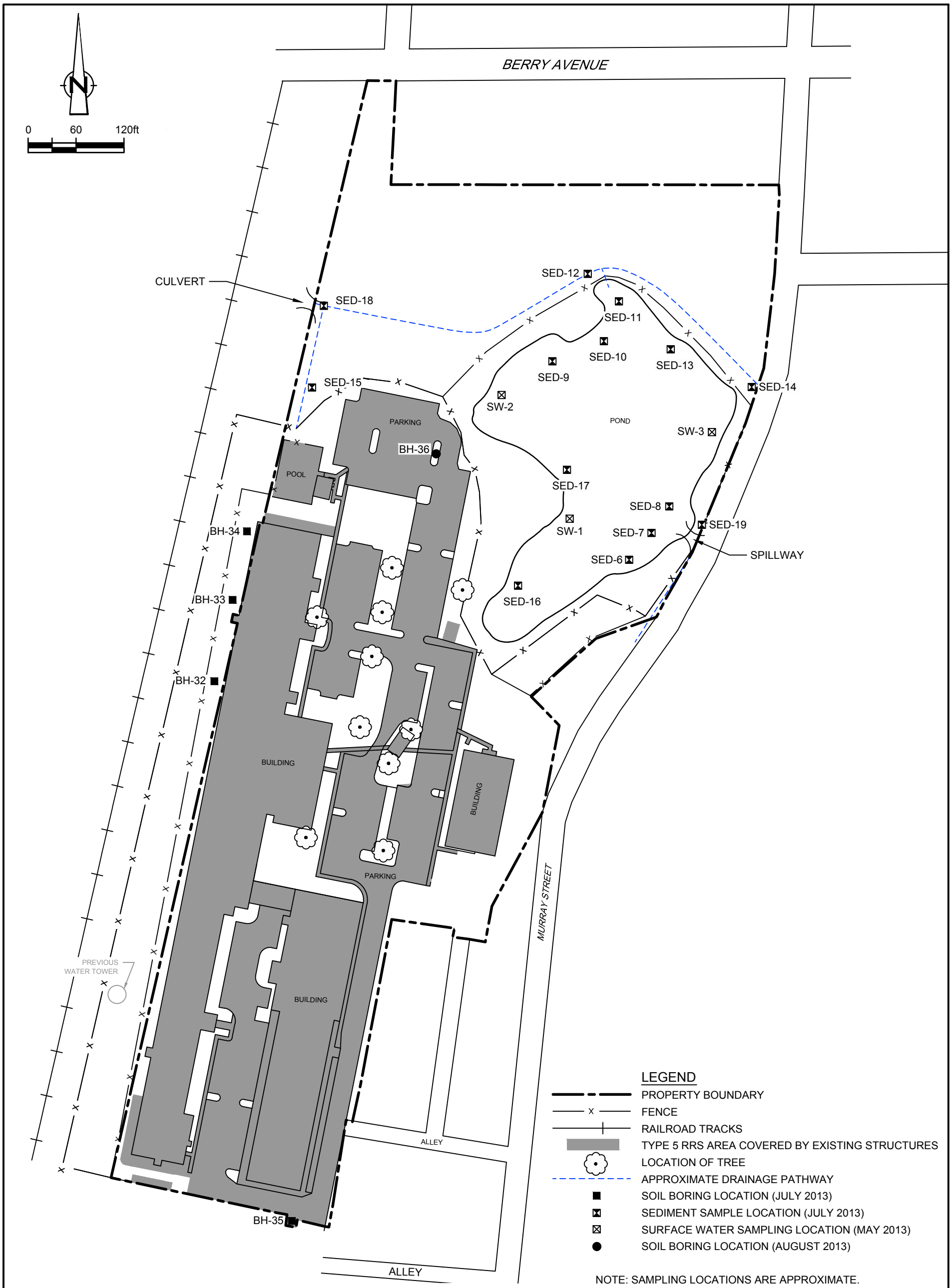

figure 3

2013 SAMPLING LOCATIONS
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(009)GN-WA002 AUG 14/2013

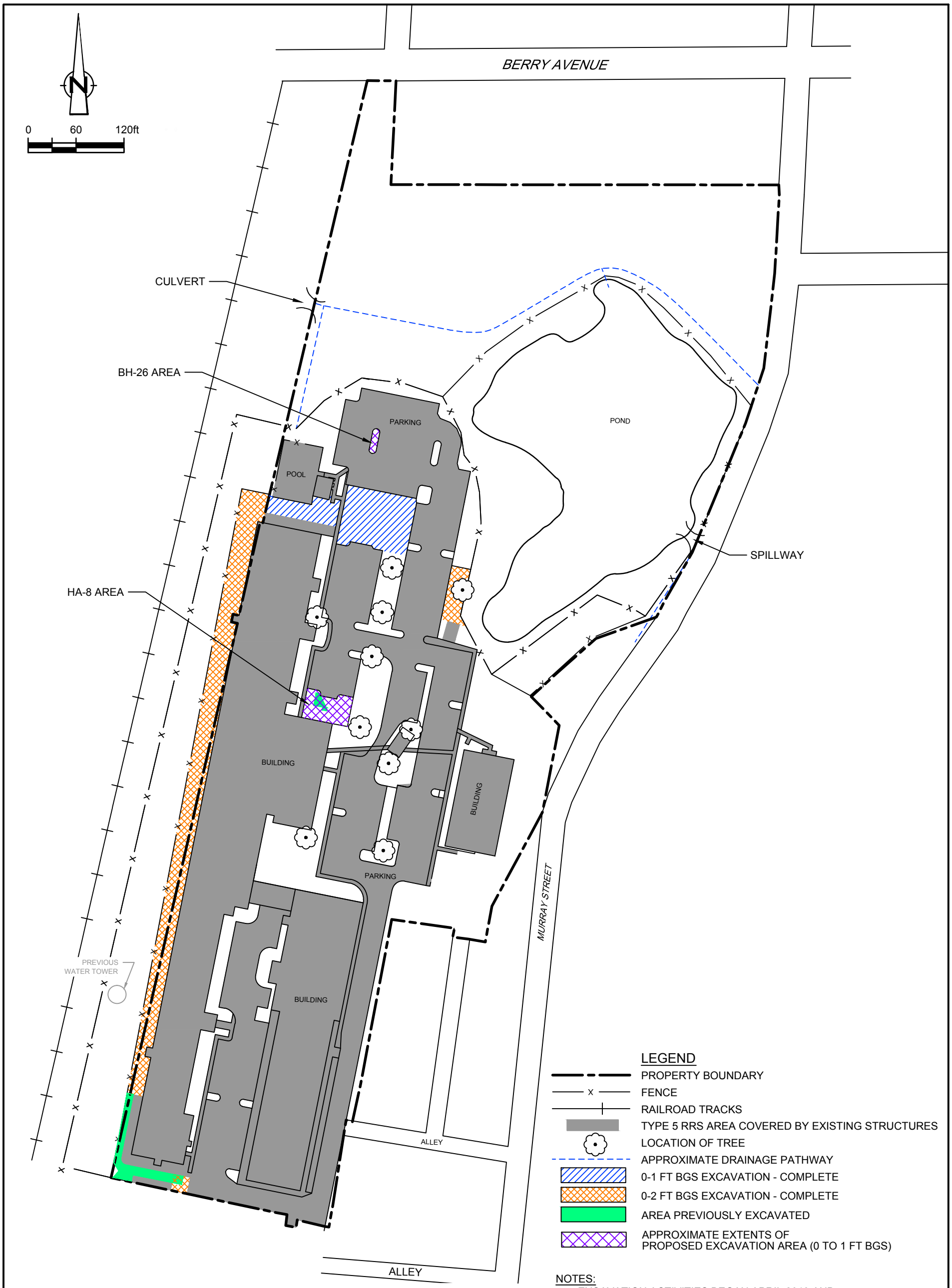

figure 4

EXCAVATION ACTIVITIES
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(009)GN-WA003 AUG 15/2013

TABLES

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TABLE 1

SURFACE WATER ANALYTICAL RESULTS SUMMARY - MAY 2013
NEWNAN LOFTS
NEWNAN, GEORGIA

Location Name:			*SW-1*	*SW-2*	*SW-2*	*SW-3*
Sample Name:			*SW-050113-BLL-001*	*SW-050113-BLL-002*	*SW-050113-BLL-003*	*SW-050113-BLL-004*
Sample Date:			*5/1/2013*	*5/1/2013*	*5/1/2013*	*5/1/2013*
Sample Type:					*Duplicate*	
	Units	GISWQS				
Metals						
Lead	mg/L	0.0012	**0.00779**	**0.00987**	**0.00948**	**0.00716**
Lead (dissolved)	mg/L	0.0012	**0.00205**	**0.0032**	**0.00312**	**0.00182**
General Chemistry						
Hardness	mgCaCO3/L	NC	41.0	44.8	43.6	39.8
Total suspended solids (TSS)	mg/L	NC	6.0	12.0	15.5	7.5

Notes:

mg/L- milligrams per liter

NC- No criteria.

GISWQS - Georgia In-Stream Water Quality Standard, Rule 391-3-6-.03

Exceedances of GISWQS are denoted in red bold font.

TABLE 2

SEDIMENT ANALYTICAL RESULTS SUMMARY - JULY 2013
NEWNAN LOFTS
NEWNAN, GEORGIA

Location Name:				*SED-6*	*SED-7*	*SED-8*	*SED-8*	*SED-9*	*SED-10*	*SED-11*
Sample Name:				*SE-072513-SAG-006*	*SE-072513-SAG-007*	*SE-072513-SAG-008*	*SE-072513-SAG-009*	*SE-072513-SAG-010*	*SE-072513-SAG-011*	*SE-072513-SAG-012*
Sample Date:				*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
Depth:				*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*
Sample Type:							*Duplicate*			
	Units	*Lower Tier Benchmark* *a*	*Upper Tier Benchmark* *b*							
Metals										
Arsenic	mg/kg	9.79	33	18.6 U	12.7 U	6.39 U	6.25 U	17.0 U	10.1 U	11.1 U
Barium	mg/kg	NC	NC	199	203	50.2	55.4	228	119	172
Cadmium	mg/kg	NC	NC	9.28 U	6.36 U	3.19 U	3.12 U	8.51 U	5.05 U	5.54 U
Chromium	mg/kg	43.4	111	32.7	30.8	13.8	24.8	36.6	22.4	30.7
Lead	mg/kg	31.6	128	**158[ab]**	**159[ab]**	**49.0[a]**	31.4	**221[ab]**	**133[ab]**	**277[ab]**
Mercury	mg/kg	0.18	1.06	0.383 U	0.253 U	0.134 U	0.133 U	0.356 U	0.216 U	**0.390[a]**
Selenium	mg/kg	NC	NC	18.6 U	12.7 U	6.39 U	6.25 U	17.0 U	10.1 U	11.1 U
Silver	mg/kg	NC	NC	9.28 U	6.36 U	3.19 U	3.12 U	8.51 U	5.05 U	5.54 U
Semi-Volatile Organic Compounds										
1-Methylnaphthalene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
2-Methylnaphthalene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Acenaphthene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Acenaphthylene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Anthracene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Benzo(a)anthracene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Benzo(a)pyrene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Benzo(b)fluoranthene	ug/kg	NC	NC	1300 U	860	440 U	440 U	1200 U	730 U	790 U
Benzo(g,h,i)perylene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Benzo(k)fluoranthene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Chrysene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Dibenz(a,h)anthracene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Fluoranthene	ug/kg	NC	NC	1300 U	860	440 U	440 U	1200 U	800	790 U
Fluorene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Indeno(1,2,3-cd)pyrene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Naphthalene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Phenanthrene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
Pyrene	ug/kg	NC	NC	1300 U	850 U	440 U	440 U	1200 U	730 U	790 U
General Chemistry										
Moisture content (dry weight)	%	NC	NC	74.3	61.1	25.5	24.9	72.3	54.7	58.0

Notes:
mg/kg- milligrams per kilogram
ug/kg- micrograms per kilogram
J- Estimated.
U- Not detected at or above the associated value.
R- Rejected.
NC- No criteria.
RRS- Georgia Hazardous Site Response Act (HSRA), Risk Reduction Standards
Exceedances of Type 1 RRS (on-Site) are denoted in red bold font.

TABLE 2

SEDIMENT ANALYTICAL RESULTS SUMMARY - JULY 2013
NEWNAN LOFTS
NEWNAN, GEORGIA

Location Name:		*SED-12*	*SED-13*	*SED-14*	*SED-15*	*SED-16*	*SED-17*	*SED-18*	*SED-19*
Sample Name:		*SE-072513-SAG-013*	*SE-072513-SAG-014*	*SE-072613-SAG-015*	*SE-072613-SAG-016*	*SE-072613-SAG-017*	*SE-072613-SAG-018*	*SE-072613-SAG-019*	*SE-072613-SAG-020*
Sample Date:		*7/25/2013*	*7/25/2013*	*7/26/2013*	*7/26/2013*	*7/26/2013*	*7/26/2013*	*7/26/2013*	*7/26/2013*
Depth:		*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*
Sample Type:									
	Units								
Metals									
Arsenic	mg/kg	6.30 U	12.0 U	6.18 U	**16.0[a]**	17.1 U	12.4 U	7.69 U	5.52 U
Barium	mg/kg	22.0	150	26.2	108	222	173	70.7	36.2
Cadmium	mg/kg	3.15 U	6.02 U	3.09 U	2.82 U	8.57 U	6.18 U	3.84 U	2.76 U
Chromium	mg/kg	6.30	29.7	6.39	9.22	31.7	27.2	12.5	6.88
Lead	mg/kg	18.6	**224[ab]**	**142[ab]**	**42.0[a]**	**220[ab]**	**230[ab]**	**61.7[a]**	13.4
Mercury	mg/kg	0.129 U	**0.273[a]**	0.130 U	0.141	0.353 U	0.264 U	0.164 U	0.117 U
Selenium	mg/kg	6.30 U	12.0 U	6.18 U	5.64 U	17.1 U	12.4 U	7.69 U	5.52 U
Silver	mg/kg	3.15 U	6.02 U	3.09 U	2.82 U	8.57 U	6.18 U	3.84 U	2.76 U
Semi-Volatile Organic Compounds									
1-Methylnaphthalene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
2-Methylnaphthalene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Acenaphthene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Acenaphthylene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Anthracene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Benzo(a)anthracene	ug/kg	430 U	820 U	440 U	770	1200 U	1700	540 U	390 U
Benzo(a)pyrene	ug/kg	430 U	820 U	440 U	630	1200 U	1600	540 U	390 U
Benzo(b)fluoranthene	ug/kg	530	820 U	440 U	1000	1200 U	2600	540 U	390 U
Benzo(g,h,i)perylene	ug/kg	430 U	820 U	440 U	500	1200 U	1500	540 U	390 U
Benzo(k)fluoranthene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Chrysene	ug/kg	430 U	820 U	440 U	730	1200 U	1800	540 U	390 U
Dibenz(a,h)anthracene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Fluoranthene	ug/kg	810	820 U	440 U	1700	1200 U	3400	580	390 U
Fluorene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Indeno(1,2,3-cd)pyrene	ug/kg	430 U	820 U	440 U	420	1200 U	1200	540 U	390 U
Naphthalene	ug/kg	430 U	820 U	440 U	370 U	1200 U	880 U	540 U	390 U
Phenanthrene	ug/kg	430 U	820 U	440 U	1100	1200 U	1400	540 U	390 U
Pyrene	ug/kg	640	820 U	440 U	1300	1200 U	2700	540 U	390 U
General Chemistry									
Moisture content (dry weight)	%	23.7	59.8	24.7	11.7	72.0	62.3	39.0	15.6

Notes:
mg/kg- milligrams per kilogram
ug/kg- micrograms per kilogram
J- Estimated.
U- Not detected at or above the associated value.
R- Rejected.
NC- No criteria.
RRS- Georgia Hazardous Site Response Act (HSRA), R
Exceedances of Type 1 RRS (on-Site) are denoted in re

TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY - JULY & AUGUST 2013
NEWNAN LOFTS
NEWNAN, GEORGIA

Location Name:			*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*	*BH-36*
Sample Name:			*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*	*051315-BP-080813-01*
Sample Date:			*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*8/8/2013*
Depth:			*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*	*0-1 ft BGS*
Sample Type:						*Duplicate*		
	Units	*Type 1 RRS*						
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,1,2,2-Tetrachloroethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,1,2-Trichloroethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,1-Dichloroethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,1-Dichloroethene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,2,4-Trichlorobenzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,2-Dichlorobenzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,2-Dichloroethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,2-Dichloropropane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,3-Dichlorobenzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
1,4-Dichlorobenzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	NC	38 U	38 U	39 U	38 U	-	-
2-Hexanone	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
Acetone	ug/kg	NC	100	77 U	78 U	77 U	-	-
Benzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Bromodichloromethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Bromoform	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Bromomethane (Methyl bromide)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Carbon disulfide	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
Carbon tetrachloride	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Chlorobenzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Chloroethane	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
Chloroform (Trichloromethane)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Chloromethane (Methyl chloride)	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
cis-1,2-Dichloroethene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
cis-1,3-Dichloropropene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Cyclohexane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Dibromochloromethane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Dichlorodifluoromethane (CFC-12)	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
Ethylbenzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Isopropyl benzene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Methyl acetate	ug/kg	NC	3.8 U	7.9	3.9 U	3.8 U	-	-
Methyl cyclohexane	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Methyl tert butyl ether (MTBE)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Methylene chloride	ug/kg	NC	15 U	15 U	16 U	15 U	-	-
Styrene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Tetrachloroethene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Toluene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
trans-1,2-Dichloroethene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
trans-1,3-Dichloropropene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Trichloroethene	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Trichlorofluoromethane (CFC-11)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Trifluorotrichloroethane (Freon 113)	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
Vinyl chloride	ug/kg	NC	7.5 U	7.7 U	7.8 U	7.7 U	-	-
Xylenes (total)	ug/kg	NC	3.8 U	3.8 U	3.9 U	3.8 U	-	-
Semi-Volatile Organic Compounds								
1-Methylnaphthalene	ug/kg	NC	430 U	420 U	430 U	430 U	400 U	390 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2,4,5-Trichlorophenol	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
2,4,6-Trichlorophenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2,4-Dichlorophenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2,4-Dimethylphenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2,4-Dinitrophenol	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
2,4-Dinitrotoluene	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2,6-Dinitrotoluene	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2-Chloronaphthalene	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2-Chlorophenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2-Methylnaphthalene	ug/kg	NC	430 U	420 U	430 U	430 U	400 U	390 U
2-Methylphenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
2-Nitroaniline	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
2-Nitrophenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
3,3'-Dichlorobenzidine	ug/kg	NC	870 U	860 U	870 U	870 U	-	-
3-Nitroaniline	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
4,6-Dinitro-2-methylphenol	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
4-Bromophenyl phenyl ether	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
4-Chloro-3-methylphenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
4-Chloroaniline	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
4-Chlorophenyl phenyl ether	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
4-Methylphenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
4-Nitroaniline	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
4-Nitrophenol	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
Acenaphthene	ug/kg	300000	430 U	420 U	430 U	430 U	400 U	390 U
Acenaphthylene	ug/kg	130000	430 U	420 U	430 U	430 U	400 U	390 U
Acetophenone	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Anthracene	ug/kg	500000	430 U	420 U	430 U	430 U	400 U	390 U
Atrazine	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Benzaldehyde	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Benzo(a)anthracene	ug/kg	5000	430 U	420 U	430 U	430 U	1300	420 J
Benzo(a)pyrene	ug/kg	1640	430 U	420 U	430 U	430 U	1000	390 U
Benzo(b)fluoranthene	ug/kg	5000	430 U	420 U	430 U	430 U	1500	520 J
Benzo(g,h,i)perylene	ug/kg	500000	430 U	420 U	430 U	430 U	810	390 U
Benzo(k)fluoranthene	ug/kg	5000	430 U	420 U	430 U	430 U	540	390 U
Biphenyl (1,1-Biphenyl)	ug/kg	NC	430 U	420 U	430 U	430 U	-	-

TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY - JULY & AUGUST 2013
NEWNAN LOFTS
NEWNAN, GEORGIA

Location Name:			*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*	*BH-36*
Sample Name:			*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*	*051315-BP-080813-01*
Sample Date:			*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*8/8/2013*
Depth:			*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*	*0-1 ft BGS*
Sample Type:						*Duplicate*		
	Units	*Type 1 RRS*						
bis(2-Chloroethoxy)methane	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
bis(2-Chloroethyl)ether	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Butyl benzylphthalate (BBP)	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Caprolactam	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Carbazole	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Chrysene	ug/kg	5000	430 U	420 U	430 U	430 U	1200	400 J
Dibenz(a,h)anthracene	ug/kg	2050	430 U	420 U	430 U	430 U	400 U	390 U
Dibenzofuran	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Diethyl phthalate	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Dimethyl phthalate	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Di-n-butylphthalate (DBP)	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Di-n-octyl phthalate (DnOP)	ug/kg	NC	430 U	420 U	430 U	430 U	-	
Fluoranthene	ug/kg	500000	430 U	420 U	430 U	650	2700	970 J
Fluorene	ug/kg	360000	430 U	420 U	430 U	430 U	400 U	390 U
Hexachlorobenzene	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Hexachlorobutadiene	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Hexachlorocyclopentadiene	ug/kg	NC	860 U	850 U	860 U	860 U	-	-
Hexachloroethane	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Indeno(1,2,3-cd)pyrene	ug/kg	5000	430 U	420 U	430 U	430 U	680	390 U
Isophorone	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Naphthalene	ug/kg	100000	430 U	420 U	430 U	430 U	400 U	390 U
Nitrobenzene	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
N-Nitrosodi-n-propylamine	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
N-Nitrosodiphenylamine	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Pentachlorophenol	ug/kg	NC	2200 U	2200 U	2200 U	2200 U	-	-
Phenanthrene	ug/kg	110000	430 U	420 U	430 U	540	1600	550 J
Phenol	ug/kg	NC	430 U	420 U	430 U	430 U	-	-
Pyrene	ug/kg	500000	430 U	420 U	430 U	470	2100	660 J
Metals								
Arsenic	mg/kg	20	6.14 UJ	6.28 UJ	6.22 UJ	5.97 UJ	5.67 UJ	5.38 U
Barium	mg/kg	1000	121 J	87.5 J	70.3 J	71.4 J	97.7 J	110
Cadmium	mg/kg	2	3.07 U	3.14 U	3.11 U	2.99 U	2.84 U	2.69 U
Chromium	mg/kg	100	8.34	8.28	7.72	7.69	10.2	26.7
Lead	mg/kg	75	6.14 U	6.93	6.51	7.39	31.5	17.3
Mercury	mg/kg	0.5	0.130 U	0.126 U	0.128 U	0.128 U	0.122 U	0.117 U
Selenium	mg/kg	2	R	R	R	R	R	5.38 U
Silver	mg/kg	2	3.07 U	3.14 U	3.11 U	2.99 U	2.84 U	2.69 U
PCBs								
Aroclor-1016 (PCB-1016)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Aroclor-1221 (PCB-1221)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Aroclor-1232 (PCB-1232)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Aroclor-1242 (PCB-1242)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Aroclor-1248 (PCB-1248)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Aroclor-1254 (PCB-1254)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Aroclor-1260 (PCB-1260)	ug/kg	NC	43 U	43 U	43 U	43 U	-	-
Pesticides								
4,4'-DDD	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
4,4'-DDE	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
4,4'-DDT	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
Aldrin	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
alpha-BHC	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
alpha-Chlordane	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
beta-BHC	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
delta-BHC	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
Dieldrin	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
Endosulfan I	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
Endosulfan II	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
Endosulfan sulfate	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
Endrin	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
Endrin aldehyde	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
Endrin ketone	ug/kg	NC	4.3 U	4.3 U	4.3 U	4.3 U	-	-
gamma-BHC (lindane)	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
gamma-Chlordane	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
Heptachlor	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
Heptachlor epoxide	ug/kg	NC	2.2 U	2.2 U	2.2 U	2.2 U	-	-
Methoxychlor	ug/kg	NC	22 U	22 U	22 U	22 U	-	-
Toxaphene	ug/kg	NC	220 U	220 U	220 U	220 U	-	-
General Chemistry								
Moisture content (dry weight)	%	NC	23.0	22.3	23.5	23.4	18.4	15.3

Notes:

mg/kg- milligrams per kilogram

ug/kg- micrograms per kilogram

J- Estimated.

U- Not detected at or above the associated value.

R- Rejected.

NC- No criteria.

RRS- Georgia Hazardous Site Response Act (HSRA), Risk Reduction Standards

Exceedances of Type 1 RRS (on-Site) are denoted in red bold font.

APPENDICES

AUGUST 2013 SEMI-ANNUAL PROGRESS REPORT

NEWNAN LOFTS APARTMENT COMPLEX
(FORMER BIBB MILL)
NEWNAN, GEORGIA

Prepared For:

Newnan Lofts Limited Partnership

Prepared by:
Conestoga-Rovers & Associates

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Duluth, Georgia 30096

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AUGUST 2013
REF. NO. 051315 (9)

APPENDIX A

EPD CORRESPONDENCE

Reply To:
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East Tower
Atlanta, Georgia 30334-9000
Office 404/657-8600 Fax 404-657-0807

Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King, Jr. Dr., S.E., Suite 1066 East, Atlanta, Georgia 30334
Judson H. Turner, Director
Land Protection Branch
Keith M. Bentley, Branch Chief
Phone: 404/656-7802 FAX: 404/651-9425

May 9, 2013

VIA EMAIL & REGULAR MAIL

MAY 15 2013

Newnan Lofts Limited Partnership
c/o Mr. James R. Borders
817 West Peachtree Street NW, Suite 400
Atlanta, Georgia 30308

Re: February 2013 Semi-Annual Progress Report
Newnan Lofts Apartment Complex
110 Field Street, Newnan, Coweta County, Georgia

Dear Mr. Borders:

The Georgia Environmental Protection Division (EPD) has received the February 2013, 3rd Semi-Annual Progress Report (February 2013 Report), and the February 15, 2013, "Response to Comments" letter, which have both been submitted pursuant to the Georgia Voluntary Remediation Program Act (the Act) O.C.G.A. 12-8-100. After completing a review of the referenced documents, EPD has prepared the following comments:

1) EPD concurs that vertical delineation of soil impacts at the site for soil sample locations within the proposed excavation areas may be completed through confirmation samples following excavation activities.

2) According to Report documentation for the site, the proposed excavation activities indicate both relocation of the excavated materials to an onsite Type 5 area and disposal of excavated soils at an acceptable off-site permitted landfill. Please clarify which course of action, relocation or offsite disposal, will be implemented at the site regarding the excavated soils.

3) According to the February 2013 Report and "Response to Comments", additional soil data, property access documentation, and area averaging calculations were to be "presented under separate cover." As of May 9, 2013, EPD has not received a separate report with the referenced information. Please provide this additional information within the next semi-annual progress report.

4) Additional soil/sediment samples were previously requested from a number of locations at the site. Based on the data provided within the February 2013 Report, EPD still requires additional samples from the following areas to complete the horizontal and vertical delineation requirements for the regulated substances onsite and offsite. (Section 12-8-108 of the Act):

   a. Soil delineation/characterization samples should be collected from east of BH-31 (exposed soils east of the building), north of BH-26 beyond the parking lot and within the fence line, and north of BH-27 on the offsite property between the railroad tracks and the property line. Soil delineation activities north of BH-27 should also include characterizations of the soils/sediments within the drainage ditch. Please ensure that the approximate location/extent of this drainage ditch is illustrated on the applicable site figures.

b. Due to the confirmed impacts within the pond sediments, please collect sediment and surface water samples beyond the downstream outfall of the pond at the most probable sediment accumulation point. In addition, please ensure that an appropriate amount of sediment samples are analyzed for PAHs both from the pond and the outfall location, as the PAH data for sediment sample locations (SED-1 through SED-5) was not included in the February 2013 Report.

Risk Reduction Standards Comments

5) The Type 1/3 RRS for soil and groundwater provided on Table 1 (Appendix C) are acceptable for use at the site.

6) The proposed RRS provided on Table 1 (Appendix C) for surface water and sediment are appropriate for use at the site.

7) The Type 4 RRS for groundwater provided on Table 1 (Appendix C) are acceptable for use at the site.

8) Please note that if a regulated substance is not volatile the inhalation pathway should not be evaluated, and as a result the RRS calculated on Table 2 (Appendix C) for the non-volatile regulated substances should be revised where applicable.

9) The Type 4 RRS for soil provided on Table 1 (Appendix C) are acceptable for use at the site except for arsenic and lead. The final Type 4 RRS for arsenic should be based on the leaching value of 2.90E-01 mg/L. Additionally, the Type 4 RRS for lead should be based on the more conservative value of the RAGS equations, leaching value and the GA Adult Lead Model (GALM) value. The GALM value provided on Table 8 should use a default value of 15 ug/L for the lead concentration in groundwater. Please revise accordingly.

10) "Response to Comment 7" - The response is noted; however, EPD previously requested that the receptors name be changed to the "construction worker/excavation worker" as this scenario is more representative of acute exposure conditions. Additionally, although EPD approved the values provided on Table 3a (Appendix D) it was noted that the exposure factors used to derive the acute exposure values are based on an exposure duration of one year and an exposure frequency of 250 days/year, which is inconsistent with the exposure values provided. Therefore, the exposure factors should be revised to reflect the exposure assumptions used in the derivation of the acute based values. Please revise accordingly.

Responses to address EPD's comments may be incorporated into the next semi-annual progress report due August 15, 2013. Should you have any question or concerns, please contact Mr. Kevin Collins of the Response and Remediation Program at (404) 463-0530.

Sincerely,

David Brownlee
Unit Coordinator
Response and Remediation Program

c: Bob Pyle, CRA
Jim Vines, King & Spalding

File: VRP Application 1278434253 – Newnan Lofts Apartment Complex

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Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King, Jr. Dr., SE, Suite 1154, Atlanta, Georgia 30334-9000
Judson H. Turner, Director
Land Protection Branch
Keith M. Bentley, Branch Chief
Phone: 404/656-7802 FAX: 404/651-9425

June 11, 2013

RECORD OF COMMUNICATION – June 5, 2013 Meeting Minutes

Subject: Third Semi-Annual Voluntary Remediation Program (VRP) Progress Report
Newnan Lofts Apartment Complex, 110 Field Street, Newnan, Georgia

Attendance: Kevin Collins – Geologist, GA EPD Response and Remediation Program (RRP)
David Brownlee – Unit Coordinator, GA EPD RRP
Derrick Williams – Program Manager, GA EPD RRP
Jim Borders & Gardner Thompson, Novare Group, 404-815-1234
Les Oakes, King & Spalding, 404-572-3314
Bob Pyle, CRA, (770) 441-0027

References: February 15, 2013, Semi-Annual Progress Report, CRA
May 9, 2013, Third Semi-Annual Progress Report Comments, GA EPD

Comments:
EPD met with representatives for the above listed subject site, along with their consultant (CRA), in order to discuss the above referenced May 9, 2013, EPD Progress Report Comments. Based on the discussions held during the meeting, EPD has noted the following:

1) CRA indicated that a draft document detailing the area averaging approach would be provided to EPD within two weeks of the meeting. EPD indicated that the review of this draft document would be expedited in order to allow the ongoing site activities to incorporate any necessary additional soil removal activities.

2) EPD requested that a cost estimate for remaining corrective action activities, including post remediation operation/maintenance & monitoring, be provided along with all future report submittals (progress reports/CSR). EPD indicated that a financial assurance mechanism may not be required based on site conditions at the time of the final VRP CSR submittal.

3) EPD indicated that the denied attempts to gain access to the CSX owned property(ies) to the west of the site would need to be provided. EPD concurred that denied access to the properties to the north and west of the site, along with appropriate supporting documentation, would be sufficient to meet the offsite delineation requirements within the VRP Act.

4) Novare Group indicated that CSX is delaying the property transfer transaction for the property currently leased by Novare Group and located adjacent to the railroad tracks. Norvare Group indicated that ownership of the property would be granted once EPD has provided documentation that the site has met all VRP cleanup requirements. EPD indicated that they would work with the Novare Group and their legal representation during the "Release from the VRP Program" process to ensure that the needs of the site are met in regards to the Real Estate transaction with CSX.

5) EPD agreed that further communication with CRA representatives would be necessary regarding the onsite pond and the VRP CSR requirements for addressing the surface water/sediment exposure pathway that this pond represents. Further delineation requirements for the sediment and surface water will be based on these further discussions and additional document submittals by CRA/Novare Group.

Recommendation:
Review the draft area averaging document that will be provided by CRA, and schedule a conference call(s) with CRA representatives in order to discuss delineation requirements for the sediment/surface water in the onsite pond.

REVIEWED BY:_____ **DATE:**_____

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Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King, Jr. Dr., SE, Suite 1154 E, Atlanta, Georgia 30334-9000
Judson H. Turner, Director
Land Protection Branch
Phone: 404/656-7802 FAX: 404/651-9425

August 5, 2013

RECORD OF COMMUNICATION – July 3, 2013, Conference Call

Subject: Voluntary Remediation Program (VRP) Progress Reports
Newnan Lofts Apartment Complex, 110 Field Street, Newnan, Georgia

Attendance: Kevin Collins – Geologist, GA EPD Response and Remediation Program (RRP)
David Brownlee – Unit Coordinator, GA EPD RRP
Shannah Alexander – Unit Coordinator, GA EPD Risk Assessment Unit
Bob Pyle, Kandice Farris, Steve Jones, CRA, (770) 441-0027

References: February 14, 2013, 3rd Semi-Annual Progress Report, CRA
May 9, 2013, 3rd Semi-Annual Progress Report Comments, GA EPD
June 7, 2013, CRA Memorandum – Area Averaging Calculations

Comments:
EPD contacted the Conestoga-Rovers & Associates (CRA) representatives in order to discuss the above referenced documents for the Newnan Lofts Apartment Complex VRP Site. Based on the discussions held during the call, EPD has noted the following:

1) EPD did not concur with the area averaging methodology, and indicated that revised area averaging calculations would be necessary to demonstrate compliance with the established residential risk reduction standard for benzo(a)pyrene.

2) EPD did not concur with the proposed threshold effect concentration (TEC) of 129 mg/kg for lead in the sediments at the site (CRA, February 14, 2013). EPD indicated a value of 35.8 mg/kg could be used as TEC for the lead in sediments. Considering that lead has been detected in sediments at the site at values above the 35.8 mg/kg TEC and the US EPA established ecological screening value of 30.2 mg/kg, EPD indicated that further ecological risk assessments would need to be conducted, which may include further sediment/surface water sampling.

Recommendation:
Email correspondence and a copy of this July 3, 2013, Record of Communication have been sent to CRA representatives. The May 9, 2013, EPD Comments will be addressed by next scheduled Semi-Annual Progress Report/VRP Compliance Status Report.

Attachments:

- June 7, 2013, CRA Email submittal of the CRA Memorandum – "Area Averaging Calculations"
- June 29, 2013, GA EPD Email regarding ecological screening values
- August 5, 2013, GA EPD Email regarding area averaging & removal action recommendations.

REVIEWED BY: _____ **DATE:** 8/5/13

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Kevin Collins

From: Kevin Collins
Sent: Monday, August 05, 2013 9:08 AM
To: 'Pyle, Bob'
Cc: David Brownlee
Subject: RE: Newnan - Area Averaging

Bob,
As I indicated in our conversation this morning, I have taken a look at the data set you provided and have looked again at the available information for the site. The data set that I have been using for the site differs slightly from the one that you provided in the following ways: BH-10 through BH-12 was not used as it was assumed that this area would be considered a separate exposure domain, BH-14 was eliminated as this was a composite sample, 6 fill locations with a value of 41.3 were included in data set to account for the areas already excavated, and the Gamma UCL Statistics for Data Sets with Non-Detects was used to determine the 95% UCL. Based on this statistical run, it is recommended to remove/excavate the soil in 0-1' range for the HA-8 area and the BH-26 area (exposed soil island(s) in the parking lot) in order to get an area average value below the Type 1 for benzo(a)pyrene (1.64 mg/kg). Please let me know if you have any further questions or concerns. Also, we had previously requested on additional sample from the south end of the site. Please ensure to incorporate the results from this sample location into the revised area average calcuations. Thanks,

Kevin Collins
Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King Jr. Drive SE, Suite 1462 East
Atlanta, Georgia 30334
404-463-0530
kevin.collins@dnr.state.ga.us

From: Pyle, Bob [mailto:bpyle@craworld.com]
Sent: Thursday, August 01, 2013 4:52 PM
To: Kevin Collins
Subject: FW: Newnan - Area Averaging
Importance: High

Kevin: Would you have time for a brief discussion about this tomorrow? I need to resolve before the Semi-Annual report goes in and the equipment is demobilized. Thanks, Bob

---

From: Pyle, Bob
Sent: Wednesday, July 24, 2013 9:45 AM
To: Kevin Collins (Kevin.Collins@dnr.state.ga.us)
Subject: FW: Newnan - Area Averaging
Importance: High

Kevin: I realize you may not have had a chance to look at the spreadsheet yet but was curious about the question highlighted below – any thoughts? Thanks, bob

---

From: Pyle, Bob
Sent: Tuesday, July 09, 2013 1:52 PM

To: Kevin Collins (Kevin.Collins@dnr.state.ga.us)
Subject: Newnan - Area Averaging

Kevin: We re-ran the area averaging for the upper 1 foot of soils with all the prior data from the HA-8 Area averaged together – there were a large number of samples in this limited area so this seemed more appropriate than applying a small area to each sample. The sample average was inserted into the HA-8 area line. The exposure area average for the site is well below the RRS for all analytes – we do marginally exceed the RRS for benzo(a)pyrene at the 95% upper confidence limit. We have inserted the detection limit for all non-detect samples so have remained very conservative. Is this the approach that is taken on other sites or is it more appropriate to use half the detection limit? It wouldn't take much to put us under even at the 95% UCL – we have placed the Type 5 surface treatment around the tree at the south end of the BH-8 area – would this be an option for the HA-8 area since most of this is landscaped with shrubs and bushes so is not a prime walking area? The BH-26 area (island in the north parking lot) is similar but there we could easily remove the top foot of soil if needed. Let me know if you would have a moment to discuss. Thanks, Bob

R. T. (Bob) Pyle, P. Eng. (Ont.)
Conestoga-Rovers & Associates
3075 Breckinridge Blvd., Suite 470
Duluth, GA 30096
Phone: 770-441-0027
Mobile: 770-861-6441

ALWAYS Do Every Task the Right Way, Every Time

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Kevin Collins

From: Shanna Alexander
Sent: Friday, June 28, 2013 4:00 PM
To: Kevin Collins
Subject: RE: Meeting on Monday

A site-specific ecological risk assessment would entail calculating a hazard quotient (HQ) for each PAH and then summing the HQs to produce a hazard index, which is a measure of the worse case estimated hazard of the sediment PAH to benthic invertebrates. This is needed to support the conclusion that lead and PAHs in sediment present negligible ecological risk to benthic organisms (i.e., an HI<1). Although pyrogenic PAHs tend to have low bioavailability in sediments, PAHs associated with petroleum, creosote and coal tar tend to have moderate bioavailability especially if the PAHs are a part of a NAPL phase that is in contact with sediment pore water. Whether or not they will need additional samples depend on whether they plan on computing a statistical exposure point concentration. From the pages you provided, they only have 5 sediment samples biased toward the western portion of the pond. They will need at least 10 to compute robust statistics. Otherwise, they can choose to set the EPC to the maximum sediment concentration. Also, have the offsite stream surface water and sediment been characterized?

With regards to lead, I researched the MacDonald et al (2000) paper earlier this morning and the site characteristics of the pond at Newman Loft is similar in terms of it being a freshwater environment with similar benthic invertebrates and terrestrial habitat to the MacDonald study. I also like that they were based on a large pool of data. However, the value cited in that paper was similar to the sediment ESV of 30.2 mg/kg. MacDonald et al (2000) reported a TEC of 35.8 mg/kg, which means they still exceed the benchmark for lead (max sed conc of 104 mg/kg). So not sure where the site obtained the 129 mg/kg value. We may need them to provide us the source. They can also use the MacDonald consensus-based TECs for PAHs as an acceptable benchmark for screening freshwater sediment for risk to benthic organisms. However, the negligible concentration derived in the Netherlands paper is not applicable to this site and should not be considered.

Here are the TECs for the PAHs (in µg/kg DW):

Anthracene - 57.2
Fluorene - 77.4
Chrysene - 166
Naphthalene - 176
Dibenz[a,h]anthracene - 33.0
Phenanthrene - 204
Fluoranthene - 423
Benz[a]anthracene - 108
Pyrene - 195
Benzo(a)pyrene - 150
Total PAHs 1,610

We can talk more about this on Monday if needed.

Shanna

From: Kevin Collins
Sent: Thursday, June 27, 2013 3:57 PM
To: Shanna Alexander
Subject: Meeting on Monday

Kevin Collins

From: Pyle, Bob <bpyle@craworld.com>
Sent: Friday, June 07, 2013 4:38 PM
To: Kevin Collins
Cc: Jim Borders (JBorders@novaregroup.com); Gardiner Thompson (GThompson@novaregroup.com); Oakes, Les (LOakes@KSLAW.com); Ferris, Kandice
Subject: Newnan Lofts Apartment Complex - Memorandum Area Averaging Calculations with Upper Confidence Limit and Excavation Plan - June 7, 2013 - CRA #051315-MEMO-1
Attachments: 051315-MEMO-1.pdf

Kevin: Thanks again for taking the time to meet with us earlier this week. As discussed, we have attached a Memorandum describing the process and results of the exposure area averaging performed for Newnan Lofts. Please feel free to contact me or Kandice if you have any questions. Also, I will arrange a call with Steve Jones for next week to discuss the ecological screening results from the pond – please provide some preferred times and I will coordinate with Steve.

Have a good weekend. Bob

R. T. (Bob) Pyle, P. Eng. (Ont.)
Conestoga-Rovers & Associates
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Phone: 770-441-0027
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MEMORANDUM

TO:	Kevin Collins Georgia, Environmental Protection Division	REF. NO.:	051315
FROM:	Bob Pyle/tb/1/ Kandice Ferris/	DATE:	June 7, 2013
CC:	Les Oakes, King & Spalding James R. Borders, Newnan Lofts, LP Gardiner Thompson, Newnan Lofts, LP		
RE:	**Area Averaging Calculations with Upper Confidence Limit and Excavation Plan Former Bibb Mill, Newnan Lofts Apartment Complex**		

Conestoga-Rovers & Associates, Inc. (CRA) has developed the following rational regarding the calculations of the area averaging utilizing a 95% upper confidence limit. The calculations were used to confirm the areas of the Newnan Lofts Apartment Complex (Site) to be excavated during the Site restoration activities. This scope of work includes excavating soil in the range of 0 to 2 feet below ground surface (ft bgs). Areas to be excavated and restored with imported fill are illustrated on Figure 1 and Figure 2 for the 0 to 1 foot depth interval and 1 to 2 foot depth interval, respectively. As discussed, the area averaging has been applied to post-excavation and restoration Site conditions. The following sections provide greater detail on the area averaging calculations and the scope of work for the excavation.

1.0 AREA AVERAGING

Area averaging calculations are used to estimate the average concentrations of particular elements or chemical compounds across a site. These concentrations are compared to soil risk reduction standards (RRS) to evaluate the potential risk of exposure to the soil. The individual concentrations are averaged across the entire site using a weighted average. A weighted average or weighted mean is a statistical method used to calculate the mean of a set of values where each value has a different "weight" or multiplier. In area averaging, the "weight" is area, so each sample location has a representative area which is multiplied by the observed chemical concentration. The sum of these products (areas x concentrations) is then divided by the total area to give a weighted mean of the concentration of the analyte across the entire Site. This process is shown in mathematical form below:

$$\bar{x} = \frac{(A_1 * C_1) + (A_2 * C_2) + (A_3 * C_3) \ldots + (A_n * C_n)}{A_1 + A_2 + A_3 \ldots + A_n}$$

Where:

$\bar{x} = Weighted\ Mean$

$A_1 = Area\ associated\ with\ sample\ \#1$

$C_1 = Concentration\ in\ sample\ \#1$

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Area averages were calculated for two depth intervals across the Site; 0 to 1 ft bgs and 1 to 2 ft bgs. These intervals were used to evaluate the surface soil concentrations to compare them with the RRS.

1.1 SAMPLING RESULTS

Soil data for chemicals of concern (COCs) are available from the various sampling events including the Geo-Hydo soil borings (2007, 2008) and CRA borings from April/May 2008, November 2010, February 2012, and November 2012. All areas sampled during or prior to 2008 which exceeded applicable RRS were previously excavated; therefore these data have been excluded from the calculations. Samples were collected in December 2012 from a soil stockpile that is being used for fill replacement during the Site restoration activities. The data used for the area averaging calculations are located in Table 1 and Table 2. Subsets of the data were created to only show data from the specified interval (i.e., 0 to 1 ft bgs or 1 to 2 ft bgs) that have not been excavated and are not planned to be excavated in the future. For any data reported as estimated values ("J"-qualified), the reported estimated value was used in the area averaging calculations.

1.2 AREA CALCULATION

A representative area was assigned to each sample location, and is shown in Figure 1 and Figure 2 for the o to 1 foot interval and 1 to 2 foot interval respectively. The borders of the areas were drawn to be half the distance to the nearest sample location or the nearest limit of the ground surface (i.e., building wall, paved surface or property boundary). Parts of the Site covered with asphalt, concrete or an existing structure were not included in the calculations, as no soil exposure risk exists for such areas Type 5 RRS areas). Sample results from areas where excavation is planned or has been conducted have been replaced by analytical data from the new fill material stockpile (i.e., replacing the excavated soils). The sample areas were all generated from a scaled figure, and were rounded to the nearest 50 square feet.

1.3 UPPER CONFIDENCE LIMITS (UCLS)

Since an average based on a number of samples from a given population (in this case, the population of all soil within the selected exposure areas on the Site) is an estimate of the true population mean, and will vary slightly if another set of samples was collected, it is useful to calculate a statistical upper confidence limit (UCL) on the population mean. For the current evaluation, 95 percent UCLs on each COC area average were generated. These values represent upper bounds on the true population mean, with 95 percent confidence, and are consistent with common approaches used in evaluating exposure risks at environmental sites.

Calculation methodologies for generating UCLs are presented in considerable detail in USEPA's ProUCL Technical Guide (2010)[1]. In order to calculate a UCL, the weighted area averages discussed above were used, along with the number of samples used to compute these averages, and weighted standard deviations for each COC. The weighted standard deviation (s_w) is available from the following equation (from NIST's DATAPLOT Reference Manual, September 3, 1996)[2]:

---

1 USEPA, May 2010. ProUCL Version 4.1.00 Technical Guide (Draft). United States Environmental Protection Agency, Office of Research and Development, Washington DC. EPA/600/R-07/041.

2 http://www.itl.nist.gov/div898/software/dataplot/refman2/ch2/weightsd.pdf, accessed March 8th, 2013.

$$s_w = \sqrt{\frac{\sum_{i=1}^{N} A_i (C_i - \bar{x}_w)^2}{[(N' - 1) \sum_{i=1}^{N} A_i]/N'}}$$

Where:

$\bar{x}_w$ = *Weighted area average*
A_i = *Area associated with sample i*
C_i = *Concentration in sample i*
N' = *Total number non-zero weights (i.e., the number of sample areas used)*

1.4 RESULTS

There were no results above the Type 1 RRS when the exposure area averaging with the 95% UCL was applied. This model represents the post-remediation conditions at the Site.

FIGURES

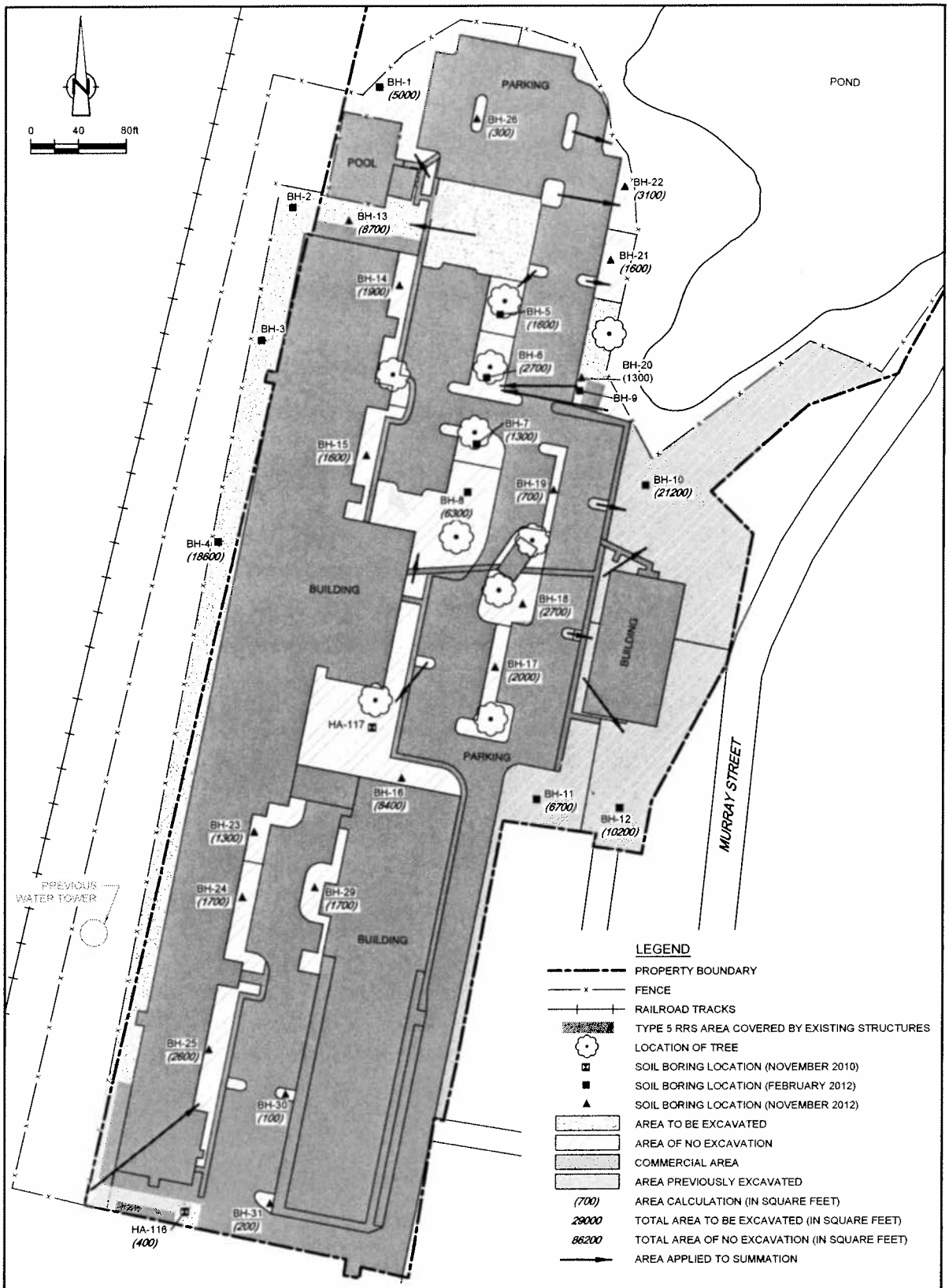

figure 1

SOIL AVERAGING (0-1 FOOT INTERVAL)
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(MEMO001)GN-WA001 APR 25/2013

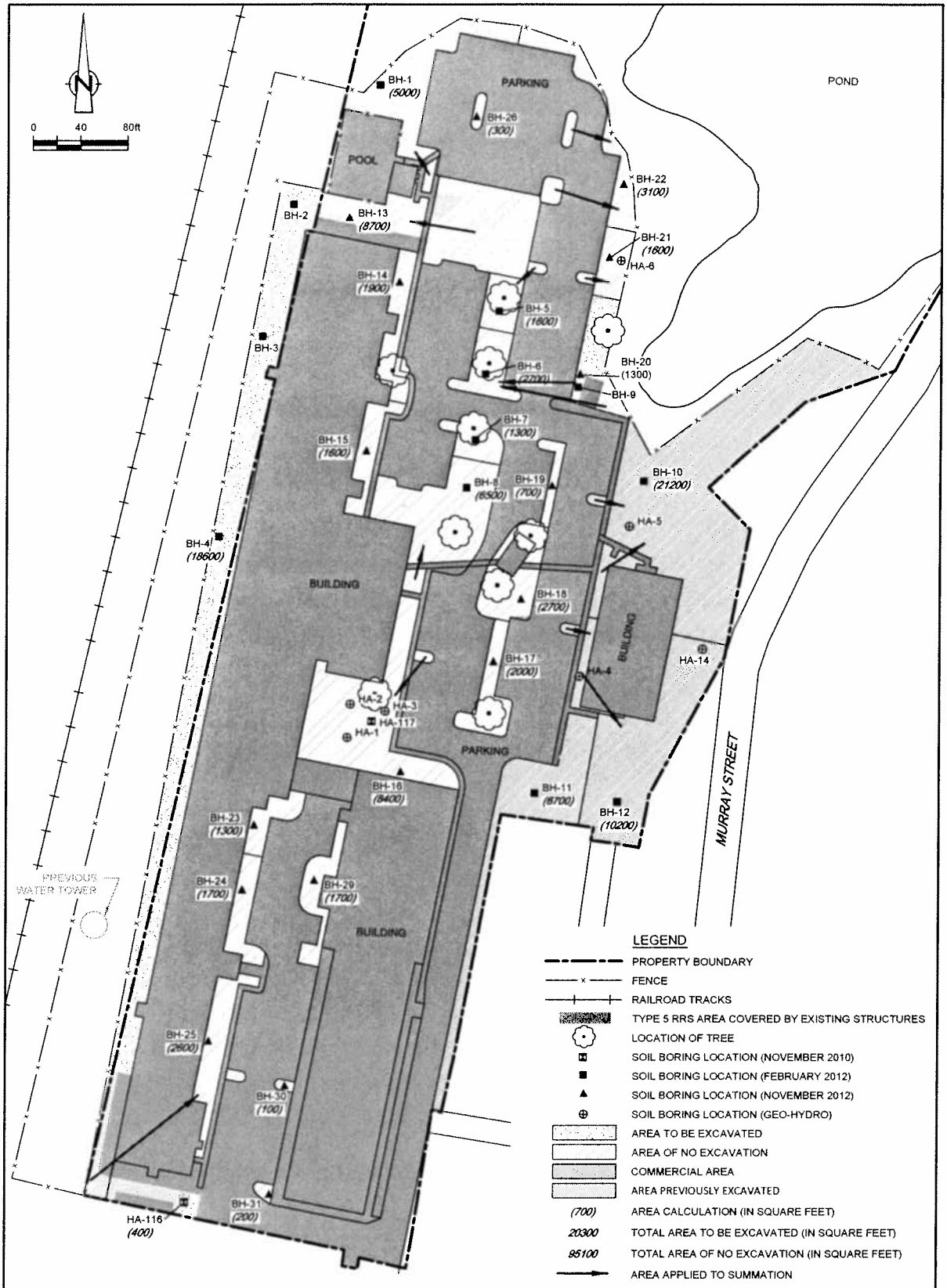

figure 2

SOIL AVERAGING (1-2 FOOT INTERVAL)
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(MEMO001)GN-WA002 APR 25/2013

TABLES

TABLE 1
AREA AVERAGING WITH UCL (0-1 ft bgs)
NEWNAN LOFTS
APRIL 2013

						Total Site							
						B[a]A ug/kg	B[a]P ug/kg	B[b]F ug/kg	B[k]F ug/kg	Chrysene ug/kg	Indeno ug/kg	Arsenic mg/kg	Lead mg/kg
					Type 1 RRS	5000	1640	5000	5000	5000	5000	20	75
					Representative Area (ft^2)	113900	113900	113900	113900	113900	113900	113900	113900
					Weighted Average	1066	1009	1283	532	1082	681	6.76	39.8
					Weighted Standard Deviation	1523	1408	1826	535	1510	778	7.73	44.2
					Number of Observations	24	24	24	24	24	24	24	24
					UCL Confidence Level (1-sided)	95%	95%	95%	95%	95%	95%	95%	95%
					Student's t statistic	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
					UCL	1599	1502	1922	719	1610	953	9.5	55.3
Location ID	Future Land Use	Sample Name	Sample Date	Sample Depth	Area Weight (ft^2)								
BH-1		S-021012-BLL-001	2/10/2012	0-1 ft BGS	5000	370	370	380	370	370	370	5.27	21.9
BH-5		S-021012-BLL-013	2/10/2012	0-1 ft BGS	1600	2500	2500	2500	1200	2800	1400	7.91	76
BH-6		S-021012-SAG-017	2/10/2012	0-1 ft BGS	2700	820	700	870	460	920	500	6.88	26.7
BH-7		S-021012-SAG-020	2/10/2012	0-1 ft BGS	1300	1200	1200	1600	770	1600	860	5.36	34.3
BH-8		S-021012-SAG-023	2/10/2012	0-1 ft BGS	6300	3800	3800	4600	1800	4300	2600	12.7	146
BH-10 (Compiled)	Comm.	S-021012-SAG-029	2/10/2012	0-1 ft BGS	21200	1600	1500	2100	620	1600	1000	5.3	42.1
BH-11	Comm.	S-021012-SAG-032	2/10/2012	0-1 ft BGS	6700	410	410	470	410	410	410	5.83	19.9
BH-12 (Compiled)	Comm.	S-021012-SAG-035	2/10/2012	0-1 ft BGS	10200	380	380	380	380	380	380	5.71	31.6
BH-14 (Composite)		S-051315-111912-SAG-003	11/19/2012	0-1 ft BGS	1900	7500	7500	9200	2200	7500	3700	5.74	80.1
BH-15		S-051315-111912-SAG-006	11/19/2012	0-1 ft BGS	1600	4600	4400	5600	1400	4100	2300	6.22	117
BH-16 (Compiled)		S-051315-111912-SAG-008	11/19/2012	0-1 ft BGS	8400	400	400	400	400	400	400	5.73	30.7
BH-17		S-051315-111912-SAG-010	11/19/2012	0-1 ft BGS	2000	400	400	400	400	400	400	5.98	19.6
BH-18		S-051315-111912-SAG-012	11/19/2012	0-1 ft BGS	2700	400	400	400	400	400	400	5.83	24.1
BH-19		S-051315-111912-SAG-014	11/19/2012	0-1 ft BGS	700	1600	1500	2200	79	1600	860	17.5	62.6
BH-21 (Compiled)		S-051315-111912-SAG-018	11/19/2012	0-1 ft BGS	1600	370	370	370	370	370	370	5.4	22.6
BH-22		S-051315-111912-SAG-020	11/19/2012	0-1 ft BGS	3100	1100	930	1400	440	1100	610	5.81	43.4
BH-23 (Compiled)		S-051315-112012-SAG-027	11/19/2012	0-1 ft BGS	1300	2800	2300	3600	950	2600	1200	5.41	52
BH-24		S-051315-112012-SAG-030	11/20/2012	0-1 ft BGS	1700	2500	2100	3000	680	2400	1200	5.56	49
BH-25		S-051315-112012-SAG-032	11/20/2012	0-1 ft BGS	2600	390	380	480	790	360	390	5.31	22.4
BH-26		S-051315-112012-SAG-022	11/20/2012	0-1 ft BGS	300	12000	10000	13000	390	11000	3300	5.52	21.9
BH-29		S-051315-112012-SAG-034	11/20/2012	0-1 ft BGS	1700	380	380	430	2300	380	380	5.67	12.5
BH-30		S-051315-112012-SAG-036	11/20/2012	0-1 ft BGS	100	390	390	390	380	390	390	5.8	15
BH-31		S-051315-112012-SAG-038	11/20/2012	0-1 ft BGS	200	2600	2400	3400	390	2400	1200	5.76	31.2
AVG Fill					29000	41.3	41.3	41.3	41.3	41.3	41.3	2.79	13.3

Notes:

Representative areas are approximate

The full PDL or Reporting Limit was used to estimate a non-detect

J values were used and assumed to be correct

1600 = exceedance of Type 1 RRS

UCL = Upper Confidence Limit on the poplulation mean.

UCLs have been calculated assuming a normal (gaussian) data distribution.

(Compiled)s represent highest values from each attributible sample

BH-23 includes highest values from BH-23 & BH-23 Duplicate

BH-16 includes highest values from BH-16 & 14A-117

		Total Area Not Excavated	Area To Excavate (Fill)	Previously Excavated	Total ft²
Representative Area	(ft^2)	84900	29000	2200	116100

	Units	Type 1 RRS	Area Weighted Average	Area Weighted UCL
Benzo(a)anthracene	ug/kg	5000	1066	1599
Benzo(a)pyrene	ug/kg	1640	1009	1502
Benzo(b)fluoranthene	ug/kg	5000	1283	1922
Benzo(k)fluoranthene	ug/kg	5000	532	719
Chrysene	ug/kg	5000	1082	1610
Indeno(1,2,3-cd)pyrene	ug/kg	5000	681	953
Arsenic	mg/kg	20	6.8	9.5
Lead	mg/kg	75	40	55

TABLE 2
AREA AVERAGING WITH UCL (1-2 ft bgs)
NEWNAN LOFTS
APRIL 2013

						Total Site							
						B[a]A	B[a]P	B[b]F	B[k]F	Chrysene	I[1,2,3-cd]P	Arsenic	Lead
						ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/kg
					Type 1 RRS	5000	1640	5000	5000	5000	5000	20	75
					Representative Area (ft²)	114100	114100	114100	114100	114100	114100	114100	114100
					Weighted Average	953	896	1134	460	937	518	7.50	29.0
					Weighted Standard Deviation	1387	1251	1572	427	1355	465	6.11	18.0
					Number of Observations	25	25	25	25	25	25	25	25
					UCL Confidence Level (1-sided)	95%	95%	95%	95%	95%	95%	95%	95%
					Student's t statistic	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
					UCL	**1428**	**1324**	**1672**	**606**	**1401**	**677**	**9.6**	**35.2**
Location ID	*Future Land Use*	*Sample Name*	*Sample Date*	*Sample Depth*	*Area Weight (ft²)*								
BH-1		*S-021012-BLL-002*	*2/10/2012*	*1-2 ft BGS*	*5000*	410	410	410	410	410	410	5.82	10.8
BH-5		*S-021012-BLL-014*	*2/10/2012*	*1-2 ft BGS*	*1600*	380	380	380	380	380	380	5.69	10.2
BH-6		*S-021012-SAG-018*	*2/10/2012*	*1-2 ft BGS*	*2700*	4200	3900	4700	1700	4500	2000	5.88	627
BH-7		*S-021012-SAG-021*	*2/10/2012*	*1-2 ft BGS*	*1300*	370	370	370	370	370	370	5.66	7.5
BH-8		*S-021012-SAG-030*	*02-10-2012*	*1-2 ft BGS*	*6500*	540	510	630	410	640	410	25.2	40.6
BH-10 (Compiled)	*Comm.*	*S-021012-SAG-030*	*2/10/2012*	*1-2 ft BGS*	*21200*	1100	990	1400	480	1100	660	5.83	44.2
BH-11	*Comm.*	*S-021012-SAG-033*	*2/10/2012*	*1-2 ft BGS*	*6700*	400	400	400	400	400	400	5.91	24.7
BH-12 (Compiled)	*Comm.*	*S-021012-SAG-036*	*2/10/2012*	*1-2 ft BGS*	*10200*	390	390	390	390	390	390	5.81	17.7
BH-13		*S-051315-111912-SAG-002*	*11/19/2012*	*1-2 ft BGS*	*8700*	1300	1300	1700	520	1200	710	5.46	17.4
BH-14 (Composite)		*S-051315-111912-SAG-005*	*11/19/2012*	*1-2 ft BGS*	*1900*	1100	970	1300	430	960	490	6.03	11.8
BH-15		*S-051315-111912-SAG-007*	*11/19/2012*	*1-2 ft BGS*	*1600*	1500	1500	1900	590	1300	790	5.49	36.4
BH-16 (Compiled)		*S-051315-111912-SAG-009*	*11/19/2012*	*1-2 ft BGS*	*8400*	410	410	410	410	410	410	28	17.3
BH-17		*S-051315-111912-SAG-011*	*11/19/2012*	*1-2 ft BGS*	*2000*	540	530	700	390	520	390	8.53	37.6
BH-18		*S-051315-111912-SAG-013*	*11/19/2012*	*1-2 ft BGS*	*2700*	480	470	680	390	490	390	5.85	34.7
BH-19		*S-051315-111912-SAG-015*	*11/19/2012*	*1-2 ft BGS*	*700*	1400	1400	1800	530	1400	730	4.95	61.6
BH-21 (Compiled)		*S-051315-111912-SAG-019*	*11/19/2012*	*1-2 ft BGS*	*1600*	670	700	940	360	690	370	12.6	54.6
BH-22		*S-051315-111912-SAG-021*	*11/19/2012*	*1-2 ft BGS*	*3100*	650	640	820	380	640	380	5.53	48.3
BH-23 (Compiled)		*S-051315-112012-SAG-029*	*11/19/2012*	*1-2 ft BGS*	*1300*	2600	2600	10000	3100	9700	2500	5.59	34.8
BH-24		*S-051315-112012-SAG-031*	*11/20/2012*	*1-2 ft BGS*	*1700*	4700	4300	7500	1600	5200	2400	5.42	80.3
BH-25		*S-051315-112012-SAG-033*	*11/20/2012*	*1-2 ft BGS*	*2600*	2300	2100	2900	780	2200	760	5.35	32.8
BH-26		*S-051315-112012-SAG-023*	*11/20/2012*	*1-2 ft BGS*	*300*	380	380	520	360	370	360	5.47	24.6
BH-29		*S-051315-112012-SAG-035*	*11/20/2012*	*1-2 ft BGS*	*1700*	2700	2600	3500	920	2400	370	5.2	34.6
BH-30		*S-051315-112012-SAG-037*	*11/20/2012*	*1-2 ft BGS*	*100*	2600	2700	3000	840	2200	1100	5.5	37.1
BH-31		*S-051315-112012-SAG-039*	*11/20/2012*	*1-2 ft BGS*	*200*	2800	2500	3200	930	2600	1400	5.58	52
AVG Fill					*20300*	41.3	41.3	41.3	41.3	41.3	41.3	2.79	13.3

Notes:

Representative areas are approximate

BH-9 and BH-20's values were averaged

PAH's for HA-117 were not analyzed, but are assumed to be equal to BH-16

The full PDL or Reporting Limit was used to estimate a non-detect

J values were used and assumed to be correct

7880 **-exceedance of Type 1 RRS**

UCL = Upper Confidence Limit on the popluation mean.

UCLs have been calculated assuming a normal (gaussian) data distribution.

(Composite)s represent highest values from each attributible sample

BH-10 includes highest values from BH-10 & HA-5

BH-12 includes highest values from BH-12 & HA-14

BH-16 includes highest values from BH-16,HA-1, HA-2, HA-3 & HA-117

BH-21 includes highest values from BH-21 & HA-6

		Total Area Not Excavated	Area To Excavate (Fill)	Previously Excavated	Total ft²
Representative Area	*(ft²)*	93800	20300	2000	116100

	Units	*Type 1 RRS*	*Area Weighted Average*	*Area Weighted UCL*
Benzo(a)anthracene	*ug/kg*	5000	953	*1428*
Benzo(a)pyrene	*ug/kg*	1640	896	*1324*
Benzo(b)fluoranthene	*ug/kg*	5000	1134	*1672*
Benzo(k)fluoranthene	*ug/kg*	5000	460	*606*
Chrysene	*ug/kg*	5000	937	*1401*
Indeno(1,2,3-cd)pyrene	*ug/kg*	5000	518	*677*
Arsenic	*mg/kg*	20	7.5	*10*
Lead	*mg/kg*	75	29	*35*

APPENDIX B

LAB REPORTS, DATA VALIDATION

CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO: Bob Pyle; Brian Leroy

REF. NO.: 51315

FROM: Paul McMahon/bjw/4

DATE: May 23, 2013

RE: **Analytical Results and Reduced Validation**
Surface Water Investigation
King and Spalding LLC
Newnan, Georgia
May 2013

E-Mail and Hard Copy if Requested

INTRODUCTION

The following document details a reduced validation of analytical results for surface water samples collected in support of the surface water investigation at the Newnan, Georgia Site in May 2013. Samples were submitted to Analytical Environmental Services, Inc. (AES) located in Atlanta, Georgia. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, duplicate data, recovery data from laboratory control samples (LCS), and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the document entitled "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", February 1994, USEPA 540/R-94/013 ("Guidelines").

SAMPLE HOLDING TIME AND PRESERVATION

The sample holding time criteria for the analyses is summarized in Table 3. The sample chain of custody document and the analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved and delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

LABORATORY METHOD BLANK ANALYSES

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

For this study, laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

The LCS contained all analytes of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

LABORATORY DUPLICATE ANALYSES

To assess analytical precision, laboratory duplicate analyses were performed for total suspended solids internally by the laboratory. Laboratory duplicate analyses were assessed per the "Guidelines".

All duplicate analyses performed were acceptable, demonstrating good analytical precision.

FIELD QA/QC SAMPLES

The field QA/QC consisted of one field duplicate sample set.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the practical quantitation limit (PQL), the evaluation criterion is one times the PQL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

CONCLUSION

Based on this assessment of the information provided, the data produced by AES were found to exhibit acceptable levels of accuracy and precision and may be used without qualification.

TABLE 1

SAMPLING AND ANALYSIS SUMMARY
SURFACE WATER INVESTIGATION
KING AND SPALDING LLC
NEWNAN, GEORGIA
MAY 2013

				Analysis/Parameters			
Sample ID	*Location ID*	*Collection Date*	*Collection Time*	*TSS*	*Hardness*	*Total/Dissolved Lead*	*Comments*
SW-050113-BLL-001	SW-1	5/1/2013	13:25	X	X	X	
SW-050113-BLL-002	SW-2	5/1/2013	13:50	X	X	X	
SW-050113-BLL-003	SW-2	5/1/2013	14:00	X	X	X	Duplicate of SW-050113-BLL-002
SW-050113-BLL-004	SW-3	5/1/2013	14:25	X	X	X	

Note:

TSS Total Suspended Solids.

TABLE 2

ANALYTICAL RESULTS SUMMARY
SURFACE WATER INVESTIGATION
KING AND SPALDING LLC
NEWNAN, GEORGIA
MAY 2013

	Sample Location:	*SW-1*	*SW-2*	*SW-2*	*SW-3*
	Sample Name:	*SW-050113-BLL-001*	*SW-050113-BLL-002*	*SW-050113-BLL-003*	*SW-050113-BLL-004*
	Date:	*5/1/2013*	*5/1/2013*	*5/1/2013*	*5/1/2013*
				Duplicate	
	Units				
Metals					
Lead	µg/L	7.79	9.87	9.48	7.16
Lead (dissolved)	µg/L	2.05	3.20	3.12	1.82
General Chemistry					
Hardness	mg/L	41.0	44.8	43.6	39.8
Total suspended solids (TSS)	mg/L	6.0	12.0	15.5	7.5

TABLE 3

SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHODS SUMMARY
SURFACE WATER INVESTIGATION
KING AND SPALDING LLC
NEWNAN, GEORGIA
MAY 2013

Parameter	*Analytical Method*	*Collection to Analysis (Days)*
Metals	6020A [1]	180
Hardness	SM 2340B [2]	180
TSS	SM 2540D [2]	7

Notes:

[1] Referenced from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.

[2] Referenced from "Standard Methods for the Examination of Water and Wastewater," 18th and 20th Edition.

TSS Total Suspended Solids.

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 14, 2013

Bob Pyle
Conestoga, Rovers, & Associates, Inc.
3075 Breckenridge Blvd, Suite 470
Duluth GA 30096

TEL: (770) 441-0027
FAX: (770) 441-2050

RE: King & Spalding - Newnan Lofts

Dear Bob Pyle: Order No: 1305115

Analytical Environmental Services, Inc. received 4 samples on 5/1/2013 3:45:00 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 07/01/12-06/30/13.
-AIHA-LAP, LLC Laboratory 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.

CRKanhai

Chantelle Kanhai
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: 1305115

Date: 5/1/13 Page 1 of 1

COMPANY: Langstaff - Rowers and Ass.

ADDRESS: 3075 Breckinridge Blvd Ste 420 Duluth, GA 30096

PHONE: 770-441-0027

FAX:

SAMPLED BY: Bo Leroy

SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TSS	Total metals	Diss metals	Hardness	Residue	REMARKS	No # of Containers
	PRESERVATION (See codes)							N	N	N			
1	SW-050113-BLL-001	5/1/13	1325	X		SW	X	X	X	X	X		3
2	-002	"	1350	"		"	"	"	"	"	"		3
3	-003	"	1400	"		"	"	"	"	"	"		3
4	-004	"	1425	"		"	"	"	"	"	"		3
5													
6													
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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:	5/1/13 15:40	1:	5/1/13 @ 3:45
2:		2:	
3:		3:	

PROJECT INFORMATION
PROJECT NAME: Newra Lofts
PROJECT #: 051315
SITE ADDRESS: 110 Field St Newra, GA
SEND REPORT TO: bleroy@crawrld.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 12

Turnaround Time Request
- [X] 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: See SSOW

SHIPMENT METHOD
OUT / / VIA:
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:** 14-May-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SW-050113-BLL-001
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	5/1/2013 1:25:00 PM
Lab ID:	1305115-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020A				**(SW3005A)**				
Lead	7.79	1.00		ug/L	175619	1	05/03/2013 19:31	JY
Residue,Suspended(TSS)(E160.2/SM2540D)								
Residue, Suspended (TSS)	6.0	5.0		mg/L	175581	1	05/02/2013 14:34	DM
HARDNESS SM2340 B				**(SM2340B)**				
Hardness, Calcium/Magnesium (As CaCO3)	41.0	1.00		mg/L CaCO3	175619	1	05/03/2013 00:00	JY
Dissolved Metals by ICP/MS SW6020A				**(SW3005A)**				
Lead	2.05	1.00		ug/L	175599	1	05/03/2013 15:56	JY

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:** 14-May-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SW-050113-BLL-002
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	5/1/2013 1:50:00 PM
Lab ID:	1305115-002	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020A					**(SW3005A)**			
Lead	9.87	1.00		ug/L	175619	1	05/03/2013 19:36	JY
Residue,Suspended(TSS)(E160.2/SM2540D)								
Residue, Suspended (TSS)	12.0	5.0		mg/L	175581	1	05/02/2013 14:35	DM
HARDNESS SM2340 B					**(SM2340B)**			
Hardness, Calcium/Magnesium (As CaCO3)	44.8	1.00		mg/L CaCO3	175619	1	05/03/2013 00:00	JY
Dissolved Metals by ICP/MS SW6020A					**(SW3005A)**			
Lead	3.20	1.00		ug/L	175599	1	05/03/2013 16:02	JY

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:** 14-May-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SW-050113-BLL-003
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	5/1/2013 2:00:00 PM
Lab ID:	1305115-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020A				**(SW3005A)**				
Lead	9.48	1.00		ug/L	175619	1	05/03/2013 19:42	JY
Residue,Suspended(TSS)(E160.2/SM2540D)								
Residue, Suspended (TSS)	15.5	5.0		mg/L	175581	1	05/02/2013 14:38	DM
HARDNESS SM2340 B				**(SM2340B)**				
Hardness, Calcium/Magnesium (As CaCO3)	43.6	1.00		mg/L CaCO3	175619	1	05/03/2013 00:00	JY
Dissolved Metals by ICP/MS SW6020A				**(SW3005A)**				
Lead	3.12	1.00		ug/L	175599	1	05/03/2013 16:38	JY

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:** 14-May-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SW-050113-BLL-004
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	5/1/2013 2:25:00 PM
Lab ID:	1305115-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Metals by ICP/MS SW6020A					**(SW3005A)**			
Lead	7.16	1.00		ug/L	175619	1	05/03/2013 19:48	JY
Residue,Suspended(TSS)(E160.2/SM2540D)								
Residue, Suspended (TSS)	7.5	5.0		mg/L	175581	1	05/02/2013 14:38	DM
HARDNESS SM2340 B					**(SM2340B)**			
Hardness, Calcium/Magnesium (As CaCO3)	39.8	1.00		mg/L CaCO3	175619	1	05/03/2013 00:00	JY
Dissolved Metals by ICP/MS SW6020A					**(SW3005A)**			
Lead	1.82	1.00		ug/L	175599	1	05/03/2013 16:44	JY

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 Cone Loga Work Order Number 1305115

Checklist completed by M 5/1/13
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 3.1° 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 MJ

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

Client: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1305115

ANALYTICAL QC SUMMARY REPORT

BatchID: 175581

Sample ID: **MB-175581**	Client ID:				Units: **mg/L**		Prep Date: **05/02/2013**		Run No: **243242**
SampleType: **MBLK**	TestCode: **Residue,Suspended(TSS)(E160.2/SM2540D)**				BatchID: **175581**		Analysis Date: **05/02/2013**		Seq No: **5093058**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Residue, Suspended (TSS)	BRL	5.0	0	0	0	0	0	0	0	0	

Sample ID: **1305103-001BDUP**	Client ID:				Units: **mg/L**		Prep Date: **05/02/2013**		Run No: **243242**
SampleType: **DUP**	TestCode: **Residue,Suspended(TSS)(E160.2/SM2540D)**				BatchID: **175581**		Analysis Date: **05/02/2013**		Seq No: **5093061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Residue, Suspended (TSS)	154.7	13.3	0	0	0	0	0	154.7	0	5	

Sample ID: **1305115-002CDUP**	Client ID: **SW-050113-BLL-002**				Units: **mg/L**		Prep Date: **05/02/2013**		Run No: **243242**
SampleType: **DUP**	TestCode: **Residue,Suspended(TSS)(E160.2/SM2540D)**				BatchID: **175581**		Analysis Date: **05/02/2013**		Seq No: **5093073**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Residue, Suspended (TSS)	12.00	5.0	0	0	0	0	0	12.00	0	5	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1305115

ANALYTICAL QC SUMMARY REPORT

BatchID: 175599

Sample ID: **MB-175599** Client ID: Units: **ug/L** Prep Date: **05/03/2013** Run No: **243359**
SampleType: **MBLK** TestCode: **Dissolved Metals by ICP/MS SW6020A** BatchID: **175599** Analysis Date: **05/03/2013** Seq No: **5095100**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	1.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-175599** Client ID: Units: **ug/L** Prep Date: **05/03/2013** Run No: **243359**
SampleType: **LCS** TestCode: **Dissolved Metals by ICP/MS SW6020A** BatchID: **175599** Analysis Date: **05/03/2013** Seq No: **5095098**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	92.73	1.00	100.0	0.1950	92.5	80	120	0	0	0	

Sample ID: **1304P87-001AMS** Client ID: Units: **ug/L** Prep Date: **05/03/2013** Run No: **243359**
SampleType: **MS** TestCode: **Dissolved Metals by ICP/MS SW6020A** BatchID: **175599** Analysis Date: **05/03/2013** Seq No: **5095105**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	94.68	1.00	100.0	0.4350	94.2	75	125	0	0	0	

Sample ID: **1304P87-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/03/2013** Run No: **243359**
SampleType: **MSD** TestCode: **Dissolved Metals by ICP/MS SW6020A** BatchID: **175599** Analysis Date: **05/03/2013** Seq No: **5095109**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	95.46	1.00	100.0	0.4350	95.0	75	125	94.68	0.820	20	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1305115

ANALYTICAL QC SUMMARY REPORT

BatchID: 175619

Sample ID: **MB-175619**	Client ID:				Units: **ug/L**		Prep Date: **05/03/2013**		Run No: **243377**
SampleType: **MBLK**	TestCode: **Total Metals by ICP/MS** **SW6020A**				BatchID: **175619**		Analysis Date: **05/03/2013**		Seq No: **5095445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	1.00	0	0	0	0	0	0	0	0	

Sample ID: **LCS-175619**	Client ID:				Units: **ug/L**		Prep Date: **05/03/2013**		Run No: **243377**
SampleType: **LCS**	TestCode: **Total Metals by ICP/MS** **SW6020A**				BatchID: **175619**		Analysis Date: **05/03/2013**		Seq No: **5095439**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	104.0	1.00	100.0	0.2290	104	80	120	0	0	0	

Sample ID: **1305105-006CMS**	Client ID:				Units: **ug/L**		Prep Date: **05/03/2013**		Run No: **243377**
SampleType: **MS**	TestCode: **Total Metals by ICP/MS** **SW6020A**				BatchID: **175619**		Analysis Date: **05/03/2013**		Seq No: **5095454**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	103.3	1.00	100.0	0.1740	103	75	125	0	0	0	

Sample ID: **1305105-006CMSD**	Client ID:				Units: **ug/L**		Prep Date: **05/03/2013**		Run No: **243377**
SampleType: **MSD**	TestCode: **Total Metals by ICP/MS** **SW6020A**				BatchID: **175619**		Analysis Date: **05/03/2013**		Seq No: **5095467**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	105.4	1.00	100.0	0.1740	105	75	125	103.3	2.01	20	

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		

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO:	Bob Pyle; Brian Leroy; Kandice Ferris	REF. NO.:	51315
FROM:	Paul McMahon/bjw/5	DATE:	August 8, 2013
RE:	**Analytical Results and Reduced Validation Soil and Sediment Investigation King and Spalding LLC Newnan, Georgia July 2013**		E-Mail and Hard Copy if Requested

INTRODUCTION

The following document details a reduced validation of analytical results for soil and sediment samples collected in support of the investigation at the Newnan, Georgia Site in July 2013. Samples were submitted to Analytical Environmental Services, Inc. (AES) located in Atlanta, Georgia. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Tables 2A and 2B. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes, matrix spikes, and laboratory control samples (LCS); and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999 and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", February 1994, USEPA 540/R-94/013. These documents will be referred to as the "Guidelines".

SAMPLE HOLDING TIME AND PRESERVATION

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times.

All samples were properly preserved and delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

LABORATORY METHOD BLANK ANALYSES

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

SURROGATE SPIKE RECOVERIES

In accordance with the methods employed, all samples, blanks and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within laboratory control limits, indicating good analytical efficiency.

LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To evaluate the effects of sample matrices on the digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed internally by the laboratory. Most percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision. Low arsenic and barium recoveries were reported for the soils, and all associated sample results were qualified as estimated (see Table 4). Extremely low selenium recoveries were reported for the soils; all associated sample results were non-detect and were rejected (see Table 4).

FIELD QA/QC

The field QA/QC samples consisted of one trip blank sample and two field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was collected and submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPD associated with these duplicate samples must be less than 100 percent for soil samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the practical quantitation limit (PQL), the evaluation criterion is two times the PQL value.

All field duplicate results were within acceptable agreement, demonstrating good sampling and analytical precision.

ANALYTE REPORTING

Non-detect results were presented as non-detect at the PQL in Tables 2A and 2B.

CONCLUSION

Based on this assessment of the information provided, the data produced by AES were found to exhibit acceptable levels of accuracy and precision and may be used with the noted qualifications with the following exception:

- Five non-detect soil selenium results were rejected due to poor spike recoveries.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL AND SEDIMENT INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

						Analysis/Parameters					
Sample I.D.	*Location I.D.*	*Start Depth (ft bgs)*	*End Depth (ft bgs)*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOCs*	*TCL SVOCs*	*PAHs*	*TCL Pesticides/PCBs*	*RCRA Metals*	*Comments*
SO-072513-AWY-001	BH-32	0	2	7/25/2013	10:45	X	X		X	X	
SO-072513-AWY-002	BH-33	0	1	7/25/2013	11:05	X	X		X	X	
SO-072513-AWY-003	BH-34	0	2.5	7/25/2013	11:15	X	X		X	X	
SO-072513-AWY-004	BH-34	0	2.5	7/25/2013	11:20	X	X		X	X	
SO-072513-AWY-005	BH-35	0	2	7/25/2013	11:30			X		X	Duplicate of SO-072513-AWY-003
SO-072513-SAG-006	SED-6	0	0.25	7/25/2013	13:00			X		X	
SO-072513-SAG-007	SED-7	0	0.25	7/25/2013	13:10			X		X	
SO-072513-SAG-008	SED-8	0	0.25	7/25/2013	13:15			X		X	
SO-072513-SAG-009	SED-8	0	0.25	7/25/2013	13:20			X		X	Duplicate of SO-072513-SAG-008
SO-072513-SAG-010	SED-9	0	0.25	7/25/2013	16:00			X		X	
SO-072513-SAG-011	SED-10	0	0.25	7/25/2013	16:20			X		X	
SO-072513-SAG-012	SED-11	0	0.25	7/25/2013	16:30			X		X	
SO-072513-SAG-013	SED-12	0	0.25	7/25/2013	16:40			X		X	
SO-072513-SAG-014	SED-13	0	0.25	7/25/2013	16:50			X		X	
SO-072613-SAG-015	SED-14	0	0.25	7/26/2013	8:25			X		X	
SO-072613-SAG-016	SED-15	0	0.25	7/26/2013	9:00			X		X	
SO-072613-SAG-017	SED-16	0	0.25	7/26/2013	9:30			X		X	
SO-072613-SAG-018	SED-17	0	0.25	7/26/2013	9:45			X		X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL AND SEDIMENT INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

						Analysis/Parameters					
Sample I.D.	*Location I.D.*	*Start Depth (ft bgs)*	*End Depth (ft bgs)*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*TCL VOCs*	*TCL SVOCs*	*PAHs*	*TCL Pesticides/PCBs*	*RCRA Metals*	*Comments*
SO-072613-SAG-019	SED-18	0	0.25	7/26/2013	10:00			X		X	
SO-072613-SAG-020	SED-19	0	0.25	7/26/2013	10:25			X		X	
Trip Blank	-	-	-	7/26/2013	-	X					Trip Blank

Notes:

VOCs	Volatile Organic Compounds
SVOCs	Semi-Volatile Organic Compounds
TCL	Target Compound List
RCRA	Resource Conservation and Recovery Act
-	Not Applicable
ft bgs	Feet Below Ground Surface.
PAHs	Polycyclic Aromatic Hydrocarbons.
PCBs	Polychlorinated Biphenyls.

TABLE 2A

ANALYTICAL RESULTS SUMMARY - SEDIMENTS
KING AND SPALDING LLC
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*SED-6*	*SED-7*	*SED-8*	*SED-8*	*SED-9*
	Sample Name:	*SE-072513-SAG-006*	*SE-072513-SAG-007*	*SE-072513-SAG-008*	*SE-072513-SAG-009*	*SE-072513-SAG-010*
	Sample Date:	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
	Depth:	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*
	Sample Type:				*Duplicate*	
Parameters	***Units***					
Polynuclear Aromatic Hydrocarbons						
1-Methylnaphthalene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
2-Methylnaphthalene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Acenaphthene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Acenaphthylene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Anthracene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Benzo(a)anthracene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Benzo(a)pyrene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Benzo(b)fluoranthene	µg/kg	1300 U	860	440 U	440 U	1200 U
Benzo(g,h,i)perylene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Benzo(k)fluoranthene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Chrysene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Dibenz(a,h)anthracene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Fluoranthene	µg/kg	1300 U	860	440 U	440 U	1200 U
Fluorene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Indeno(1,2,3-cd)pyrene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Naphthalene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Phenanthrene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Pyrene	µg/kg	1300 U	850 U	440 U	440 U	1200 U
Metals						
Arsenic	mg/kg	18.6 U	12.7 U	6.39 U	6.25 U	17.0 U
Barium	mg/kg	199	203	50.2	55.4	228
Cadmium	mg/kg	9.28 U	6.36 U	3.19 U	3.12 U	8.51 U
Chromium	mg/kg	32.7	30.8	13.8	24.8	36.6
Lead	mg/kg	158	159	49.0	31.4	221
Mercury	mg/kg	0.383 U	0.253 U	0.134 U	0.133 U	0.356 U
Selenium	mg/kg	18.6 U	12.7 U	6.39 U	6.25 U	17.0 U
Silver	mg/kg	9.28 U	6.36 U	3.19 U	3.12 U	8.51 U

TABLE 2A

ANALYTICAL RESULTS SUMMARY - SEDIMENTS
KING AND SPALDING LLC
NEWNAN, GEORGIA
JULY 2013

	Location Name:	***SED-6***	***SED-7***	***SED-8***	***SED-8***	***SED-9***
	Sample Name:	***SE-072513-SAG-006***	***SE-072513-SAG-007***	***SE-072513-SAG-008***	***SE-072513-SAG-009***	***SE-072513-SAG-010***
	Sample Date:	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/25/2013***
	Depth:	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***
	Sample Type:				***Duplicate***	
Parameters	***Units***					
General Chemistry						
Moisture content (dry weight)	%	74.3	61.1	25.5	24.9	72.3

TABLE 2A

ANALYTICAL RESULTS SUMMARY - SEDIMENTS
KING AND SPALDING LLC
NEWNAN, GEORGIA
JULY 2013

	Location Name:	***SED-10***	***SED-11***	***SED-12***	***SED-13***	***SED-14***
	Sample Name:	***SE-072513-SAG-011***	***SE-072513-SAG-012***	***SE-072513-SAG-013***	***SE-072513-SAG-014***	***SE-072613-SAG-015***
	Sample Date:	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/26/2013***
	Depth:	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***
	Sample Type:					
Parameters	***Units***					
Polynuclear Aromatic Hydrocarbons						
1-Methylnaphthalene	µg/kg	730 U	790 U	430 U	820 U	440 U
2-Methylnaphthalene	µg/kg	730 U	790 U	430 U	820 U	440 U
Acenaphthene	µg/kg	730 U	790 U	430 U	820 U	440 U
Acenaphthylene	µg/kg	730 U	790 U	430 U	820 U	440 U
Anthracene	µg/kg	730 U	790 U	430 U	820 U	440 U
Benzo(a)anthracene	µg/kg	730 U	790 U	430 U	820 U	440 U
Benzo(a)pyrene	µg/kg	730 U	790 U	430 U	820 U	440 U
Benzo(b)fluoranthene	µg/kg	730 U	790 U	530	820 U	440 U
Benzo(g,h,i)perylene	µg/kg	730 U	790 U	430 U	820 U	440 U
Benzo(k)fluoranthene	µg/kg	730 U	790 U	430 U	820 U	440 U
Chrysene	µg/kg	730 U	790 U	430 U	820 U	440 U
Dibenz(a,h)anthracene	µg/kg	730 U	790 U	430 U	820 U	440 U
Fluoranthene	µg/kg	800	790 U	810	820 U	440 U
Fluorene	µg/kg	730 U	790 U	430 U	820 U	440 U
Indeno(1,2,3-cd)pyrene	µg/kg	730 U	790 U	430 U	820 U	440 U
Naphthalene	µg/kg	730 U	790 U	430 U	820 U	440 U
Phenanthrene	µg/kg	730 U	790 U	430 U	820 U	440 U
Pyrene	µg/kg	730 U	790 U	640	820 U	440 U
Metals						
Arsenic	mg/kg	10.1 U	11.1 U	6.30 U	12.0 U	6.18 U
Barium	mg/kg	119	172	22.0	150	26.2
Cadmium	mg/kg	5.05 U	5.54 U	3.15 U	6.02 U	3.09 U
Chromium	mg/kg	22.4	30.7	6.30	29.7	6.39
Lead	mg/kg	133	277	18.6	224	142
Mercury	mg/kg	0.216 U	0.390	0.129 U	0.273	0.130 U
Selenium	mg/kg	10.1 U	11.1 U	6.30 U	12.0 U	6.18 U
Silver	mg/kg	5.05 U	5.54 U	3.15 U	6.02 U	3.09 U

TABLE 2A

ANALYTICAL RESULTS SUMMARY - SEDIMENTS
KING AND SPALDING LLC
NEWNAN, GEORGIA
JULY 2013

	Location Name:	***SED-10***	***SED-11***	***SED-12***	***SED-13***	***SED-14***
	Sample Name:	***SE-072513-SAG-011***	***SE-072513-SAG-012***	***SE-072513-SAG-013***	***SE-072513-SAG-014***	***SE-072613-SAG-015***
	Sample Date:	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/26/2013***
	Depth:	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***
	Sample Type:					
Parameters	***Units***					
General Chemistry						
Moisture content (dry weight)	%	54.7	58.0	23.7	59.8	24.7

TABLE 2A

ANALYTICAL RESULTS SUMMARY - SEDIMENTS
KING AND SPALDING LLC
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*SED-15*	*SED-16*	*SED-17*	*SED-18*	*SED-19*
	Sample Name:	*SE-072613-SAG-016*	*SE-072613-SAG-017*	*SE-072613-SAG-018*	*SE-072613-SAG-019*	*SE-072613-SAG-020*
	Sample Date:	*7/26/2013*	*7/26/2013*	*7/26/2013*	*7/26/2013*	*7/26/2013*
	Depth:	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*	*0-0.25 ft BGS*
	Sample Type:					
Parameters	*Units*					
Polynuclear Aromatic Hydrocarbons						
1-Methylnaphthalene	µg/kg	370 U	1200 U	880 U	540 U	390 U
2-Methylnaphthalene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Acenaphthene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Acenaphthylene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Anthracene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Benzo(a)anthracene	µg/kg	770	1200 U	1700	540 U	390 U
Benzo(a)pyrene	µg/kg	630	1200 U	1600	540 U	390 U
Benzo(b)fluoranthene	µg/kg	1000	1200 U	2600	540 U	390 U
Benzo(g,h,i)perylene	µg/kg	500	1200 U	1500	540 U	390 U
Benzo(k)fluoranthene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Chrysene	µg/kg	730	1200 U	1800	540 U	390 U
Dibenz(a,h)anthracene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Fluoranthene	µg/kg	1700	1200 U	3400	580	390 U
Fluorene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Indeno(1,2,3-cd)pyrene	µg/kg	420	1200 U	1200	540 U	390 U
Naphthalene	µg/kg	370 U	1200 U	880 U	540 U	390 U
Phenanthrene	µg/kg	1100	1200 U	1400	540 U	390 U
Pyrene	µg/kg	1300	1200 U	2700	540 U	390 U
Metals						
Arsenic	mg/kg	16.0	17.1 U	12.4 U	7.69 U	5.52 U
Barium	mg/kg	108	222	173	70.7	36.2
Cadmium	mg/kg	2.82 U	8.57 U	6.18 U	3.84 U	2.76 U
Chromium	mg/kg	9.22	31.7	27.2	12.5	6.88
Lead	mg/kg	42.0	220	230	61.7	13.4
Mercury	mg/kg	0.141	0.353 U	0.264 U	0.164 U	0.117 U
Selenium	mg/kg	5.64 U	17.1 U	12.4 U	7.69 U	5.52 U
Silver	mg/kg	2.82 U	8.57 U	6.18 U	3.84 U	2.76 U

TABLE 2A

ANALYTICAL RESULTS SUMMARY - SEDIMENTS
KING AND SPALDING LLC
NEWNAN, GEORGIA
JULY 2013

	Location Name:	***SED-15***	***SED-16***	***SED-17***	***SED-18***	***SED-19***
	Sample Name:	***SE-072613-SAG-016***	***SE-072613-SAG-017***	***SE-072613-SAG-018***	***SE-072613-SAG-019***	***SE-072613-SAG-020***
	Sample Date:	***7/26/2013***	***7/26/2013***	***7/26/2013***	***7/26/2013***	***7/26/2013***
	Depth:	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***	***0-0.25 ft BGS***
	Sample Type:					
Parameters	***Units***					
General Chemistry						
Moisture content (dry weight)	%	11.7	72.0	62.3	39.0	15.6

Note:

U - Not detected at the associated reporting limit.

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOILS
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

	Location Name:	***BH-32***	***BH-33***	***BH-34***	***BH-34***	***BH-35***
	Sample Name:	***SO-072513-AWY-001***	***SO-072513-AWY-002***	***SO-072513-AWY-003***	***SO-072513-AWY-004***	***SO-072513-AWY-005***
	Sample Date:	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/25/2013***	***7/25/2013***
	Depth:	***0-2 ft BGS***	***0-1 ft BGS***	***0-2.5 ft BGS***	***0-2.5 ft BGS***	***0-2 ft BGS***
	Sample Type:				***Duplicate***	
Parameters	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,1,2,2-Tetrachloroethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,1,2-Trichloroethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,1-Dichloroethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,1-Dichloroethene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,2,4-Trichlorobenzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,2-Dichlorobenzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,2-Dichloroethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,2-Dichloropropane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,3-Dichlorobenzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
1,4-Dichlorobenzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	38 U	38 U	39 U	38 U	-
2-Hexanone	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
Acetone	µg/kg	100	77 U	78 U	77 U	-
Benzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Bromodichloromethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Bromoform	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Bromomethane (Methyl bromide)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Carbon disulfide	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
Carbon tetrachloride	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Chlorobenzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Chloroethane	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
Chloroform (Trichloromethane)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Chloromethane (Methyl chloride)	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
cis-1,2-Dichloroethene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
cis-1,3-Dichloropropene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOILS
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*
	Sample Name:	*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*
	Sample Date:	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
	Depth:	*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*
	Sample Type:				*Duplicate*	
Parameters	***Units***					
Volatile Organic Compounds (Continued)						
Cyclohexane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Dibromochloromethane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Dichlorodifluoromethane (CFC-12)	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
Ethylbenzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Isopropyl benzene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Methyl acetate	µg/kg	3.8 U	7.9	3.9 U	3.8 U	-
Methyl cyclohexane	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Methyl tert butyl ether (MTBE)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Methylene chloride	µg/kg	15 U	15 U	16 U	15 U	-
Styrene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Tetrachloroethene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Toluene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
trans-1,2-Dichloroethene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
trans-1,3-Dichloropropene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Trichloroethene	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Trichlorofluoromethane (CFC-11)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Trifluorotrichloroethane (Freon 113)	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
Vinyl chloride	µg/kg	7.5 U	7.7 U	7.8 U	7.7 U	-
Xylenes (total)	µg/kg	3.8 U	3.8 U	3.9 U	3.8 U	-
Semi-Volatile Organic Compounds						
1-Methylnaphthalene	µg/kg	430 U	420 U	430 U	430 U	400 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	430 U	420 U	430 U	430 U	-
2,4,5-Trichlorophenol	µg/kg	2200 U	2200 U	2200 U	2200 U	-
2,4,6-Trichlorophenol	µg/kg	430 U	420 U	430 U	430 U	-
2,4-Dichlorophenol	µg/kg	430 U	420 U	430 U	430 U	-
2,4-Dimethylphenol	µg/kg	430 U	420 U	430 U	430 U	-
2,4-Dinitrophenol	µg/kg	2200 U	2200 U	2200 U	2200 U	-
2,4-Dinitrotoluene	µg/kg	430 U	420 U	430 U	430 U	-

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOILS
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*
	Sample Name:	*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*
	Sample Date:	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
	Depth:	*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*
	Sample Type:				*Duplicate*	
Parameters	***Units***					
Semi-Volatile Organic Compounds (Continued)						
2,6-Dinitrotoluene	µg/kg	430 U	420 U	430 U	430 U	-
2-Chloronaphthalene	µg/kg	430 U	420 U	430 U	430 U	-
2-Chlorophenol	µg/kg	430 U	420 U	430 U	430 U	-
2-Methylnaphthalene	µg/kg	430 U	420 U	430 U	430 U	400 U
2-Methylphenol	µg/kg	430 U	420 U	430 U	430 U	-
2-Nitroaniline	µg/kg	2200 U	2200 U	2200 U	2200 U	-
2-Nitrophenol	µg/kg	430 U	420 U	430 U	430 U	-
3,3'-Dichlorobenzidine	µg/kg	870 U	860 U	870 U	870 U	-
3-Nitroaniline	µg/kg	2200 U	2200 U	2200 U	2200 U	-
4,6-Dinitro-2-methylphenol	µg/kg	2200 U	2200 U	2200 U	2200 U	-
4-Bromophenyl phenyl ether	µg/kg	430 U	420 U	430 U	430 U	-
4-Chloro-3-methylphenol	µg/kg	430 U	420 U	430 U	430 U	-
4-Chloroaniline	µg/kg	430 U	420 U	430 U	430 U	-
4-Chlorophenyl phenyl ether	µg/kg	430 U	420 U	430 U	430 U	-
4-Methylphenol	µg/kg	430 U	420 U	430 U	430 U	-
4-Nitroaniline	µg/kg	2200 U	2200 U	2200 U	2200 U	-
4-Nitrophenol	µg/kg	2200 U	2200 U	2200 U	2200 U	-
Acenaphthene	µg/kg	430 U	420 U	430 U	430 U	400 U
Acenaphthylene	µg/kg	430 U	420 U	430 U	430 U	400 U
Acetophenone	µg/kg	430 U	420 U	430 U	430 U	-
Anthracene	µg/kg	430 U	420 U	430 U	430 U	400 U
Atrazine	µg/kg	430 U	420 U	430 U	430 U	-
Benzaldehyde	µg/kg	430 U	420 U	430 U	430 U	-
Benzo(a)anthracene	µg/kg	430 U	420 U	430 U	430 U	1300
Benzo(a)pyrene	µg/kg	430 U	420 U	430 U	430 U	1000
Benzo(b)fluoranthene	µg/kg	430 U	420 U	430 U	430 U	1500
Benzo(g,h,i)perylene	µg/kg	430 U	420 U	430 U	430 U	810
Benzo(k)fluoranthene	µg/kg	430 U	420 U	430 U	430 U	540
Biphenyl (1,1-Biphenyl)	µg/kg	430 U	420 U	430 U	430 U	-

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOILS
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*
	Sample Name:	*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*
	Sample Date:	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
	Depth:	*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*
	Sample Type:				*Duplicate*	
Parameters	***Units***					
Semi-Volatile Organic Compounds (Continued)						
bis(2-Chloroethoxy)methane	µg/kg	430 U	420 U	430 U	430 U	-
bis(2-Chloroethyl)ether	µg/kg	430 U	420 U	430 U	430 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	430 U	420 U	430 U	430 U	-
Butyl benzylphthalate (BBP)	µg/kg	430 U	420 U	430 U	430 U	-
Caprolactam	µg/kg	430 U	420 U	430 U	430 U	-
Carbazole	µg/kg	430 U	420 U	430 U	430 U	-
Chrysene	µg/kg	430 U	420 U	430 U	430 U	1200
Dibenz(a,h)anthracene	µg/kg	430 U	420 U	430 U	430 U	400 U
Dibenzofuran	µg/kg	430 U	420 U	430 U	430 U	-
Diethyl phthalate	µg/kg	430 U	420 U	430 U	430 U	-
Dimethyl phthalate	µg/kg	430 U	420 U	430 U	430 U	-
Di-n-butylphthalate (DBP)	µg/kg	430 U	420 U	430 U	430 U	-
Di-n-octyl phthalate (DnOP)	µg/kg	430 U	420 U	430 U	430 U	-
Fluoranthene	µg/kg	430 U	420 U	430 U	650	2700
Fluorene	µg/kg	430 U	420 U	430 U	430 U	400 U
Hexachlorobenzene	µg/kg	430 U	420 U	430 U	430 U	-
Hexachlorobutadiene	µg/kg	430 U	420 U	430 U	430 U	-
Hexachlorocyclopentadiene	µg/kg	860 U	850 U	860 U	860 U	-
Hexachloroethane	µg/kg	430 U	420 U	430 U	430 U	-
Indeno(1,2,3-cd)pyrene	µg/kg	430 U	420 U	430 U	430 U	680
Isophorone	µg/kg	430 U	420 U	430 U	430 U	-
Naphthalene	µg/kg	430 U	420 U	430 U	430 U	400 U
Nitrobenzene	µg/kg	430 U	420 U	430 U	430 U	-
N-Nitrosodi-n-propylamine	µg/kg	430 U	420 U	430 U	430 U	-
N-Nitrosodiphenylamine	µg/kg	430 U	420 U	430 U	430 U	-
Pentachlorophenol	µg/kg	2200 U	2200 U	2200 U	2200 U	-
Phenanthrene	µg/kg	430 U	420 U	430 U	540	1600
Phenol	µg/kg	430 U	420 U	430 U	430 U	-
Pyrene	µg/kg	430 U	420 U	430 U	470	2100

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOILS
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*
	Sample Name:	*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*
	Sample Date:	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
	Depth:	*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*
	Sample Type:				*Duplicate*	
Parameters	*Units*					
Pesticides						
4,4'-DDD	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
4,4'-DDE	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
4,4'-DDT	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
Aldrin	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
alpha-BHC	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
alpha-Chlordane	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
beta-BHC	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
delta-BHC	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
Dieldrin	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
Endosulfan I	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
Endosulfan II	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
Endosulfan sulfate	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
Endrin	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
Endrin aldehyde	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
Endrin ketone	µg/kg	4.3 U	4.3 U	4.3 U	4.3 U	-
gamma-BHC (lindane)	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
gamma-Chlordane	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
Heptachlor	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
Heptachlor epoxide	µg/kg	2.2 U	2.2 U	2.2 U	2.2 U	-
Methoxychlor	µg/kg	22 U	22 U	22 U	22 U	-
Toxaphene	µg/kg	220 U	220 U	220 U	220 U	-
Polychlorinated Biphenyls						
Aroclor-1016 (PCB-1016)	µg/kg	43 U	43 U	43 U	43 U	-
Aroclor-1221 (PCB-1221)	µg/kg	43 U	43 U	43 U	43 U	-
Aroclor-1232 (PCB-1232)	µg/kg	43 U	43 U	43 U	43 U	-
Aroclor-1242 (PCB-1242)	µg/kg	43 U	43 U	43 U	43 U	-

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOILS
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

	Location Name:	*BH-32*	*BH-33*	*BH-34*	*BH-34*	*BH-35*
	Sample Name:	*SO-072513-AWY-001*	*SO-072513-AWY-002*	*SO-072513-AWY-003*	*SO-072513-AWY-004*	*SO-072513-AWY-005*
	Sample Date:	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*	*7/25/2013*
	Depth:	*0-2 ft BGS*	*0-1 ft BGS*	*0-2.5 ft BGS*	*0-2.5 ft BGS*	*0-2 ft BGS*
	Sample Type:				*Duplicate*	
Parameters	***Units***					
Polychlorinated Biphenyls (Continued)						
Aroclor-1248 (PCB-1248)	µg/kg	43 U	43 U	43 U	43 U	-
Aroclor-1254 (PCB-1254)	µg/kg	43 U	43 U	43 U	43 U	-
Aroclor-1260 (PCB-1260)	µg/kg	43 U	43 U	43 U	43 U	-
Metals						
Arsenic	mg/kg	6.14 UJ	6.28 UJ	6.22 UJ	5.97 UJ	5.67 UJ
Barium	mg/kg	121 J	87.5 J	70.3 J	71.4 J	97.7 J
Cadmium	mg/kg	3.07 U	3.14 U	3.11 U	2.99 U	2.84 U
Chromium	mg/kg	8.34	8.28	7.72	7.69	10.2
Lead	mg/kg	6.14 U	6.93	6.51	7.39	31.5
Mercury	mg/kg	0.130 U	0.126 U	0.128 U	0.128 U	0.122 U
Selenium	mg/kg	R	R	R	R	R
Silver	mg/kg	3.07 U	3.14 U	3.11 U	2.99 U	2.84 U
General Chemistry						
Moisture content (dry weight)	%	23.0	22.3	23.5	23.4	18.4

Notes:

- Not analyzed.
J Estimated concentration.
UJ Not detected; associated reporting limit is estimated.
R Rejected.
U Not detected at the associated reporting limit.

TABLE 3

SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHODS SUMMARY
SOIL AND SEDIMENT INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

Parameter	*Matrix*	*Analytical Method*	*Collection to Extraction (Days)*	*Collection/Extraction to Analysis (Days)*
Total Metals (Except Mercury)	Soil/Sediment	6010B [1]	-	180
Mercury	Soil/Sediment	7471 [1]	-	28
PAHS	Soil/Sediment	8270C [1]	14	40
SVOCs	Soil	8270C [1]	14	40
VOCs	Soil	8260B [1]	-	14
Pesticides	Soil	8081B [1]	14	40
PCBs	Soil	8082A [1]	14	40

Notes:

[1] Referenced from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.
USEPA United States Environmental Protection Agency.
VOCs Volatile Organic Compounds.
SVOCs Semi-Volatile Organic Compounds.
- Not Applicable.
PAHs Polycyclic Aromatic Hydrocarbons.
PCBs Polychlorinated Biphenyls.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
SOIL AND SEDIMENT INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
JULY 2013

Parameter	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD*	*Control Limits*		*Associated Sample ID*	*Qualified Sample Result*	*Units*
					Recovery (percent)	*RPD (percent)*			
Metals	Arsenic	64	69	8	75-125	35	SO-072513-AWY-001	6.14 UJ	mg/kg
							SO-072513-AWY-002	6.28 UJ	mg/kg
							SO-072513-AWY-003	6.22 UJ	mg/kg
							SO-072513-AWY-004	5.97 UJ	mg/kg
							SO-072513-AWY-005	5.67 UJ	mg/kg
Metals	Barium	58	69	4	75-125	35	SO-072513-AWY-001	121 J	mg/kg
							SO-072513-AWY-002	87.5 J	mg/kg
							SO-072513-AWY-003	70.3 J	mg/kg
							SO-072513-AWY-004	71.4 J	mg/kg
							SO-072513-AWY-005	97.7 J	mg/kg
Metals	Selenium	23	30	24	75-125	35	SO-072513-AWY-001	R	mg/kg
							SO-072513-AWY-002	R	mg/kg
							SO-072513-AWY-003	R	mg/kg
							SO-072513-AWY-004	R	mg/kg
							SO-072513-AWY-005	R	mg/kg

Notes:

J Estimated concentration.
UJ Not detected; associated reporting limit is estimated.
R Rejected.
MS Matrix Spike
MSD Matrix Spike Duplicate
RPD Relative Percent Difference

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 02, 2013

Bob Pyle
Conestoga, Rovers, & Associates, Inc.
3075 Breckenridge Blvd, Suite 470
Duluth GA 30096

TEL: (770) 441-0027
FAX: (770) 441-2050

RE: King & Spalding - Newnan Lofts

Dear Bob Pyle: Order No: 1307M25

Analytical Environmental Services, Inc. received 21 samples on 7/26/2013 12:25:00 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 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) 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.

CRKanhai

Chantelle Kanhai
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

1307M25 Work Order: 51315

Date: 7/26/13 Page 1 of 2

COMPANY:	ADDRESS:
Corestone - Rowes and Associates	3575 Breckinridge Blvd Ste 470
PHONE: 770-441-0027	FAX: 770-441-2050
SAMPLED BY: Alex Yarbrough, Steve Gorue	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Metals	PAHs	TCL VOCs	PCBs	Pesticides	SVOCs	No # of Containers	REMARKS
							PRESERVATION (See codes)							
1	SO-072513-AW4-001	7/25/13	1045		X	SO	X	X	X	X	X	X	6	
2	SO-072513-AW4-002		1105		X	SO	X	X	X	X	X	X	6	
3	SO-072513-AW4-003		1115		X	SO	X	X	X	X	X	X	6	
4	SO-072513-AW4-004		1120		X	SO	X	X	X	X	X	X	6	
5	SO-072513-AW4-005		1130		X	SO	X	X					2	
6	SE-072513-SA6-006		1300	X		SE	X	X					2	
7	SE-072513-SA6-007		1310	X		SE	X	X					2	
8	SE-072513-SA6-008		1315	X		SE	X	X					2	
9	SE-072513-SA6-009		1320	X		SE	X	X					2	
10	SE-072513-SA6-010		1600	X		SE	X	X					2	
11	SE-072513-SA6-011		1620	X		SE	X	X					2	
12	SE-072513-SA6-012		1630	X		SE	X	X					2	
13	SE-072513-SA6-013		1640	X		SE	X	X					2	
14	SE-072513-SA6-014		1650	X		SE	X	X					2	

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:	7/26/13-1215	1:	7/26/13 12:25
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: Newnan Lofts
PROJECT #: 051515
SITE ADDRESS: Field St, Newnan, GA
SEND REPORT TO: Bob Pyle, Bo Leroy
INVOICE TO: (IF DIFFERENT FROM ABOVE) See SOW
QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers: 44

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

STATE PROGRAM (if any): GA
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS: See SOW

SHIPMENT METHOD
OUT / / VIA:
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

3785 Presidential Parkway, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

1307125 Work Order: 57315

Date: 7/26/13 Page 2 of 2

COMPANY: Coastal-Rovers and AES,	ADDRESS: 3075 Breckenridge Blvd Ste 470 Duluth, GA 30096
PHONE: 770-441-0027	FAX: 770-441-2050
SAMPLED BY: Alex Yarbrough, Steve Grace	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Metals	PAHs	VOCs	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SE-072613-SA0-015	7/26/13	825	X		SE	X	X				2
2	SE-072613-SA6-016		900	X		SE	X	X				2
3	SE-072613-SA6-017		930	X		SE	X	X				2
4	SE-072613-SA6-018		945	X		SE	X	X				2
5	SE-072613-SA6-019		1000	X		SE	X	X				2
6	SE-072613-SA6-020		1025	X		SE	X	X				2
7	Trip Blank						-		X			2
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:	7/26/13 1215	1:	7/26/13 1225
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS: See SOW

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER _____

PROJECT INFORMATION

PROJECT NAME: Newman Lofts

PROJECT #: 05/3/5-

SITE ADDRESS: Field St. Newnan, GA

SEND REPORT TO: Bob Pyle, Bo Lordy

INVOICE TO: (IF DIFFERENT FROM ABOVE) See SOW

QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers: 14

Turnaround Time Request

- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush **(auth req.)**
- ( ) Other _____

STATE PROGRAM (if any): GA

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: 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-001
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 10:45:00 AM
Lab ID:	1307M25-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Dichlorodifluoromethane	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Chloromethane	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Vinyl chloride	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Bromomethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Chloroethane	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Acetone	100	75		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Freon-113	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Carbon disulfide	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Methyl acetate	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Methylene chloride	BRL	15		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
2-Butanone	BRL	38		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Chloroform	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Cyclohexane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Benzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Trichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Methylcyclohexane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Bromodichloromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
4-Methyl-2-pentanone	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Toluene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
2-Hexanone	BRL	7.5		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Tetrachloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Dibromochloromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Chlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Ethylbenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Styrene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Bromoform	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-001
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 10:45:00 AM
Lab ID:	1307M25-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Isopropylbenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Xylenes, Total	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 14:44	MD
Surr: 4-Bromofluorobenzene	89.8	63.8-133		%REC	179116	1	07/31/2013 14:44	MD
Surr: Dibromofluoromethane	107	74.3-130		%REC	179116	1	07/31/2013 14:44	MD
Surr: Toluene-d8	96.4	72.8-122		%REC	179116	1	07/31/2013 14:44	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.130		mg/Kg-dry	179254	1	08/01/2013 12:37	CG
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,4-Dichlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,4-Dinitrotoluene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2,6-Dinitrotoluene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2-Chloronaphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2-Methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
2-Nitrophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
3,3´-Dichlorobenzidine	BRL	870		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Bromophenyl phenyl ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Chloroaniline	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Chlorophenyl phenyl ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Acenaphthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Acenaphthylene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-001
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 10:45:00 AM
Lab ID:	1307M25-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Acetophenone	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Atrazine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Benzaldehyde	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Bis(2-chloroethoxy)methane	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Bis(2-chloroethyl)ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Bis(2-chloroisopropyl)ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Caprolactam	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Carbazole	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Chrysene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Dibenzofuran	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Fluorene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Hexachlorocyclopentadiene	BRL	860		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Hexachloroethane	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Isophorone	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Naphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Nitrobenzene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Phenanthrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Phenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 17:17	YH
Surr: 2,4,6-Tribromophenol	69.4	40.4-136		%REC	179180	1	07/31/2013 17:17	YH
Surr: 2-Fluorobiphenyl	72.3	46.1-120		%REC	179180	1	07/31/2013 17:17	YH

Qualifiers:

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- 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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-001
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 10:45:00 AM
Lab ID:	1307M25-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Surr: 2-Fluorophenol	59.2	35.8-120		%REC	179180	1	07/31/2013 17:17	YH
Surr: 4-Terphenyl-d14	78.9	50.2-134		%REC	179180	1	07/31/2013 17:17	YH
Surr: Nitrobenzene-d5	59	38-120		%REC	179180	1	07/31/2013 17:17	YH
Surr: Phenol-d5	57.6	40-120		%REC	179180	1	07/31/2013 17:17	YH
POLYCHLORINATED BIPHENYLS SW8082A				**(SW3550C)**				
Aroclor 1016	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Aroclor 1221	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Aroclor 1232	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Aroclor 1242	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Aroclor 1248	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Aroclor 1254	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Aroclor 1260	BRL	43		ug/Kg-dry	179095	1	07/29/2013 17:52	SN
Surr: Decachlorobiphenyl	76.4	34.7-130		%REC	179095	1	07/29/2013 17:52	SN
Surr: Tetrachloro-m-xylene	61.2	25.6-125		%REC	179095	1	07/29/2013 17:52	SN
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	430		ug/Kg-dry	179134	1	07/30/2013 22:53	EI
Surr: 2-Fluorobiphenyl	66.8	51.9-120		%REC	179134	1	07/30/2013 22:53	EI
Surr: 4-Terphenyl-d14	85.9	60.2-120		%REC	179134	1	07/30/2013 22:53	EI
Surr: Nitrobenzene-d5	68.4	45.6-120		%REC	179134	1	07/30/2013 22:53	EI
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
4,4´-DDE	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
4,4´-DDT	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Aldrin	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
alpha-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
alpha-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
beta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
delta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Dieldrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Endosulfan I	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Endosulfan II	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Endosulfan sulfate	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Endrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Endrin aldehyde	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Endrin ketone	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
gamma-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
gamma-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Heptachlor	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD

Qualifiers:

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- Narr See case narrative
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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-001
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 10:45:00 AM
Lab ID:	1307M25-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Methoxychlor	BRL	22		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Toxaphene	BRL	220		ug/Kg-dry	178983	1	07/30/2013 18:03	KD
Surr: Decachlorobiphenyl	55.6	25.1-119		%REC	178983	1	07/30/2013 18:03	KD
Surr: Tetrachloro-m-xylene	46	28.4-116		%REC	178983	1	07/30/2013 18:03	KD
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.14		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
Barium	121	6.14		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
Cadmium	BRL	3.07		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
Chromium	8.34	3.07		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
Lead	BRL	6.14		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
Selenium	BRL	6.14		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
Silver	BRL	3.07		mg/Kg-dry	179121	1	08/01/2013 19:51	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.0	0		wt%	R249160	1	08/01/2013 17:29	EH

Qualifiers:

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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: 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-002
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:05:00 AM
Lab ID:	1307M25-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Dichlorodifluoromethane	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Chloromethane	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Vinyl chloride	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Bromomethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Chloroethane	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Acetone	BRL	77		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Freon-113	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Carbon disulfide	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Methyl acetate	7.9	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Methylene chloride	BRL	15		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
2-Butanone	BRL	38		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Chloroform	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Cyclohexane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Benzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Trichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Methylcyclohexane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Bromodichloromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
4-Methyl-2-pentanone	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Toluene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
2-Hexanone	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Tetrachloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Dibromochloromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Chlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Ethylbenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Styrene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Bromoform	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD

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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-002
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:05:00 AM
Lab ID:	1307M25-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Isopropylbenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Xylenes, Total	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 15:13	MD
Surr: 4-Bromofluorobenzene	84.4	63.8-133		%REC	179116	1	07/31/2013 15:13	MD
Surr: Dibromofluoromethane	113	74.3-130		%REC	179116	1	07/31/2013 15:13	MD
Surr: Toluene-d8	96.1	72.8-122		%REC	179116	1	07/31/2013 15:13	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.126		mg/Kg-dry	179254	1	08/01/2013 12:46	CG
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,4,6-Trichlorophenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,4-Dichlorophenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,4-Dimethylphenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,4-Dinitrotoluene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2,6-Dinitrotoluene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2-Chloronaphthalene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2-Chlorophenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2-Methylnaphthalene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2-Methylphenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
2-Nitrophenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
3,3´-Dichlorobenzidine	BRL	860		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Bromophenyl phenyl ether	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Chloro-3-methylphenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Chloroaniline	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Chlorophenyl phenyl ether	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Methylphenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Acenaphthene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Acenaphthylene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH

Qualifiers:

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N	Analyte not NELAC certified	NC	Not confirmed
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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-002
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:05:00 AM
Lab ID:	1307M25-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Acetophenone	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Anthracene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Atrazine	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Benz(a)anthracene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Benzaldehyde	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Benzo(a)pyrene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Benzo(b)fluoranthene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Benzo(g,h,i)perylene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Benzo(k)fluoranthene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Bis(2-chloroethoxy)methane	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Bis(2-chloroethyl)ether	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Bis(2-chloroisopropyl)ether	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Bis(2-ethylhexyl)phthalate	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Butyl benzyl phthalate	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Caprolactam	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Carbazole	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Chrysene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Di-n-butyl phthalate	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Di-n-octyl phthalate	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Dibenz(a,h)anthracene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Dibenzofuran	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Diethyl phthalate	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Dimethyl phthalate	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Fluoranthene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Fluorene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Hexachlorobenzene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Hexachlorobutadiene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Hexachlorocyclopentadiene	BRL	850		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Hexachloroethane	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Indeno(1,2,3-cd)pyrene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Isophorone	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
N-Nitrosodi-n-propylamine	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
N-Nitrosodiphenylamine	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Naphthalene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Nitrobenzene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Phenanthrene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Phenol	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Pyrene	BRL	420		ug/Kg-dry	179180	1	07/31/2013 17:45	YH
Surr: 2,4,6-Tribromophenol	72	40.4-136		%REC	179180	1	07/31/2013 17:45	YH
Surr: 2-Fluorobiphenyl	74	46.1-120		%REC	179180	1	07/31/2013 17:45	YH

Qualifiers:

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- 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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-002
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:05:00 AM
Lab ID:	1307M25-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Surr: 2-Fluorophenol	62.4	35.8-120		%REC	179180	1	07/31/2013 17:45	YH
Surr: 4-Terphenyl-d14	84.6	50.2-134		%REC	179180	1	07/31/2013 17:45	YH
Surr: Nitrobenzene-d5	62.7	38-120		%REC	179180	1	07/31/2013 17:45	YH
Surr: Phenol-d5	59.3	40-120		%REC	179180	1	07/31/2013 17:45	YH
POLYCHLORINATED BIPHENYLS SW8082A				**(SW3550C)**				
Aroclor 1016	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Aroclor 1221	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Aroclor 1232	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Aroclor 1242	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Aroclor 1248	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Aroclor 1254	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Aroclor 1260	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:21	SN
Surr: Decachlorobiphenyl	77.6	34.7-130		%REC	179095	1	07/29/2013 19:21	SN
Surr: Tetrachloro-m-xylene	52.4	25.6-125		%REC	179095	1	07/29/2013 19:21	SN
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	420		ug/Kg-dry	179134	1	07/30/2013 23:26	EI
Surr: 2-Fluorobiphenyl	68.4	51.9-120		%REC	179134	1	07/30/2013 23:26	EI
Surr: 4-Terphenyl-d14	81.7	60.2-120		%REC	179134	1	07/30/2013 23:26	EI
Surr: Nitrobenzene-d5	68.4	45.6-120		%REC	179134	1	07/30/2013 23:26	EI
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
4,4´-DDE	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
4,4´-DDT	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Aldrin	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
alpha-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
alpha-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
beta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
delta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Dieldrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Endosulfan I	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Endosulfan II	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Endosulfan sulfate	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Endrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Endrin aldehyde	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Endrin ketone	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
gamma-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
gamma-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Heptachlor	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD

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- Narr See case narrative
- NC Not confirmed
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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-002
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:05:00 AM
Lab ID:	1307M25-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Methoxychlor	BRL	22		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Toxaphene	BRL	220		ug/Kg-dry	178983	1	07/30/2013 18:14	KD
Surr: Decachlorobiphenyl	56.8	25.1-119		%REC	178983	1	07/30/2013 18:14	KD
Surr: Tetrachloro-m-xylene	60.2	28.4-116		%REC	178983	1	07/30/2013 18:14	KD
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.28		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
Barium	87.5	6.28		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
Cadmium	BRL	3.14		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
Chromium	8.28	3.14		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
Lead	6.93	6.28		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
Selenium	BRL	6.28		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
Silver	BRL	3.14		mg/Kg-dry	179121	1	08/01/2013 20:18	MR
PERCENT MOISTURE D2216								
Percent Moisture	22.3	0		wt%	R249160	1	08/01/2013 17:29	EH

Qualifiers:

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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: 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-003
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:15:00 AM
Lab ID:	1307M25-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Dichlorodifluoromethane	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Chloromethane	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Vinyl chloride	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Bromomethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Chloroethane	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Trichlorofluoromethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Acetone	BRL	78		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Freon-113	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Carbon disulfide	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Methyl acetate	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Methylene chloride	BRL	16		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Methyl tert-butyl ether	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
trans-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,1-Dichloroethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
cis-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
2-Butanone	BRL	39		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Chloroform	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Cyclohexane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Carbon tetrachloride	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Benzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Trichloroethene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Methylcyclohexane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,2-Dichloropropane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Bromodichloromethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
cis-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
4-Methyl-2-pentanone	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Toluene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
trans-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,1,2-Trichloroethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
2-Hexanone	BRL	7.8		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Tetrachloroethene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Dibromochloromethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,2-Dibromoethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Chlorobenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Ethylbenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Styrene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Bromoform	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,1,2,2-Tetrachloroethane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD

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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-003
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:15:00 AM
Lab ID:	1307M25-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Isopropylbenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,3-Dichlorobenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,4-Dichlorobenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,2-Dichlorobenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,2-Dibromo-3-chloropropane	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
1,2,4-Trichlorobenzene	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Xylenes, Total	BRL	3.9		ug/Kg-dry	179116	1	07/31/2013 15:41	MD
Surr: 4-Bromofluorobenzene	77.6	63.8-133		%REC	179116	1	07/31/2013 15:41	MD
Surr: Dibromofluoromethane	113	74.3-130		%REC	179116	1	07/31/2013 15:41	MD
Surr: Toluene-d8	97	72.8-122		%REC	179116	1	07/31/2013 15:41	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.128		mg/Kg-dry	179254	1	08/01/2013 12:48	CG
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,4-Dichlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,4-Dinitrotoluene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2,6-Dinitrotoluene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2-Chloronaphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2-Methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
2-Nitrophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
3,3´-Dichlorobenzidine	BRL	870		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Bromophenyl phenyl ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Chloroaniline	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Chlorophenyl phenyl ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Acenaphthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Acenaphthylene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH

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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-003
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:15:00 AM
Lab ID:	1307M25-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Acetophenone	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Atrazine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Benzaldehyde	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Bis(2-chloroethoxy)methane	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Bis(2-chloroethyl)ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Bis(2-chloroisopropyl)ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Caprolactam	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Carbazole	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Chrysene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Dibenzofuran	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Fluorene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Hexachlorocyclopentadiene	BRL	860		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Hexachloroethane	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Isophorone	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Naphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Nitrobenzene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Phenanthrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Phenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:12	YH
Surr: 2,4,6-Tribromophenol	67.9	40.4-136		%REC	179180	1	07/31/2013 18:12	YH
Surr: 2-Fluorobiphenyl	71.7	46.1-120		%REC	179180	1	07/31/2013 18:12	YH

Qualifiers:

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- 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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-003
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:15:00 AM
Lab ID:	1307M25-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Surr: 2-Fluorophenol	59.8	35.8-120		%REC	179180	1	07/31/2013 18:12	YH
Surr: 4-Terphenyl-d14	79.9	50.2-134		%REC	179180	1	07/31/2013 18:12	YH
Surr: Nitrobenzene-d5	60.7	38-120		%REC	179180	1	07/31/2013 18:12	YH
Surr: Phenol-d5	57.7	40-120		%REC	179180	1	07/31/2013 18:12	YH
POLYCHLORINATED BIPHENYLS SW8082A				**(SW3550C)**				
Aroclor 1016	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Aroclor 1221	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Aroclor 1232	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Aroclor 1242	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Aroclor 1248	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Aroclor 1254	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Aroclor 1260	BRL	43		ug/Kg-dry	179095	1	07/29/2013 19:50	SN
Surr: Decachlorobiphenyl	69.8	34.7-130		%REC	179095	1	07/29/2013 19:50	SN
Surr: Tetrachloro-m-xylene	67.1	25.6-125		%REC	179095	1	07/29/2013 19:50	SN
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	430		ug/Kg-dry	179134	1	07/30/2013 23:59	EI
Surr: 2-Fluorobiphenyl	65.2	51.9-120		%REC	179134	1	07/30/2013 23:59	EI
Surr: 4-Terphenyl-d14	85	60.2-120		%REC	179134	1	07/30/2013 23:59	EI
Surr: Nitrobenzene-d5	65.9	45.6-120		%REC	179134	1	07/30/2013 23:59	EI
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
4,4´-DDE	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
4,4´-DDT	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Aldrin	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
alpha-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
alpha-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
beta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
delta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Dieldrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Endosulfan I	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Endosulfan II	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Endosulfan sulfate	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Endrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Endrin aldehyde	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Endrin ketone	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
gamma-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
gamma-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Heptachlor	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD

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- Narr See case narrative
- NC Not confirmed
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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-003
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:15:00 AM
Lab ID:	1307M25-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Methoxychlor	BRL	22		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Toxaphene	BRL	220		ug/Kg-dry	178983	1	07/30/2013 18:25	KD
Surr: Decachlorobiphenyl	74.4	25.1-119		%REC	178983	1	07/30/2013 18:25	KD
Surr: Tetrachloro-m-xylene	67.9	28.4-116		%REC	178983	1	07/30/2013 18:25	KD
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.22		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
Barium	70.3	6.22		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
Cadmium	BRL	3.11		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
Chromium	7.72	3.11		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
Lead	6.51	6.22		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
Selenium	BRL	6.22		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
Silver	BRL	3.11		mg/Kg-dry	179121	1	08/01/2013 20:22	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.5	0		wt%	R249160	1	08/01/2013 17:29	EH

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: 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-004
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:20:00 AM
Lab ID:	1307M25-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Dichlorodifluoromethane	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Chloromethane	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Vinyl chloride	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Bromomethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Chloroethane	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Acetone	BRL	77		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Freon-113	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Carbon disulfide	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Methyl acetate	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Methylene chloride	BRL	15		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
2-Butanone	BRL	38		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Chloroform	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Cyclohexane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Benzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Trichloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Methylcyclohexane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Bromodichloromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
4-Methyl-2-pentanone	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Toluene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
2-Hexanone	BRL	7.7		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Tetrachloroethene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Dibromochloromethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Chlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Ethylbenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Styrene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Bromoform	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD

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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-004
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:20:00 AM
Lab ID:	1307M25-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5035)**				
Isopropylbenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Xylenes, Total	BRL	3.8		ug/Kg-dry	179116	1	07/31/2013 16:10	MD
Surr: 4-Bromofluorobenzene	80.4	63.8-133		%REC	179116	1	07/31/2013 16:10	MD
Surr: Dibromofluoromethane	113	74.3-130		%REC	179116	1	07/31/2013 16:10	MD
Surr: Toluene-d8	96.7	72.8-122		%REC	179116	1	07/31/2013 16:10	MD
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.128		mg/Kg-dry	179254	1	08/01/2013 12:50	CG
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
1,1´-Biphenyl	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,4,5-Trichlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,4,6-Trichlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,4-Dichlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,4-Dimethylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,4-Dinitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,4-Dinitrotoluene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2,6-Dinitrotoluene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2-Chloronaphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2-Chlorophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2-Methylnaphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2-Methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
2-Nitrophenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
3,3´-Dichlorobenzidine	BRL	870		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
3-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4,6-Dinitro-2-methylphenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Bromophenyl phenyl ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Chloro-3-methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Chloroaniline	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Chlorophenyl phenyl ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Methylphenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Nitroaniline	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
4-Nitrophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Acenaphthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Acenaphthylene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH

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Analytical Environmental Services, Inc **Date:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-004
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:20:00 AM
Lab ID:	1307M25-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Acetophenone	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Atrazine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Benz(a)anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Benzaldehyde	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Benzo(a)pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Benzo(b)fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Bis(2-chloroethoxy)methane	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Bis(2-chloroethyl)ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Bis(2-chloroisopropyl)ether	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Bis(2-ethylhexyl)phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Butyl benzyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Caprolactam	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Carbazole	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Chrysene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Di-n-butyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Di-n-octyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Dibenzofuran	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Diethyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Dimethyl phthalate	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Fluoranthene	650	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Fluorene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Hexachlorobenzene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Hexachlorobutadiene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Hexachlorocyclopentadiene	BRL	860		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Hexachloroethane	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Isophorone	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
N-Nitrosodi-n-propylamine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
N-Nitrosodiphenylamine	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Naphthalene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Nitrobenzene	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Pentachlorophenol	BRL	2200		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Phenanthrene	540	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Phenol	BRL	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Pyrene	470	430		ug/Kg-dry	179180	1	07/31/2013 18:38	YH
Surr: 2,4,6-Tribromophenol	69	40.4-136		%REC	179180	1	07/31/2013 18:38	YH
Surr: 2-Fluorobiphenyl	71.4	46.1-120		%REC	179180	1	07/31/2013 18:38	YH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-004
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:20:00 AM
Lab ID:	1307M25-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D				**(SW3550C)**				
Surr: 2-Fluorophenol	61.5	35.8-120		%REC	179180	1	07/31/2013 18:38	YH
Surr: 4-Terphenyl-d14	78.3	50.2-134		%REC	179180	1	07/31/2013 18:38	YH
Surr: Nitrobenzene-d5	60.6	38-120		%REC	179180	1	07/31/2013 18:38	YH
Surr: Phenol-d5	58.6	40-120		%REC	179180	1	07/31/2013 18:38	YH
POLYCHLORINATED BIPHENYLS SW8082A				**(SW3550C)**				
Aroclor 1016	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Aroclor 1221	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Aroclor 1232	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Aroclor 1242	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Aroclor 1248	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Aroclor 1254	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Aroclor 1260	BRL	43		ug/Kg-dry	179095	1	07/29/2013 20:20	SN
Surr: Decachlorobiphenyl	63.4	34.7-130		%REC	179095	1	07/29/2013 20:20	SN
Surr: Tetrachloro-m-xylene	46.4	25.6-125		%REC	179095	1	07/29/2013 20:20	SN
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 00:32	EI
Surr: 2-Fluorobiphenyl	70.9	51.9-120		%REC	179134	1	07/31/2013 00:32	EI
Surr: 4-Terphenyl-d14	92.1	60.2-120		%REC	179134	1	07/31/2013 00:32	EI
Surr: Nitrobenzene-d5	71.5	45.6-120		%REC	179134	1	07/31/2013 00:32	EI
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
4,4´-DDE	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
4,4´-DDT	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Aldrin	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
alpha-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
alpha-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
beta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
delta-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Dieldrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Endosulfan I	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Endosulfan II	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Endosulfan sulfate	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Endrin	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Endrin aldehyde	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Endrin ketone	BRL	4.3		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
gamma-BHC	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
gamma-Chlordane	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Heptachlor	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-004
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:20:00 AM
Lab ID:	1307M25-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Methoxychlor	BRL	22		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Toxaphene	BRL	220		ug/Kg-dry	178983	1	07/30/2013 18:36	KD
Surr: Decachlorobiphenyl	63	25.1-119		%REC	178983	1	07/30/2013 18:36	KD
Surr: Tetrachloro-m-xylene	50.7	28.4-116		%REC	178983	1	07/30/2013 18:36	KD
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.97		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
Barium	71.4	5.97		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
Cadmium	BRL	2.99		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
Chromium	7.69	2.99		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
Lead	7.39	5.97		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
Selenium	BRL	5.97		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
Silver	BRL	2.99		mg/Kg-dry	179121	1	08/01/2013 20:25	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.4	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SO-072513-AWY-005
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 11:30:00 AM
Lab ID:	1307M25-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.122		mg/Kg-dry	179254	1	08/01/2013 12:57	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Acenaphthylene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
1-Methylnaphthalene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
2-Methylnaphthalene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Acenaphthene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Fluorene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Phenanthrene	1600	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Anthracene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Fluoranthene	2700	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Pyrene	2100	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Benz(a)anthracene	1300	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Chrysene	1200	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Benzo(b)fluoranthene	1500	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Benzo(k)fluoranthene	540	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Benzo(a)pyrene	1000	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Dibenz(a,h)anthracene	BRL	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Benzo(g,h,i)perylene	810	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Indeno(1,2,3-cd)pyrene	680	400		ug/Kg-dry	179134	1	07/31/2013 01:05	EI
Surr: 2-Fluorobiphenyl	76.8	51.9-120		%REC	179134	1	07/31/2013 01:05	EI
Surr: 4-Terphenyl-d14	99.8	60.2-120		%REC	179134	1	07/31/2013 01:05	EI
Surr: Nitrobenzene-d5	78.5	45.6-120		%REC	179134	1	07/31/2013 01:05	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.67		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
Barium	97.7	5.67		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
Cadmium	BRL	2.84		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
Chromium	10.2	2.84		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
Lead	31.5	5.67		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
Selenium	BRL	5.67		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
Silver	BRL	2.84		mg/Kg-dry	179121	1	08/01/2013 20:29	MR
PERCENT MOISTURE D2216								
Percent Moisture	18.4	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-006
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 1:00:00 PM
Lab ID:	1307M25-006	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.383		mg/Kg-dry	179254	1	08/01/2013 12:59	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Acenaphthylene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
1-Methylnaphthalene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
2-Methylnaphthalene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Acenaphthene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Fluorene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Phenanthrene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Anthracene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Fluoranthene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Pyrene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Benz(a)anthracene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Chrysene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Benzo(b)fluoranthene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Benzo(k)fluoranthene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Benzo(a)pyrene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Dibenz(a,h)anthracene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Benzo(g,h,i)perylene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Indeno(1,2,3-cd)pyrene	BRL	1300		ug/Kg-dry	179134	1	07/31/2013 15:39	EI
Surr: 2-Fluorobiphenyl	59.2	51.9-120		%REC	179134	1	07/31/2013 15:39	EI
Surr: 4-Terphenyl-d14	86.6	60.2-120		%REC	179134	1	07/31/2013 15:39	EI
Surr: Nitrobenzene-d5	58.6	45.6-120		%REC	179134	1	07/31/2013 15:39	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	18.6		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
Barium	199	18.6		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
Cadmium	BRL	9.28		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
Chromium	32.7	9.28		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
Lead	158	18.6		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
Selenium	BRL	18.6		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
Silver	BRL	9.28		mg/Kg-dry	179121	1	08/01/2013 20:33	MR
PERCENT MOISTURE D2216								
Percent Moisture	74.3	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-007
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 1:10:00 PM
Lab ID:	1307M25-007	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.253		mg/Kg-dry	179254	1	08/01/2013 13:01	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Acenaphthylene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
1-Methylnaphthalene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
2-Methylnaphthalene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Acenaphthene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Fluorene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Phenanthrene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Anthracene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Fluoranthene	860	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Pyrene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Benz(a)anthracene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Chrysene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Benzo(b)fluoranthene	860	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Benzo(k)fluoranthene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Benzo(a)pyrene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Dibenz(a,h)anthracene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Benzo(g,h,i)perylene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Indeno(1,2,3-cd)pyrene	BRL	850		ug/Kg-dry	179134	1	07/31/2013 13:26	EI
Surr: 2-Fluorobiphenyl	64.9	51.9-120		%REC	179134	1	07/31/2013 13:26	EI
Surr: 4-Terphenyl-d14	88.2	60.2-120		%REC	179134	1	07/31/2013 13:26	EI
Surr: Nitrobenzene-d5	61.6	45.6-120		%REC	179134	1	07/31/2013 13:26	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	12.7		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
Barium	203	12.7		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
Cadmium	BRL	6.36		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
Chromium	30.8	6.36		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
Lead	159	12.7		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
Selenium	BRL	12.7		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
Silver	BRL	6.36		mg/Kg-dry	179121	1	08/01/2013 20:37	MR
PERCENT MOISTURE D2216								
Percent Moisture	61.1	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-008
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 1:15:00 PM
Lab ID:	1307M25-008	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.134		mg/Kg-dry	179254	1	08/01/2013 13:04	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Acenaphthylene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
1-Methylnaphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
2-Methylnaphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Acenaphthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Fluorene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Phenanthrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Benz(a)anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Chrysene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Benzo(a)pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:12	EI
Surr: 2-Fluorobiphenyl	70.7	51.9-120		%REC	179134	1	07/31/2013 16:12	EI
Surr: 4-Terphenyl-d14	93.2	60.2-120		%REC	179134	1	07/31/2013 16:12	EI
Surr: Nitrobenzene-d5	67.4	45.6-120		%REC	179134	1	07/31/2013 16:12	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.39		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
Barium	50.2	6.39		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
Cadmium	BRL	3.19		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
Chromium	13.8	3.19		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
Lead	49.0	6.39		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
Selenium	BRL	6.39		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
Silver	BRL	3.19		mg/Kg-dry	179121	1	08/01/2013 20:41	MR
PERCENT MOISTURE D2216								
Percent Moisture	25.5	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-009
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 1:20:00 PM
Lab ID:	1307M25-009	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.133		mg/Kg-dry	179254	1	08/01/2013 13:06	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Acenaphthylene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
1-Methylnaphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
2-Methylnaphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Acenaphthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Fluorene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Phenanthrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Benz(a)anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Chrysene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Benzo(a)pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 16:46	EI
Surr: 2-Fluorobiphenyl	76.2	51.9-120		%REC	179134	1	07/31/2013 16:46	EI
Surr: 4-Terphenyl-d14	92.9	60.2-120		%REC	179134	1	07/31/2013 16:46	EI
Surr: Nitrobenzene-d5	72.7	45.6-120		%REC	179134	1	07/31/2013 16:46	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.25		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
Barium	55.4	6.25		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
Cadmium	BRL	3.12		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
Chromium	24.8	3.12		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
Lead	31.4	6.25		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
Selenium	BRL	6.25		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
Silver	BRL	3.12		mg/Kg-dry	179121	1	08/01/2013 20:52	MR
PERCENT MOISTURE D2216								
Percent Moisture	24.9	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-010
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 4:00:00 PM
Lab ID:	1307M25-010	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.356		mg/Kg-dry	179254	1	08/01/2013 13:08	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Acenaphthylene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
1-Methylnaphthalene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
2-Methylnaphthalene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Acenaphthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Fluorene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Phenanthrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Anthracene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Fluoranthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Pyrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Benz(a)anthracene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Chrysene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Benzo(b)fluoranthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Benzo(k)fluoranthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Benzo(a)pyrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Dibenz(a,h)anthracene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Benzo(g,h,i)perylene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Indeno(1,2,3-cd)pyrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 17:19	EI
Surr: 2-Fluorobiphenyl	79.8	51.9-120		%REC	179134	1	07/31/2013 17:19	EI
Surr: 4-Terphenyl-d14	106	60.2-120		%REC	179134	1	07/31/2013 17:19	EI
Surr: Nitrobenzene-d5	77.1	45.6-120		%REC	179134	1	07/31/2013 17:19	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	17.0		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
Barium	228	17.0		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
Cadmium	BRL	8.51		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
Chromium	36.6	8.51		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
Lead	221	17.0		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
Selenium	BRL	17.0		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
Silver	BRL	8.51		mg/Kg-dry	179121	1	08/01/2013 20:56	MR
PERCENT MOISTURE D2216								
Percent Moisture	72.3	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-011
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 4:20:00 PM
Lab ID:	1307M25-011	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.216		mg/Kg-dry	179254	1	08/01/2013 13:10	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Acenaphthylene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
1-Methylnaphthalene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
2-Methylnaphthalene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Acenaphthene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Fluorene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Phenanthrene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Anthracene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Fluoranthene	800	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Pyrene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Benz(a)anthracene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Chrysene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Benzo(b)fluoranthene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Benzo(k)fluoranthene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Benzo(a)pyrene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Dibenz(a,h)anthracene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Benzo(g,h,i)perylene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Indeno(1,2,3-cd)pyrene	BRL	730		ug/Kg-dry	179134	1	07/31/2013 17:53	EI
Surr: 2-Fluorobiphenyl	71.7	51.9-120		%REC	179134	1	07/31/2013 17:53	EI
Surr: 4-Terphenyl-d14	95.4	60.2-120		%REC	179134	1	07/31/2013 17:53	EI
Surr: Nitrobenzene-d5	70.7	45.6-120		%REC	179134	1	07/31/2013 17:53	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	10.1		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
Barium	119	10.1		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
Cadmium	BRL	5.05		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
Chromium	22.4	5.05		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
Lead	133	10.1		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
Selenium	BRL	10.1		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
Silver	BRL	5.05		mg/Kg-dry	179121	1	08/01/2013 21:00	MR
PERCENT MOISTURE D2216								
Percent Moisture	54.7	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-012
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 4:30:00 PM
Lab ID:	1307M25-012	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.390	0.238		mg/Kg-dry	179254	1	08/01/2013 13:12	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Acenaphthylene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
1-Methylnaphthalene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
2-Methylnaphthalene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Acenaphthene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Fluorene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Phenanthrene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Anthracene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Fluoranthene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Pyrene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Benz(a)anthracene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Chrysene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Benzo(b)fluoranthene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Benzo(k)fluoranthene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Benzo(a)pyrene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Dibenz(a,h)anthracene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Benzo(g,h,i)perylene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Indeno(1,2,3-cd)pyrene	BRL	790		ug/Kg-dry	179134	1	07/31/2013 18:26	EI
Surr: 2-Fluorobiphenyl	71.5	51.9-120		%REC	179134	1	07/31/2013 18:26	EI
Surr: 4-Terphenyl-d14	91.9	60.2-120		%REC	179134	1	07/31/2013 18:26	EI
Surr: Nitrobenzene-d5	68.5	45.6-120		%REC	179134	1	07/31/2013 18:26	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	11.1		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
Barium	172	11.1		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
Cadmium	BRL	5.54		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
Chromium	30.7	5.54		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
Lead	277	11.1		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
Selenium	BRL	11.1		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
Silver	BRL	5.54		mg/Kg-dry	179121	1	08/01/2013 21:04	MR
PERCENT MOISTURE D2216								
Percent Moisture	58.0	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-013
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 4:40:00 PM
Lab ID:	1307M25-013	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.129		mg/Kg-dry	179254	1	08/01/2013 13:15	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Acenaphthylene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
1-Methylnaphthalene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
2-Methylnaphthalene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Acenaphthene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Fluorene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Phenanthrene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Anthracene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Fluoranthene	810	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Pyrene	640	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Benz(a)anthracene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Chrysene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Benzo(b)fluoranthene	530	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Benzo(k)fluoranthene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Benzo(a)pyrene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Dibenz(a,h)anthracene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Benzo(g,h,i)perylene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Indeno(1,2,3-cd)pyrene	BRL	430		ug/Kg-dry	179134	1	07/31/2013 18:59	EI
Surr: 2-Fluorobiphenyl	82.8	51.9-120		%REC	179134	1	07/31/2013 18:59	EI
Surr: 4-Terphenyl-d14	103	60.2-120		%REC	179134	1	07/31/2013 18:59	EI
Surr: Nitrobenzene-d5	82.7	45.6-120		%REC	179134	1	07/31/2013 18:59	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.30		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
Barium	22.0	6.30		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
Cadmium	BRL	3.15		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
Chromium	6.30	3.15		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
Lead	18.6	6.30		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
Selenium	BRL	6.30		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
Silver	BRL	3.15		mg/Kg-dry	179121	1	08/01/2013 21:08	MR
PERCENT MOISTURE D2216								
Percent Moisture	23.7	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072513-SAG-014
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/25/2013 4:50:00 PM
Lab ID:	1307M25-014	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.273	0.245		mg/Kg-dry	179254	1	08/01/2013 13:17	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Acenaphthylene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
1-Methylnaphthalene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
2-Methylnaphthalene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Acenaphthene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Fluorene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Phenanthrene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Anthracene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Fluoranthene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Pyrene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Benz(a)anthracene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Chrysene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Benzo(b)fluoranthene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Benzo(k)fluoranthene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Benzo(a)pyrene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Dibenz(a,h)anthracene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Benzo(g,h,i)perylene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Indeno(1,2,3-cd)pyrene	BRL	820		ug/Kg-dry	179134	1	07/31/2013 19:33	EI
Surr: 2-Fluorobiphenyl	73.5	51.9-120		%REC	179134	1	07/31/2013 19:33	EI
Surr: 4-Terphenyl-d14	91.5	60.2-120		%REC	179134	1	07/31/2013 19:33	EI
Surr: Nitrobenzene-d5	73.8	45.6-120		%REC	179134	1	07/31/2013 19:33	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	12.0		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
Barium	150	12.0		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
Cadmium	BRL	6.02		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
Chromium	29.7	6.02		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
Lead	224	12.0		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
Selenium	BRL	12.0		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
Silver	BRL	6.02		mg/Kg-dry	179121	1	08/01/2013 21:11	MR
PERCENT MOISTURE D2216								
Percent Moisture	59.8	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072613-SAG-015
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013 8:25:00 AM
Lab ID:	1307M25-015	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.130		mg/Kg-dry	179254	1	08/01/2013 13:23	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Acenaphthylene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
1-Methylnaphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
2-Methylnaphthalene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Acenaphthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Fluorene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Phenanthrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Benz(a)anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Chrysene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Benzo(b)fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Benzo(k)fluoranthene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Benzo(a)pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Dibenz(a,h)anthracene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Benzo(g,h,i)perylene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Indeno(1,2,3-cd)pyrene	BRL	440		ug/Kg-dry	179134	1	07/31/2013 20:06	EI
Surr: 2-Fluorobiphenyl	72.9	51.9-120		%REC	179134	1	07/31/2013 20:06	EI
Surr: 4-Terphenyl-d14	95.8	60.2-120		%REC	179134	1	07/31/2013 20:06	EI
Surr: Nitrobenzene-d5	66.4	45.6-120		%REC	179134	1	07/31/2013 20:06	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	6.18		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
Barium	26.2	6.18		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
Cadmium	BRL	3.09		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
Chromium	6.39	3.09		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
Lead	142	6.18		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
Selenium	BRL	6.18		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
Silver	BRL	3.09		mg/Kg-dry	179121	1	08/01/2013 21:15	MR
PERCENT MOISTURE D2216								
Percent Moisture	24.7	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072613-SAG-016
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013 9:00:00 AM
Lab ID:	1307M25-016	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	0.141	0.113		mg/Kg-dry	179254	1	08/01/2013 13:26	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Acenaphthylene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
1-Methylnaphthalene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
2-Methylnaphthalene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Acenaphthene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Fluorene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Phenanthrene	1100	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Anthracene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Fluoranthene	1700	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Pyrene	1300	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Benz(a)anthracene	770	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Chrysene	730	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Benzo(b)fluoranthene	1000	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Benzo(k)fluoranthene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Benzo(a)pyrene	630	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Dibenz(a,h)anthracene	BRL	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Benzo(g,h,i)perylene	500	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Indeno(1,2,3-cd)pyrene	420	370		ug/Kg-dry	179134	1	07/30/2013 19:34	EI
Surr: 2-Fluorobiphenyl	63.7	51.9-120		%REC	179134	1	07/30/2013 19:34	EI
Surr: 4-Terphenyl-d14	83.1	60.2-120		%REC	179134	1	07/30/2013 19:34	EI
Surr: Nitrobenzene-d5	68.8	45.6-120		%REC	179134	1	07/30/2013 19:34	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	16.0	5.64		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
Barium	108	5.64		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
Cadmium	BRL	2.82		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
Chromium	9.22	2.82		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
Lead	42.0	5.64		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
Selenium	BRL	5.64		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
Silver	BRL	2.82		mg/Kg-dry	179121	1	08/01/2013 21:19	MR
PERCENT MOISTURE D2216								
Percent Moisture	11.7	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072613-SAG-017
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013 9:30:00 AM
Lab ID:	1307M25-017	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.353		mg/Kg-dry	179254	1	08/01/2013 13:28	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Acenaphthylene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
1-Methylnaphthalene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
2-Methylnaphthalene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Acenaphthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Fluorene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Phenanthrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Anthracene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Fluoranthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Pyrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Benz(a)anthracene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Chrysene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Benzo(b)fluoranthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Benzo(k)fluoranthene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Benzo(a)pyrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Dibenz(a,h)anthracene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Benzo(g,h,i)perylene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Indeno(1,2,3-cd)pyrene	BRL	1200		ug/Kg-dry	179134	1	07/31/2013 20:39	EI
Surr: 2-Fluorobiphenyl	77.3	51.9-120		%REC	179134	1	07/31/2013 20:39	EI
Surr: 4-Terphenyl-d14	100	60.2-120		%REC	179134	1	07/31/2013 20:39	EI
Surr: Nitrobenzene-d5	76.1	45.6-120		%REC	179134	1	07/31/2013 20:39	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	17.1		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
Barium	222	17.1		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
Cadmium	BRL	8.57		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
Chromium	31.7	8.57		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
Lead	220	17.1		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
Selenium	BRL	17.1		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
Silver	BRL	8.57		mg/Kg-dry	179121	1	08/01/2013 21:23	MR
PERCENT MOISTURE D2216								
Percent Moisture	72.0	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072613-SAG-018
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013 9:45:00 AM
Lab ID:	1307M25-018	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.264		mg/Kg-dry	179254	1	08/01/2013 13:30	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Acenaphthylene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
1-Methylnaphthalene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
2-Methylnaphthalene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Acenaphthene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Fluorene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Phenanthrene	1400	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Anthracene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Fluoranthene	3400	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Pyrene	2700	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Benz(a)anthracene	1700	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Chrysene	1800	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Benzo(b)fluoranthene	2600	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Benzo(k)fluoranthene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Benzo(a)pyrene	1600	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Dibenz(a,h)anthracene	BRL	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Benzo(g,h,i)perylene	1500	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Indeno(1,2,3-cd)pyrene	1200	880		ug/Kg-dry	179191	1	07/31/2013 21:12	EI
Surr: 2-Fluorobiphenyl	73.3	51.9-120		%REC	179191	1	07/31/2013 21:12	EI
Surr: 4-Terphenyl-d14	90.3	60.2-120		%REC	179191	1	07/31/2013 21:12	EI
Surr: Nitrobenzene-d5	75.8	45.6-120		%REC	179191	1	07/31/2013 21:12	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	12.4		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
Barium	173	12.4		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
Cadmium	BRL	6.18		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
Chromium	27.2	6.18		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
Lead	230	12.4		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
Selenium	BRL	12.4		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
Silver	BRL	6.18		mg/Kg-dry	179121	1	08/01/2013 21:27	MR
PERCENT MOISTURE D2216								
Percent Moisture	62.3	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072613-SAG-019
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013 10:00:00 AM
Lab ID:	1307M25-019	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.164		mg/Kg-dry	179254	1	08/01/2013 13:32	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Acenaphthylene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
1-Methylnaphthalene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
2-Methylnaphthalene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Acenaphthene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Fluorene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Phenanthrene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Anthracene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Fluoranthene	580	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Pyrene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Benz(a)anthracene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Chrysene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Benzo(b)fluoranthene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Benzo(k)fluoranthene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Benzo(a)pyrene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Dibenz(a,h)anthracene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Benzo(g,h,i)perylene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Indeno(1,2,3-cd)pyrene	BRL	540		ug/Kg-dry	179191	1	07/31/2013 21:45	EI
Surr: 2-Fluorobiphenyl	71	51.9-120		%REC	179191	1	07/31/2013 21:45	EI
Surr: 4-Terphenyl-d14	89.2	60.2-120		%REC	179191	1	07/31/2013 21:45	EI
Surr: Nitrobenzene-d5	67.1	45.6-120		%REC	179191	1	07/31/2013 21:45	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	7.69		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
Barium	70.7	7.69		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
Cadmium	BRL	3.84		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
Chromium	12.5	3.84		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
Lead	61.7	7.69		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
Selenium	BRL	7.69		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
Silver	BRL	3.84		mg/Kg-dry	179121	1	08/01/2013 21:38	MR
PERCENT MOISTURE D2216								
Percent Moisture	39.0	0		wt%	R249160	1	08/01/2013 17:29	EH

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	SE-072613-SAG-020
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013 10:25:00 AM
Lab ID:	1307M25-020	**Matrix:**	Sediment

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.117		mg/Kg-dry	179254	1	08/01/2013 13:34	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Acenaphthylene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
1-Methylnaphthalene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
2-Methylnaphthalene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Acenaphthene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Fluorene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Phenanthrene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Anthracene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Fluoranthene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Pyrene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Benz(a)anthracene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Chrysene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Benzo(b)fluoranthene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Benzo(a)pyrene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	179191	1	07/31/2013 22:18	EI
Surr: 2-Fluorobiphenyl	81.2	51.9-120		%REC	179191	1	07/31/2013 22:18	EI
Surr: 4-Terphenyl-d14	97.1	60.2-120		%REC	179191	1	07/31/2013 22:18	EI
Surr: Nitrobenzene-d5	79.3	45.6-120		%REC	179191	1	07/31/2013 22:18	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.52		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
Barium	36.2	5.52		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
Cadmium	BRL	2.76		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
Chromium	6.88	2.76		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
Lead	13.4	5.52		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
Selenium	BRL	5.52		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
Silver	BRL	2.76		mg/Kg-dry	179121	1	08/01/2013 21:42	MR
PERCENT MOISTURE D2216								
Percent Moisture	15.6	0		wt%	R249160	1	08/01/2013 17:29	EH

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: 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013
Lab ID:	1307M25-021	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,1,2-Trichloroethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,1-Dichloroethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,1-Dichloroethene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,2-Dibromoethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,2-Dichlorobenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,2-Dichloroethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,2-Dichloropropane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,3-Dichlorobenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
1,4-Dichlorobenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
2-Butanone	BRL	50		ug/L	179204	1	07/31/2013 06:59	GK
2-Hexanone	BRL	10		ug/L	179204	1	07/31/2013 06:59	GK
4-Methyl-2-pentanone	BRL	10		ug/L	179204	1	07/31/2013 06:59	GK
Acetone	BRL	50		ug/L	179204	1	07/31/2013 06:59	GK
Benzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Bromodichloromethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Bromoform	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Bromomethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Carbon disulfide	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Carbon tetrachloride	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Chlorobenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Chloroethane	BRL	10		ug/L	179204	1	07/31/2013 06:59	GK
Chloroform	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Chloromethane	BRL	10		ug/L	179204	1	07/31/2013 06:59	GK
cis-1,2-Dichloroethene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
cis-1,3-Dichloropropene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Cyclohexane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Dibromochloromethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Dichlorodifluoromethane	BRL	10		ug/L	179204	1	07/31/2013 06:59	GK
Ethylbenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Freon-113	BRL	10		ug/L	179204	1	07/31/2013 06:59	GK
Isopropylbenzene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Methyl acetate	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Methyl tert-butyl ether	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Methylcyclohexane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Methylene chloride	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Styrene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Tetrachloroethene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK

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:** 2-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	7/26/2013
Lab ID:	1307M25-021	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
Toluene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
trans-1,2-Dichloroethene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
trans-1,3-Dichloropropene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Trichloroethene	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Trichlorofluoromethane	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Vinyl chloride	BRL	2.0		ug/L	179204	1	07/31/2013 06:59	GK
Xylenes, Total	BRL	5.0		ug/L	179204	1	07/31/2013 06:59	GK
Surr: 4-Bromofluorobenzene	94.9	64.6-123		%REC	179204	1	07/31/2013 06:59	GK
Surr: Dibromofluoromethane	100	76.6-133		%REC	179204	1	07/31/2013 06:59	GK
Surr: Toluene-d8	99	77.8-120		%REC	179204	1	07/31/2013 06:59	GK

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 Conestoga Work Order Number 1307M25

Checklist completed by [signature] 7/26/13
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 3.2° 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

Client: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 178983

Sample ID: **MB-178983** Client ID: Units: **ug/Kg** Prep Date: **07/29/2013** Run No: **248922**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **178983** Analysis Date: **07/30/2013** Seq No: **5216803**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	14.79	0	16.67		88.7	25.1	119				
Surr: Tetrachloro-m-xylene	11.02	0	16.67		66.1	28.4	116				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 178983

Sample ID: **LCS-178983** Client ID: Units: **ug/Kg** Prep Date: **07/29/2013** Run No: **248922**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **178983** Analysis Date: **07/30/2013** Seq No: **5216804**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	25.83	3.3	33.33		77.5	41.7	134				
Aldrin	21.32	1.7	33.33		64.0	40.6	115				
Dieldrin	24.92	3.3	33.33		74.8	44.2	122				
Endrin	25.66	3.3	33.33		77.0	42.9	126				
gamma-BHC	20.80	1.7	33.33		62.4	40.4	120				
Heptachlor	22.77	1.7	33.33		68.3	41.1	117				
Surr: Decachlorobiphenyl	11.11	0	16.67		66.6	25.1	119				
Surr: Tetrachloro-m-xylene	8.899	0	16.67		53.4	28.4	116				

Sample ID: **1307J51-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/29/2013** Run No: **248922**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **178983** Analysis Date: **07/30/2013** Seq No: **5218694**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	21.30	3.5	34.61		61.5	28.4	130				
Aldrin	21.75	1.7	34.61		62.8	31.8	117				
Dieldrin	24.38	3.5	34.61		70.4	30.7	131				
Endrin	24.49	3.5	34.61		70.7	38.3	129				
gamma-BHC	21.45	1.7	34.61		62.0	32.4	127				
Heptachlor	23.35	1.7	34.61		67.5	32	122				
Surr: Decachlorobiphenyl	10.05	0	17.31		58.0	25.1	119				
Surr: Tetrachloro-m-xylene	9.848	0	17.31		56.9	28.4	116				

Sample ID: **1307J51-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **07/29/2013** Run No: **248922**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **178983** Analysis Date: **07/30/2013** Seq No: **5218702**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	24.04	3.5	34.59		69.5	28.4	130	21.30	12.1	28.6	
Aldrin	20.08	1.7	34.59		58.0	31.8	117	21.75	8.00	26	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 178983

Sample ID: **1307J51-001AMSD** Client ID:
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B**
Units: **ug/Kg-dry** Prep Date: **07/29/2013** Run No: **248922**
BatchID: **178983** Analysis Date: **07/30/2013** Seq No: **5218702**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	26.06	3.5	34.59		75.4	30.7	131	24.38	6.69	21.4	
Endrin	26.28	3.5	34.59		76.0	38.3	129	24.49	7.06	21.4	
gamma-BHC	20.61	1.7	34.59		59.6	32.4	127	21.45	4.02	26.1	
Heptachlor	21.93	1.7	34.59		63.4	32	122	23.35	6.27	28.9	
Surr: Decachlorobiphenyl	11.14	0	17.30		64.4	25.1	119	10.05	0	0	
Surr: Tetrachloro-m-xylene	8.627	0	17.30		49.9	28.4	116	9.848	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179095

Sample ID: **MB-179095** Client ID: Units: **ug/Kg** Prep Date: **07/29/2013** Run No: **248905**
SampleType: **MBLK** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A** BatchID: **179095** Analysis Date: **07/29/2013** Seq No: **5216203**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	BRL	33									
Aroclor 1221	BRL	33									
Aroclor 1232	BRL	33									
Aroclor 1242	BRL	33									
Aroclor 1248	BRL	33									
Aroclor 1254	BRL	33									
Aroclor 1260	BRL	33									
Surr: Decachlorobiphenyl	14.91	0	16.67		89.4	34.7	130				
Surr: Tetrachloro-m-xylene	12.04	0	16.67		72.2	25.6	125				

Sample ID: **LCS-179095** Client ID: Units: **ug/Kg** Prep Date: **07/29/2013** Run No: **248905**
SampleType: **LCS** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A** BatchID: **179095** Analysis Date: **07/29/2013** Seq No: **5216209**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	131.5	33	166.7		78.9	58.1	117				
Aroclor 1260	142.0	33	166.7		85.2	58.9	121				
Surr: Decachlorobiphenyl	13.43	0	16.67		80.5	34.7	130				
Surr: Tetrachloro-m-xylene	10.10	0	16.67		60.6	25.6	125				

Sample ID: **1307M46-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/29/2013** Run No: **248905**
SampleType: **MS** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A** BatchID: **179095** Analysis Date: **07/29/2013** Seq No: **5216222**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	147.0	40	199.5		73.7	44.1	130				
Aroclor 1260	143.6	40	199.5		72.0	40.8	128				
Surr: Decachlorobiphenyl	14.18	0	19.96		71.1	34.7	130				
Surr: Tetrachloro-m-xylene	10.17	0	19.96		51.0	25.6	125				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179095

Sample ID: **1307M46-001AMSD** Client ID:
SampleType: **MSD** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A**
Units: **ug/Kg-dry** Prep Date: **07/29/2013** Run No: **248905**
BatchID: **179095** Analysis Date: **07/29/2013** Seq No: **5216224**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	156.5	40	199.4		78.5	44.1	130	147.0	6.26	30.7	
Aroclor 1260	167.0	40	199.4		83.8	40.8	128	143.6	15.1	27.1	
Surr: Decachlorobiphenyl	15.44	0	19.94		77.4	34.7	130	14.18	0	0	
Surr: Tetrachloro-m-xylene	12.21	0	19.94		61.2	25.6	125	10.17	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179116

Sample ID: **MB-179116** Client ID: Units: **ug/Kg** Prep Date: **07/26/2013** Run No: **248760**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179116** Analysis Date: **07/26/2013** Seq No: **5214718**

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									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	100									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179116

Sample ID: **MB-179116** Client ID: Units: **ug/Kg** Prep Date: **07/26/2013** Run No: **248760**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179116** Analysis Date: **07/26/2013** Seq No: **5214718**

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									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	40.35	0	50.00		80.7	63.8	133				
Surr: Dibromofluoromethane	53.57	0	50.00		107	74.3	130				
Surr: Toluene-d8	47.90	0	50.00		95.8	72.8	122				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179116

Sample ID: **LCS-179116** Client ID: Units: **ug/Kg** Prep Date: **07/26/2013** Run No: **248760**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179116** Analysis Date: **07/26/2013** Seq No: **5214731**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	63.07	5.0	50.00		126	63.1	140				
Benzene	56.45	5.0	50.00		113	70.2	130				
Chlorobenzene	60.66	5.0	50.00		121	70	126				
Toluene	58.57	5.0	50.00		117	70.5	130				
Trichloroethene	57.40	5.0	50.00		115	70	135				
Surr: 4-Bromofluorobenzene	54.35	0	50.00		109	63.8	133				
Surr: Dibromofluoromethane	50.86	0	50.00		102	74.3	130				
Surr: Toluene-d8	50.39	0	50.00		101	72.8	122				

Sample ID: **1307L49-008AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/26/2013** Run No: **248760**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179116** Analysis Date: **07/26/2013** Seq No: **5214719**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	87.34	6.9	68.75		127	58.8	157				
Benzene	77.46	6.9	68.75		113	66.3	139				
Chlorobenzene	84.31	6.9	68.75		123	67.8	131				
Toluene	84.23	6.9	68.75		123	66	138				
Trichloroethene	79.48	6.9	68.75		116	72.5	141				
Surr: 4-Bromofluorobenzene	75.48	0	68.75		110	63.8	133				
Surr: Dibromofluoromethane	71.65	0	68.75		104	74.3	130				
Surr: Toluene-d8	69.64	0	68.75		101	72.8	122				

Sample ID: **1307L49-008AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **07/26/2013** Run No: **248760**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179116** Analysis Date: **07/26/2013** Seq No: **5214720**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	77.52	6.9	68.75		113	58.8	157	87.34	11.9	21.9	
Benzene	70.78	6.9	68.75		103	66.3	139	77.46	9.02	22.3	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179116

Sample ID: **1307L49-008AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/Kg-dry** Prep Date: **07/26/2013** Run No: **248760**
BatchID: **179116** Analysis Date: **07/26/2013** Seq No: **5214720**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	76.17	6.9	68.75		111	67.8	131	84.31	10.1	17.3	
Toluene	72.94	6.9	68.75		106	66	138	84.23	14.4	18.1	
Trichloroethene	70.62	6.9	68.75		103	72.5	141	79.48	11.8	18.7	
Surr: 4-Bromofluorobenzene	72.58	0	68.75		106	63.8	133	75.48	0	0	
Surr: Dibromofluoromethane	71.22	0	68.75		104	74.3	130	71.65	0	0	
Surr: Toluene-d8	69.20	0	68.75		101	72.8	122	69.64	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179121

Sample ID: **MB-179121** Client ID: Units: **mg/Kg** Prep Date: **08/01/2013** Run No: **249186**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179121** Analysis Date: **08/01/2013** Seq No: **5222038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: **LCS-179121** Client ID: Units: **mg/Kg** Prep Date: **08/01/2013** Run No: **249186**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179121** Analysis Date: **08/01/2013** Seq No: **5222036**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	49.36	5.00	50.00		98.7	80	120				
Barium	50.31	5.00	50.00		101	80	120				
Cadmium	49.42	2.50	50.00		98.8	80	120				
Chromium	51.49	2.50	50.00	0.07418	103	80	120				
Lead	48.69	5.00	50.00	0.07087	97.2	80	120				
Selenium	48.95	5.00	50.00		97.9	80	120				
Silver	4.770	2.50	5.000		95.4	80	120				

Sample ID: **1307M25-001DMS** Client ID: **SO-072513-AWY-001** Units: **mg/Kg-dry** Prep Date: **08/01/2013** Run No: **249186**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179121** Analysis Date: **08/01/2013** Seq No: **5222040**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	39.17	6.13	61.33		63.9	75	125				S
Barium	157.0	6.13	61.33	121.5	57.9	75	125				S
Cadmium	58.20	3.07	61.33		94.9	75	125				
Chromium	68.27	3.07	61.33	8.337	97.7	75	125				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179121

Sample ID: **1307M25-001DMS** Client ID: **SO-072513-AWY-001** Units: **mg/Kg-dry** Prep Date: **08/01/2013** Run No: **249186**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **179121** Analysis Date: **08/01/2013** Seq No: **5222040**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	61.14	6.13	61.33	5.090	91.4	75	125				
Selenium	14.32	6.13	61.33		23.3	75	125				S
Silver	5.314	3.07	6.133		86.6	75	125				

Sample ID: **1307M25-001DMSD** Client ID: **SO-072513-AWY-001** Units: **mg/Kg-dry** Prep Date: **08/01/2013** Run No: **249186**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **179121** Analysis Date: **08/01/2013** Seq No: **5222043**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	42.45	6.15	61.54		69.0	75	125	39.17	8.04	20	S
Barium	163.7	6.15	61.54	121.5	68.6	75	125	157.0	4.20	20	S
Cadmium	59.01	3.08	61.54		95.9	75	125	58.20	1.39	20	
Chromium	68.50	3.08	61.54	8.337	97.8	75	125	68.27	0.332	20	
Lead	60.81	6.15	61.54	5.090	90.5	75	125	61.14	0.539	20	
Selenium	18.20	6.15	61.54		29.6	75	125	14.32	23.9	20	SR
Silver	5.330	3.08	6.154		86.6	75	125	5.314	0.298	20	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179134

Sample ID: **MB-179134**	Client ID:		Units: **ug/Kg**	Prep Date: **07/30/2013**	Run No: **248998**
SampleType: **MBLK**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **179134**	Analysis Date: **07/30/2013**	Seq No: **5218314**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330									
Surr: 2-Fluorobiphenyl	1469	0	1667		88.1	51.9	120				
Surr: 4-Terphenyl-d14	1790	0	1667		107	60.2	120				
Surr: Nitrobenzene-d5	1378	0	1667		82.7	45.6	120				

Sample ID: **LCS-179134**	Client ID:		Units: **ug/Kg**	Prep Date: **07/30/2013**	Run No: **248998**
SampleType: **LCS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **179134**	Analysis Date: **07/30/2013**	Seq No: **5218315**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1409	330	1667		84.6	61.9	120				
Surr: 2-Fluorobiphenyl	1480	0	1667		88.8	51.9	120				
Surr: 4-Terphenyl-d14	1728	0	1667		104	60.2	120				
Surr: Nitrobenzene-d5	1419	0	1667		85.2	45.6	120				

Sample ID: **1307M25-016AMS**	Client ID: **SE-072613-SAG-016**		Units: **ug/Kg-dry**	Prep Date: **07/30/2013**	Run No: **248998**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **179134**	Analysis Date: **07/30/2013**	Seq No: **5218317**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1342	370	1883		71.3	53.7	120				
Surr: 2-Fluorobiphenyl	1274	0	1883		67.7	51.9	120				
Surr: 4-Terphenyl-d14	1605	0	1883		85.3	60.2	120				
Surr: Nitrobenzene-d5	1181	0	1883		62.7	45.6	120				

Sample ID: **1307M25-016AMSD**	Client ID: **SE-072613-SAG-016**		Units: **ug/Kg-dry**	Prep Date: **07/30/2013**	Run No: **248998**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**		BatchID: **179134**	Analysis Date: **07/30/2013**	Seq No: **5218318**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1276	370	1884		67.7	53.7	120	1342	5.02	27.3	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179134

Sample ID: **1307M25-016AMSD** Client ID: **SE-072613-SAG-016** Units: **ug/Kg-dry** Prep Date: **07/30/2013** Run No: **248998**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179134** Analysis Date: **07/30/2013** Seq No: **5218318**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2-Fluorobiphenyl	1293	0	1885		68.6	51.9	120	1274	0	0	
Surr: 4-Terphenyl-d14	1594	0	1885		84.6	60.2	120	1605	0	0	
Surr: Nitrobenzene-d5	1233	0	1885		65.4	45.6	120	1181	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179180

Sample ID: **MB-179180** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220213**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1´-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3´-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179180

Sample ID: **MB-179180** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220213**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179180

Sample ID: **MB-179180** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **MBLK** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220213**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2249	0	3333		67.5	40.4	136				
Surr: 2-Fluorobiphenyl	1151	0	1667		69.1	46.1	120				
Surr: 2-Fluorophenol	1889	0	3333		56.7	35.8	120				
Surr: 4-Terphenyl-d14	1350	0	1667		81.0	50.2	134				
Surr: Nitrobenzene-d5	954.0	0	1667		57.2	38	120				
Surr: Phenol-d5	1836	0	3333		55.1	40	120				

Sample ID: **LCS-179180** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220215**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	2549	330	3333		76.5	54.7	120				
2-Chlorophenol	2392	330	3333		71.8	54.5	120				
4-Chloro-3-methylphenol	2715	330	3333		81.4	56.6	120				
4-Nitrophenol	2605	1700	3333		78.2	40.4	120				
Acenaphthene	2576	330	3333		77.3	59.9	120				
N-Nitrosodi-n-propylamine	2177	330	3333		65.3	53.2	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179180

Sample ID: **LCS-179180** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **LCS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220215**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	3046	1700	3333		91.4	41	120				
Phenol	2483	330	3333		74.5	50.5	120				
Pyrene	2463	330	3333		73.9	60.2	121				
Surr: 2,4,6-Tribromophenol	2710	0	3333		81.3	40.4	136				
Surr: 2-Fluorobiphenyl	1424	0	1667		85.5	46.1	120				
Surr: 2-Fluorophenol	2170	0	3333		65.1	35.8	120				
Surr: 4-Terphenyl-d14	1490	0	1667		89.4	50.2	134				
Surr: Nitrobenzene-d5	1184	0	1667		71.0	38	120				
Surr: Phenol-d5	2098	0	3333		62.9	40	120				

Sample ID: **1307M25-004CMS** Client ID: **SO-072513-AWY-004** Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220222**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	3079	430	4354		70.7	41.6	120				
2-Chlorophenol	2983	430	4354		68.5	45.5	120				
4-Chloro-3-methylphenol	3335	430	4354		76.6	39.1	118				
4-Nitrophenol	3229	2200	4354		74.2	31.4	120				
Acenaphthene	3205	430	4354	50.04	72.5	50	120				
N-Nitrosodi-n-propylamine	2724	430	4354		62.6	50.5	120				
Pentachlorophenol	3951	2200	4354		90.7	30.1	120				
Phenol	3096	430	4354		71.1	42.2	120				
Pyrene	3303	430	4354	472.5	65.0	46.7	115				
Surr: 2,4,6-Tribromophenol	3315	0	4354		76.1	40.4	136				
Surr: 2-Fluorobiphenyl	1701	0	2177		78.1	46.1	120				
Surr: 2-Fluorophenol	2641	0	4354		60.7	35.8	120				
Surr: 4-Terphenyl-d14	1829	0	2177		84.0	50.2	134				
Surr: Nitrobenzene-d5	1433	0	2177		65.8	38	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179180

Sample ID: **1307M25-004CMS** Client ID: **SO-072513-AWY-004** Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **MS** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220222**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Phenol-d5	2579	0	4354		59.2	40	120				

Sample ID: **1307M25-004CMSD** Client ID: **SO-072513-AWY-004** Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249093**
SampleType: **MSD** TestCode: **TCL-SEMIVOLATILE ORGANICS SW8270D** BatchID: **179180** Analysis Date: **07/31/2013** Seq No: **5220224**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-Dinitrotoluene	3081	430	4353		70.8	41.6	120	3079	0.080	28.2	
2-Chlorophenol	2901	430	4353		66.6	45.5	120	2983	2.82	28.7	
4-Chloro-3-methylphenol	3389	430	4353		77.9	39.1	118	3335	1.61	31.3	
4-Nitrophenol	3250	2200	4353		74.7	31.4	120	3229	0.652	29.3	
Acenaphthene	3235	430	4353	50.04	73.2	50	120	3205	0.913	26.5	
N-Nitrosodi-n-propylamine	2665	430	4353		61.2	50.5	120	2724	2.20	24.2	
Pentachlorophenol	3856	2200	4353		88.6	30.1	120	3951	2.44	34.9	
Phenol	3013	430	4353		69.2	42.2	120	3096	2.71	27.1	
Pyrene	3310	430	4353	472.5	65.2	46.7	115	3303	0.217	30.2	
Surr: 2,4,6-Tribromophenol	3383	0	4353		77.7	40.4	136	3315	0	0	
Surr: 2-Fluorobiphenyl	1731	0	2176		79.5	46.1	120	1701	0	0	
Surr: 2-Fluorophenol	2583	0	4353		59.3	35.8	120	2641	0	0	
Surr: 4-Terphenyl-d14	1818	0	2176		83.5	50.2	134	1829	0	0	
Surr: Nitrobenzene-d5	1463	0	2176		67.2	38	120	1433	0	0	
Surr: Phenol-d5	2531	0	4353		58.1	40	120	2579	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179191

Sample ID: **MB-179191** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249055**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179191** Analysis Date: **07/31/2013** Seq No: **5219357**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330									
2-Methylnaphthalene	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Phenanthrene	BRL	330									
Pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1215	0	1667		72.9	51.9	120				
Surr: 4-Terphenyl-d14	1534	0	1667		92.1	60.2	120				
Surr: Nitrobenzene-d5	1257	0	1667		75.4	45.6	120				

Sample ID: **LCS-179191** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249055**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179191** Analysis Date: **07/31/2013** Seq No: **5219363**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1398	330	1667		83.9	61.9	120				
2-Methylnaphthalene	1366	330	1667		82.0	60.9	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179191

Sample ID: **LCS-179191** Client ID: Units: **ug/Kg** Prep Date: **07/31/2013** Run No: **249055**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179191** Analysis Date: **07/31/2013** Seq No: **5219363**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1336	330	1667		80.2	59.1	120				
Acenaphthylene	1358	330	1667		81.5	66.7	120				
Anthracene	1369	330	1667		82.1	65.2	120				
Benz(a)anthracene	1518	330	1667		91.1	64.1	120				
Benzo(a)pyrene	1261	330	1667		75.7	60	120				
Benzo(b)fluoranthene	1504	330	1667		90.2	62.5	120				
Benzo(g,h,i)perylene	1387	330	1667		83.2	57.8	120				
Benzo(k)fluoranthene	1385	330	1667		83.1	60.4	120				
Chrysene	1367	330	1667		82.0	61	120				
Dibenz(a,h)anthracene	1436	330	1667		86.2	60.2	120				
Fluoranthene	1490	330	1667		89.4	70.2	120				
Fluorene	1395	330	1667		83.7	60.6	120				
Indeno(1,2,3-cd)pyrene	1440	330	1667		86.4	60.1	120				
Naphthalene	1319	330	1667		79.1	59.1	120				
Phenanthrene	1363	330	1667		81.8	67	120				
Pyrene	1448	330	1667		86.9	61.7	120				
Surr: 2-Fluorobiphenyl	1388	0	1667		83.3	51.9	120				
Surr: 4-Terphenyl-d14	1699	0	1667		102	60.2	120				
Surr: Nitrobenzene-d5	1440	0	1667		86.4	45.6	120				

Sample ID: **1307N04-006AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249197**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179191** Analysis Date: **08/01/2013** Seq No: **5222253**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1373	370	1846		74.4	53.7	120				
2-Methylnaphthalene	1338	370	1846		72.5	53	120				
Acenaphthene	1430	370	1846		77.5	51.6	120				
Acenaphthylene	1412	370	1846		76.5	54.2	122				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179191

Sample ID: **1307N04-006AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249197**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179191** Analysis Date: **08/01/2013** Seq No: **5222253**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1428	370	1846		77.4	54.2	120				
Benz(a)anthracene	1505	370	1846		81.5	52.4	120				
Benzo(a)pyrene	1238	370	1846		67.1	50.4	120				
Benzo(b)fluoranthene	1472	370	1846		79.7	54.1	120				
Benzo(g,h,i)perylene	1395	370	1846		75.6	46.8	120				
Benzo(k)fluoranthene	1402	370	1846		76.0	52.9	120				
Chrysene	1354	370	1846		73.4	51.6	120				
Dibenz(a,h)anthracene	1457	370	1846		78.9	50.9	120				
Fluoranthene	1511	370	1846		81.8	56	120				
Fluorene	1446	370	1846		78.3	52	120				
Indeno(1,2,3-cd)pyrene	1432	370	1846		77.6	50	120				
Naphthalene	1299	370	1846		70.4	50.8	120				
Phenanthrene	1401	370	1846		75.9	54.4	120				
Pyrene	1463	370	1846		79.3	53	120				
Surr: 2-Fluorobiphenyl	1404	0	1846		76.1	51.9	120				
Surr: 4-Terphenyl-d14	1704	0	1846		92.3	60.2	120				
Surr: Nitrobenzene-d5	1343	0	1846		72.7	45.6	120				

Sample ID: **1307N04-006AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249197**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179191** Analysis Date: **08/01/2013** Seq No: **5222254**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1386	370	1848		75.0	53.7	120	1373	1.01	27.3	
2-Methylnaphthalene	1385	370	1848		74.9	53	120	1338	3.44	26.4	
Acenaphthene	1387	370	1848		75.1	51.6	120	1430	3.10	21.1	
Acenaphthylene	1368	370	1848		74.1	54.2	122	1412	3.14	21.5	
Anthracene	1451	370	1848		78.5	54.2	120	1428	1.59	20	
Benz(a)anthracene	1559	370	1848		84.4	52.4	120	1505	3.55	26.6	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179191

Sample ID: **1307N04-006AMSD** Client ID:
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D**
Units: **ug/Kg-dry** Prep Date: **07/31/2013** Run No: **249197**
BatchID: **179191** Analysis Date: **08/01/2013** Seq No: **5222254**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	1255	370	1848		67.9	50.4	120	1238	1.34	28.4	
Benzo(b)fluoranthene	1534	370	1848		83.0	54.1	120	1472	4.15	30.2	
Benzo(g,h,i)perylene	1386	370	1848		75.0	46.8	120	1395	0.670	26.3	
Benzo(k)fluoranthene	1408	370	1848		76.2	52.9	120	1402	0.389	19.5	
Chrysene	1385	370	1848		75.0	51.6	120	1354	2.26	20.5	
Dibenz(a,h)anthracene	1412	370	1848		76.4	50.9	120	1457	3.12	24.8	
Fluoranthene	1522	370	1848		82.4	56	120	1511	0.758	26.6	
Fluorene	1427	370	1848		77.2	52	120	1446	1.34	21.1	
Indeno(1,2,3-cd)pyrene	1442	370	1848		78.0	50	120	1432	0.691	26.6	
Naphthalene	1313	370	1848		71.0	50.8	120	1299	1.03	22.1	
Phenanthrene	1398	370	1848		75.7	54.4	120	1401	0.243	25.6	
Pyrene	1473	370	1848		79.7	53	120	1463	0.628	20.9	
Surr: 2-Fluorobiphenyl	1389	0	1848		75.2	51.9	120	1404	0	0	
Surr: 4-Terphenyl-d14	1787	0	1848		96.7	60.2	120	1704	0	0	
Surr: Nitrobenzene-d5	1471	0	1848		79.6	45.6	120	1343	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179204

Sample ID: **MB-179204** Client ID: Units: **ug/L** Prep Date: **07/30/2013** Run No: **248920**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179204** Analysis Date: **07/30/2013** Seq No: **5218363**

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									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179204

Sample ID: **MB-179204** Client ID: Units: **ug/L** Prep Date: **07/30/2013** Run No: **248920**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179204** Analysis Date: **07/30/2013** Seq No: **5218363**

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									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	47.20	0	50.00		94.4	64.6	123				
Surr: Dibromofluoromethane	50.95	0	50.00		102	76.6	133				
Surr: Toluene-d8	50.05	0	50.00		100	77.8	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179204

Sample ID: **LCS-179204** Client ID: Units: **ug/L** Prep Date: **07/30/2013** Run No: **248920**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179204** Analysis Date: **07/30/2013** Seq No: **5218361**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.16	5.0	50.00		102	61.1	142				
Benzene	50.23	5.0	50.00		100	73.5	130				
Chlorobenzene	55.03	5.0	50.00		110	72.4	123				
Toluene	51.46	5.0	50.00		103	73.6	130				
Trichloroethene	58.55	5.0	50.00		117	70	135				
Surr: 4-Bromofluorobenzene	48.67	0	50.00		97.3	64.6	123				
Surr: Dibromofluoromethane	51.17	0	50.00		102	76.6	133				
Surr: Toluene-d8	49.64	0	50.00		99.3	77.8	120				

Sample ID: **1307L65-001AMS** Client ID: Units: **ug/L** Prep Date: **07/30/2013** Run No: **248920**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179204** Analysis Date: **07/30/2013** Seq No: **5218366**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.39	5.0	50.00		111	60	168				
Benzene	51.95	5.0	50.00		104	66.6	148				
Chlorobenzene	56.30	5.0	50.00		113	71.9	135				
Toluene	53.91	5.0	50.00		108	68	149				
Trichloroethene	57.78	5.0	50.00		116	71.1	154				
Surr: 4-Bromofluorobenzene	49.23	0	50.00		98.5	64.6	123				
Surr: Dibromofluoromethane	52.47	0	50.00		105	76.6	133				
Surr: Toluene-d8	50.17	0	50.00		100	77.8	120				

Sample ID: **1307L65-001AMSD** Client ID: Units: **ug/L** Prep Date: **07/30/2013** Run No: **248920**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179204** Analysis Date: **07/30/2013** Seq No: **5218367**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	52.53	5.0	50.00		105	60	168	55.39	5.30	18.6	
Benzene	50.20	5.0	50.00		100	66.6	148	51.95	3.43	20	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179204

Sample ID: **1307L65-001AMSD** Client ID: Units: **ug/L** Prep Date: **07/30/2013** Run No: **248920**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **179204** Analysis Date: **07/30/2013** Seq No: **5218367**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	54.52	5.0	50.00		109	71.9	135	56.30	3.21	20	
Toluene	52.04	5.0	50.00		104	68	149	53.91	3.53	20	
Trichloroethene	56.36	5.0	50.00		113	71.1	154	57.78	2.49	20	
Surr: 4-Bromofluorobenzene	48.10	0	50.00		96.2	64.6	123	49.23	0	0	
Surr: Dibromofluoromethane	52.39	0	50.00		105	76.6	133	52.47	0	0	
Surr: Toluene-d8	49.82	0	50.00		99.6	77.8	120	50.17	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1307M25

ANALYTICAL QC SUMMARY REPORT

BatchID: 179254

Sample ID: **MB-179254**	Client ID:			Units: **mg/Kg**	Prep Date: **08/01/2013**	Run No: **249122**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **179254**	Analysis Date: **08/01/2013**	Seq No: **5220678**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-179254**	Client ID:			Units: **mg/Kg**	Prep Date: **08/01/2013**	Run No: **249122**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **179254**	Analysis Date: **08/01/2013**	Seq No: **5220679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4186	0.100	0.4000		105	80	120				

Sample ID: **1307M25-001DMS**	Client ID: **SO-072513-AWY-001**			Units: **mg/Kg-dry**	Prep Date: **08/01/2013**	Run No: **249122**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **179254**	Analysis Date: **08/01/2013**	Seq No: **5220681**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5292	0.129	0.5176		102	70	130				

Sample ID: **1307M25-001DMSD**	Client ID: **SO-072513-AWY-001**			Units: **mg/Kg-dry**	Prep Date: **08/01/2013**	Run No: **249122**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**			BatchID: **179254**	Analysis Date: **08/01/2013**	Seq No: **5220682**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5315	0.130	0.5196		102	70	130	0.5292	0.438	30	

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		

CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO:	Bob Pyle; Brian Leroy; Kandice Ferris	REF. NO.:	51315
FROM:	Paul McMahon/bjw/6	DATE:	August 15, 2013
RE:	**Analytical Results and Reduced Validation Soil Investigation King and Spalding LLC Newnan, Georgia August 2013**		E-Mail and Hard Copy if Requested

INTRODUCTION

The following document details a reduced validation of analytical results for one soil sample collected in support of the investigation at the Newnan, Georgia Site in August 2013. The sample was submitted to Analytical Environmental Services, Inc. (AES) located in Atlanta, Georgia. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard Conestoga-Rovers & Associates (CRA) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, recovery data from surrogate spikes, matrix spikes, and laboratory control samples (LCS); and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the documents "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999 and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", February 1994, USEPA 540/R-94/013. These documents will be referred to as the "Guidelines".

SAMPLE HOLDING TIME AND PRESERVATION

The sample holding time criteria for the analyses are summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. The sample was analyzed within the required holding times.

The sample was delivered shortly after sampling, and stored by the laboratory at the required temperature (0-6°C).

LABORATORY METHOD BLANK ANALYSES

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

SURROGATE SPIKE RECOVERIES

In accordance with the method employed, the sample, blank and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within laboratory control limits, indicating good analytical efficiency.

LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. For this study, LCS were analyzed at a minimum frequency of one per analytical batch.

All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To evaluate the effects of sample matrices on the digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed internally by the laboratory. Non-detect sample results associated with high RPDs were not qualified. If only the MS recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the MSD. All other results associated with outlying MS/MSD recoveries were qualified as estimated (see Table 4).

ANALYTE REPORTING

Non-detect results were presented as non-detect at the practical quantitation limit (PQL) in Table 2.

CONCLUSION

Based on this assessment of the information provided, the data produced by AES were found to exhibit acceptable levels of accuracy and precision and may be used with the noted qualifications.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
AUGUST 2013

						Analysis/Parameters	
Sample I.D.	*Location I.D.*	*Start Depth (ft bgs)*	*End Depth (ft bgs)*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*PAHs*	*RCRA Metals*
051315-BP-080813-01	BH-36	0	1	8/8/2013	1:35:00 PM	X	X

Notes:

RCRA Resource Conservation and Recovery Act
ft bgs Feet Below Ground Surface.
PAHs Polycyclic Aromatic Hydrocarbons.

TABLE 2

ANALYTICAL RESULTS SUMMARY
SOIL INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
AUGUST 2013

	Location Name:	***BH-36***
	Sample Name:	***051315-BP-080813-01***
	Sample Date:	***8/8/2013***
	Depth:	***0-1 ft BGS***
Parameters	***Units***	
Metals		
Arsenic	mg/kg	5.38 U
Barium	mg/kg	110
Cadmium	mg/kg	2.69 U
Chromium	mg/kg	26.7
Lead	mg/kg	17.3
Mercury	mg/kg	0.117 U
Selenium	mg/kg	5.38 U
Silver	mg/kg	2.69 U
Polycyclic Aromatic Hydrocarbons		
1-Methylnaphthalene	µg/kg	390 U
2-Methylnaphthalene	µg/kg	390 U
Acenaphthene	µg/kg	390 U
Acenaphthylene	µg/kg	390 U
Anthracene	µg/kg	390 U
Benzo(a)anthracene	µg/kg	420 J
Benzo(a)pyrene	µg/kg	390 U
Benzo(b)fluoranthene	µg/kg	520 J
Benzo(g,h,i)perylene	µg/kg	390 U
Benzo(k)fluoranthene	µg/kg	390 U
Chrysene	µg/kg	400 J
Dibenz(a,h)anthracene	µg/kg	390 U
Fluoranthene	µg/kg	970 J
Fluorene	µg/kg	390 U
Indeno(1,2,3-cd)pyrene	µg/kg	390 U
Naphthalene	µg/kg	390 U
Phenanthrene	µg/kg	550 J
Pyrene	µg/kg	660 J
General Chemistry		
Moisture content (dry weight)	%	15.3

Notes:

J Estimated concentration.
U Not detected at the associated reporting limit.

TABLE 3

SAMPLE HOLDING TIME CRITERIA AND ANALYTICAL METHODS SUMMARY
SOIL INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
AUGUST 2013

Parameter	*Matrix*	*Analytical Method*	*Collection to Extraction (Days)*	*Collection/Extraction to Analysis (Days)*
Total Metals (Except Mercury)	Soil	6010B [1]	-	180
Mercury	Soil	7471 [1]	-	28
PAHs	Soil	8270C [1]	14	40

Notes:

[1] Referenced from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.
USEPA United States Environmental Protection Agency.
- Not Applicable.
PAHs Polycyclic Aromatic Hydrocarbons.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
SOIL INVESTIGATION
KING AND SPALDING LLP
NEWNAN, GEORGIA
AUGUST 2013

Parameter	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD*	*Control Limits*		*Associated Sample ID*	*Qualified Sample Result*	*Units*
					Recovery (percent)	*RPD (percent)*			
PAHs	Pyrene	46	148	78	53-120	21	051315-BP-080813-01	660 J	µg/kg
PAHs	Benzo(b)fluoranthene	55	123	59	54-120	30	051315-BP-080813-01	520 J	µg/kg
PAHs	Fluoranthene	57	210	84	56-120	27	051315-BP-080813-01	970 J	µg/kg
PAHs	Chrysene	51	105	55	52-120	21	051315-BP-080813-01	400 J	µg/kg
PAHs	Benzo(a)anthracene	58	115	53	52-120	27	051315-BP-080813-01	420 J	µg/kg
PAHs	Phenanthrene	46	217	99	53-120	26	051315-BP-080813-01	550 J	µg/kg

Notes:

J Estimated concentration.
MSD Matrix Spike Duplicate
RPD Relative Percent Difference
PAHs Polycyclic Aromatic Hydrocarbons.

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 13, 2013

Bob Pyle
Conestoga, Rovers, & Associates, Inc.
3075 Breckenridge Blvd, Suite 470
Duluth GA 30096

TEL: (770) 441-0027
FAX: (770) 441-2050

RE: King & Spalding - Newnan Lofts

Dear Bob Pyle: Order No: 1308675

Analytical Environmental Services, Inc. received 1 samples on 8/8/2013 3:07:00 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 07/01/13-06/30/14.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) 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.

CRKanhai

Chantelle Kanhai
Project Manager

CHAIN OF CUSTODY RECORD

1308675 COC NO.: 33912

PAGE 1 OF 1

(See Reverse Side for Instructions)

CONESTOGA-ROVERS & ASSOCIATES

Address: DULUTH, GA

Phone: 770-441-0027 Fax: _____

Project No/ Phase/Task Code: 051315	**Laboratory Name:** AES	**Lab Location:**	**SSOW ID:**
Project Name: Newnan Lofts	**Lab Contact:**	**Lab Quote No:**	**Cooler No:**
Project Location: Newnan, GA			**Carrier:**
Chemistry Contact: Paul McMahon			**Airbill No:**
Sampler(s): Bob Pyle			**Date Shipped:**

#	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (military)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Container Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: PAHs	Lead	MS/MSD Request	Comments/ Special Instructions:
1	051315-BP-080813-01	08/08/13	1:35	Soil	G	2									✓	✓		48 hr Turn
2																		No Ice
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☑ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers:

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CRA	08/08/13	3:07	1.	8/8/13	3:07	
2.				2.			
3.				3.			

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

Analytical Environmental Services, Inc

Date: 13-Aug-13

Client: Conestoga, Rovers, & Associates, Inc.
Project: King & Spalding - Newnan Lofts
Lab ID: 1308675

Case Narrative

The sample was analyzed for PAHs and RCRA 8 Metals per SSOW requirements.

Sample Receiving Nonconformance:

The sample was received at ambient temperature, outside required temperature range of 0-6°C. No ice or melted ice was present. We proceeded with the analysis at the client's request.

Analytical Environmental Services, Inc **Date:** 13-Aug-13

Client:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	051315-BP-080813-01
Project Name:	King & Spalding - Newnan Lofts	**Collection Date:**	8/8/2013 1:35:00 PM
Lab ID:	1308675-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B				**(SW7471B)**				
Mercury	BRL	0.117		mg/Kg-dry	179557	1	08/09/2013 12:43	CG
POLYAROMATIC HYDROCARBONS SW8270D				**(SW3550C)**				
Naphthalene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Acenaphthylene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
1-Methylnaphthalene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
2-Methylnaphthalene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Acenaphthene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Fluorene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Phenanthrene	550	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Anthracene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Fluoranthene	970	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Pyrene	660	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Benz(a)anthracene	420	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Chrysene	400	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Benzo(b)fluoranthene	520	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Benzo(k)fluoranthene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Benzo(a)pyrene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Dibenz(a,h)anthracene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Benzo(g,h,i)perylene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Indeno(1,2,3-cd)pyrene	BRL	390		ug/Kg-dry	179652	1	08/12/2013 13:45	EI
Surr: 2-Fluorobiphenyl	55.1	51.9-120		%REC	179652	1	08/12/2013 13:45	EI
Surr: 4-Terphenyl-d14	62.6	60.2-120		%REC	179652	1	08/12/2013 13:45	EI
Surr: Nitrobenzene-d5	58.5	45.6-120		%REC	179652	1	08/12/2013 13:45	EI
METALS, TOTAL SW6010C				**(SW3050B)**				
Arsenic	BRL	5.38		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
Barium	110	5.38		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
Cadmium	BRL	2.69		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
Chromium	26.7	2.69		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
Lead	17.3	5.38		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
Selenium	BRL	5.38		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
Silver	BRL	2.69		mg/Kg-dry	179495	1	08/09/2013 22:27	MR
PERCENT MOISTURE D2216								
Percent Moisture	15.3	0		wt%	R249677	1	08/09/2013 17:42	EH

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 Conestoga - Rovers Work Order Number 1308675

Checklist completed by Signature 8/8/13 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 Ambient 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

Client: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179495

Sample ID: **MB-179495** Client ID: Units: **mg/Kg** Prep Date: **08/09/2013** Run No: **249712**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179495** Analysis Date: **08/09/2013** Seq No: **5233864**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Cadmium	BRL	2.50									
Chromium	BRL	2.50									
Lead	BRL	5.00									
Selenium	BRL	5.00									
Silver	BRL	2.50									

Sample ID: **LCS-179495** Client ID: Units: **mg/Kg** Prep Date: **08/09/2013** Run No: **249712**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179495** Analysis Date: **08/09/2013** Seq No: **5233862**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	48.80	5.00	50.00		97.6	80	120				
Barium	50.40	5.00	50.00		101	80	120				
Cadmium	48.91	2.50	50.00		97.8	80	120				
Chromium	51.55	2.50	50.00		103	80	120				
Lead	48.11	5.00	50.00		96.2	80	120				
Selenium	47.73	5.00	50.00		95.5	80	120				
Silver	5.057	2.50	5.000		101	80	120				

Sample ID: **1308346-004AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **08/09/2013** Run No: **249712**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179495** Analysis Date: **08/09/2013** Seq No: **5233868**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	59.29	6.37	63.69	2.061	89.9	75	125				
Barium	217.6	6.37	63.69	159.4	91.4	75	125				
Cadmium	60.45	3.18	63.69	0.6485	93.9	75	125				
Chromium	83.03	3.18	63.69	21.31	96.9	75	125				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179495

Sample ID: **1308346-004AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **08/09/2013** Run No: **249712**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179495** Analysis Date: **08/09/2013** Seq No: **5233868**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	225.9	6.37	63.69	170.4	87.2	75	125				
Selenium	56.76	6.37	63.69		89.1	75	125				
Silver	6.281	3.18	6.369	0.1859	95.7	75	125				

Sample ID: **1308346-004AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **08/09/2013** Run No: **249712**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **179495** Analysis Date: **08/09/2013** Seq No: **5233870**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	60.22	6.34	63.43	2.061	91.7	75	125	59.29	1.56	20	
Barium	215.3	6.34	63.43	159.4	88.2	75	125	217.6	1.06	20	
Cadmium	61.81	3.17	63.43	0.6485	96.4	75	125	60.45	2.23	20	
Chromium	83.28	3.17	63.43	21.31	97.7	75	125	83.03	0.294	20	
Lead	215.8	6.34	63.43	170.4	71.5	75	125	225.9	4.60	20	S
Selenium	57.94	6.34	63.43		91.3	75	125	56.76	2.06	20	
Silver	6.368	3.17	6.343	0.1859	97.5	75	125	6.281	1.38	20	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179557

Sample ID: **MB-179557**	Client ID:		Units: **mg/Kg**	Prep Date: **08/09/2013**	Run No: **249639**
SampleType: **MBLK**	TestCode: **TOTAL MERCURY SW7471B**		BatchID: **179557**	Analysis Date: **08/09/2013**	Seq No: **5232015**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									

Sample ID: **LCS-179557**	Client ID:		Units: **mg/Kg**	Prep Date: **08/09/2013**	Run No: **249639**
SampleType: **LCS**	TestCode: **TOTAL MERCURY SW7471B**		BatchID: **179557**	Analysis Date: **08/09/2013**	Seq No: **5232016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.4105	0.100	0.4000		103	80	120				

Sample ID: **1308675-001AMS**	Client ID: **051315-BP-080813-01**		Units: **mg/Kg-dry**	Prep Date: **08/09/2013**	Run No: **249639**
SampleType: **MS**	TestCode: **TOTAL MERCURY SW7471B**		BatchID: **179557**	Analysis Date: **08/09/2013**	Seq No: **5232018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5354	0.117	0.4693	0.05091	103	70	130				

Sample ID: **1308675-001AMSD**	Client ID: **051315-BP-080813-01**		Units: **mg/Kg-dry**	Prep Date: **08/09/2013**	Run No: **249639**
SampleType: **MSD**	TestCode: **TOTAL MERCURY SW7471B**		BatchID: **179557**	Analysis Date: **08/09/2013**	Seq No: **5232019**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.5766	0.117	0.4684	0.05091	112	70	130	0.5354	7.42	30	

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179652

Sample ID: **MB-179652** Client ID: Units: **ug/Kg** Prep Date: **08/12/2013** Run No: **249760**
SampleType: **MBLK** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179652** Analysis Date: **08/12/2013** Seq No: **5235147**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	330									
2-Methylnaphthalene	BRL	330									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Anthracene	BRL	330									
Benz(a)anthracene	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Naphthalene	BRL	330									
Phenanthrene	BRL	330									
Pyrene	BRL	330									
Surr: 2-Fluorobiphenyl	1169	0	1667		70.1	51.9	120				
Surr: 4-Terphenyl-d14	1615	0	1667		96.9	60.2	120				
Surr: Nitrobenzene-d5	1239	0	1667		74.3	45.6	120				

Sample ID: **LCS-179652** Client ID: Units: **ug/Kg** Prep Date: **08/12/2013** Run No: **249760**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179652** Analysis Date: **08/12/2013** Seq No: **5235148**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1225	330	1667		73.5	61.9	120				
2-Methylnaphthalene	1219	330	1667		73.1	60.9	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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179652

Sample ID: **LCS-179652** Client ID: Units: **ug/Kg** Prep Date: **08/12/2013** Run No: **249760**
SampleType: **LCS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179652** Analysis Date: **08/12/2013** Seq No: **5235148**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthene	1293	330	1667		77.6	59.1	120				
Acenaphthylene	1277	330	1667		76.6	66.7	120				
Anthracene	1370	330	1667		82.2	65.2	120				
Benz(a)anthracene	1538	330	1667		92.3	64.1	120				
Benzo(a)pyrene	1349	330	1667		80.9	60	120				
Benzo(b)fluoranthene	1572	330	1667		94.3	62.5	120				
Benzo(g,h,i)perylene	1466	330	1667		88.0	57.8	120				
Benzo(k)fluoranthene	1491	330	1667		89.5	60.4	120				
Chrysene	1419	330	1667		85.2	61	120				
Dibenz(a,h)anthracene	1552	330	1667		93.1	60.2	120				
Fluoranthene	1527	330	1667		91.6	70.2	120				
Fluorene	1328	330	1667		79.7	60.6	120				
Indeno(1,2,3-cd)pyrene	1515	330	1667		90.9	60.1	120				
Naphthalene	1183	330	1667		71.0	59.1	120				
Phenanthrene	1348	330	1667		80.9	67	120				
Pyrene	1422	330	1667		85.3	61.7	120				
Surr: 2-Fluorobiphenyl	1254	0	1667		75.2	51.9	120				
Surr: 4-Terphenyl-d14	1721	0	1667		103	60.2	120				
Surr: Nitrobenzene-d5	1232	0	1667		73.9	45.6	120				

Sample ID: **1308675-001AMS** Client ID: **051315-BP-080813-01** Units: **ug/Kg-dry** Prep Date: **08/12/2013** Run No: **249760**
SampleType: **MS** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179652** Analysis Date: **08/12/2013** Seq No: **5235152**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1106	390	1967		56.2	53.7	120				
2-Methylnaphthalene	1102	390	1967		56.0	53	120				
Acenaphthene	1120	390	1967		57.0	51.6	120				
Acenaphthylene	1077	390	1967		54.8	54.2	122				

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179652

Sample ID: **1308675-001AMS**	Client ID: **051315-BP-080813-01**			Units: **ug/Kg-dry**	Prep Date: **08/12/2013**	Run No: **249760**
SampleType: **MS**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**			BatchID: **179652**	Analysis Date: **08/12/2013**	Seq No: **5235152**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1292	390	1967	149.9	58.1	54.2	120				
Benz(a)anthracene	1557	390	1967	416.2	58.0	52.4	120				
Benzo(a)pyrene	1266	390	1967	338.3	47.2	50.4	120				S
Benzo(b)fluoranthene	1597	390	1967	515.8	55.0	54.1	120				
Benzo(g,h,i)perylene	1045	390	1967	248.3	40.5	46.8	120				S
Benzo(k)fluoranthene	1167	390	1967	159.3	51.2	52.9	120				S
Chrysene	1401	390	1967	397.4	51.0	51.6	120				S
Dibenz(a,h)anthracene	1099	390	1967	60.19	52.8	50.9	120				
Fluoranthene	2089	390	1967	967.8	57.0	56	120				
Fluorene	1166	390	1967		59.3	52	120				
Indeno(1,2,3-cd)pyrene	1142	390	1967	234.9	46.1	50	120				S
Naphthalene	1084	390	1967		55.1	50.8	120				
Phenanthrene	1633	390	1967	554.7	54.8	54.4	120				
Pyrene	1573	390	1967	661.3	46.3	53	120				S
Surr: 2-Fluorobiphenyl	1096	0	1967		55.7	51.9	120				
Surr: 4-Terphenyl-d14	1173	0	1967		59.6	60.2	120				S
Surr: Nitrobenzene-d5	1139	0	1967		57.9	45.6	120				

Sample ID: **1308675-001AMSD**	Client ID: **051315-BP-080813-01**			Units: **ug/Kg-dry**	Prep Date: **08/12/2013**	Run No: **249760**
SampleType: **MSD**	TestCode: **POLYAROMATIC HYDROCARBONS** **SW8270D**			BatchID: **179652**	Analysis Date: **08/12/2013**	Seq No: **5235153**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1412	390	1967		71.8	53.7	120	1106	24.3	27.3	
2-Methylnaphthalene	1455	390	1967		74.0	53	120	1102	27.6	26.4	R
Acenaphthene	1613	390	1967		82.0	51.6	120	1120	36.1	21.1	R
Acenaphthylene	1350	390	1967		68.6	54.2	122	1077	22.5	21.5	R
Anthracene	1970	390	1967	149.9	92.5	54.2	120	1292	41.6	20	R
Benz(a)anthracene	2676	390	1967	416.2	115	52.4	120	1557	52.9	26.6	R

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: Conestoga, Rovers, & Associates, Inc.
Project Name: King & Spalding - Newnan Lofts
Workorder: 1308675

ANALYTICAL QC SUMMARY REPORT

BatchID: 179652

Sample ID: **1308675-001AMSD** Client ID: **051315-BP-080813-01** Units: **ug/Kg-dry** Prep Date: **08/12/2013** Run No: **249760**
SampleType: **MSD** TestCode: **POLYAROMATIC HYDROCARBONS SW8270D** BatchID: **179652** Analysis Date: **08/12/2013** Seq No: **5235153**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(a)pyrene	2199	390	1967	338.3	94.6	50.4	120	1266	53.8	28.4	R
Benzo(b)fluoranthene	2938	390	1967	515.8	123	54.1	120	1597	59.1	30.2	SR
Benzo(g,h,i)perylene	1554	390	1967	248.3	66.4	46.8	120	1045	39.2	26.3	R
Benzo(k)fluoranthene	1696	390	1967	159.3	78.1	52.9	120	1167	37.0	19.5	R
Chrysene	2457	390	1967	397.4	105	51.6	120	1401	54.7	20.5	R
Dibenz(a,h)anthracene	1215	390	1967	60.19	58.7	50.9	120	1099	10.0	24.8	
Fluoranthene	5099	390	1967	967.8	210	56	120	2089	83.8	26.6	SR
Fluorene	1562	390	1967		79.4	52	120	1166	29.0	21.1	R
Indeno(1,2,3-cd)pyrene	1654	390	1967	234.9	72.1	50	120	1142	36.6	26.6	R
Naphthalene	1423	390	1967		72.4	50.8	120	1084	27.0	22.1	R
Phenanthrene	4822	390	1967	554.7	217	54.4	120	1633	98.8	25.6	SR
Pyrene	3574	390	1967	661.3	148	53	120	1573	77.8	20.9	SR
Surr: 2-Fluorobiphenyl	1212	0	1967		61.6	51.9	120	1096	0	0	
Surr: 4-Terphenyl-d14	1317	0	1967		67.0	60.2	120	1173	0	0	
Surr: Nitrobenzene-d5	1098	0	1967		55.8	45.6	120	1139	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		

APPENDIX C

REVISED RISK REDUCTION CALCULATIONS

TABLE 1

GENERIC HSRA RISK REDUCTION STANDARDS (RRS)
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

Regulated Substances	*Type 1/3 RRS for Groundwater* (mg/L)	*Type 4 RRS for Groundwater* (mg/L)	*Type 1 RRS for Soil* (mg/kg)	*Type 3 RRS for Soil* (mg/kg)	*Type 4 RRS for Soil* (mg/kg)	*RRS for Sediment(1)* (mg/kg)	*RRS for Surface Water (2)* (mg/L)
SVOCs							
1-Methylnaphthalene	1.00E-02	7.15E+00	NR	NR	NR	NV	2.10E-03
2-Methylnaphthalene	1.00E-02	4.09E-01	NR	NR	NR	2.02E-02	4.70E-03
Acenaphthene	2.00E+00	6.13E+00	3.00E+02	3.00E+02	3.00E+02	6.71E-03	9.90E-01
Acenaphthylene	1.00E-02	1.00E-02	1.30E+02	1.30E+02	1.30E+02	5.87E-03	4.84E+00
Anthracene	1.00E-02	3.07E+01	5.00E+02	5.00E+02	1.01E+03	4.69E-02	4.00E+01
Benzo(a)anthracene	1.00E-04	1.00E-02	5.00E+00	5.00E+00	5.00E+00	7.48E-02	1.80E-05
Benzo(a)pyrene	2.00E-04	1.00E-02	1.64E+00	1.64E+00	7.84E+00	8.88E-02	1.80E-05
Benzo(b)fluoranthene	2.00E-04	1.00E-02	5.00E+00	5.00E+00	1.20E+01	1.04E+01	1.80E-05
Benzo(g,h,i)perylene	1.00E-02	1.00E-02	5.00E+02	5.00E+02	5.00E+02	1.70E-01	7.64E-03
Benzo(k)fluoranthene	1.00E-02	3.92E-02	5.00E+00	5.00E+00	4.61E+01	2.40E-01	1.80E-05
Chrysene	1.00E-02	3.92E-01	5.00E+00	5.00E+00	1.42E+02	1.08E-01	1.80E-05
Dibenzo(a,h)anthracene	3.00E-04	1.00E-02	2.05E+00	5.00E+00	7.84E+00	6.22E-03	1.80E-05
Fluoranthene	1.00E+00	4.09E+00	5.00E+02	5.00E+02	5.00E+02	1.13E-01	1.40E-01
Fluorene	1.00E+00	4.09E+00	3.60E+02	3.60E+02	3.60E+02	2.12E-02	5.30E+00
Indeno(1,2,3-cd)pyrene	4.00E-04	1.00E-02	5.00E+00	5.00E+00	3.90E+01	2.00E-01	1.80E-05
Naphthalene	2.00E-02	2.00E-02	1.00E+02	1.00E+02	1.00E+02	3.46E-02	6.20E-02
Phenanthrene	1.00E-02	1.00E-02	1.10E+02	1.10E+02	1.10E+02	8.67E-02	3.60E-03
Pyrene	1.00E+00	3.07E+00	5.00E+02	5.00E+02	5.00E+02	1.53E-01	4.00E+00
Metals							
Arsenic	1.00E-02	1.00E-02	2.00E+01	3.81E+01	2.92E-01	7.24E+00	1.0E-02 [5.0E-02] *
Barium	2.00E+00	2.04E+01	1.00E+03	1.00E+03	1.00E+03	NV	2.20E-01
Cadmium	5.00E-03	5.11E-02	2.00E+00	2.00E+00	3.84E+00	1.00E+00	1.50E-04
Chromium	1.00E-01	1.00E-01	1.00E+02	1.00E+02	1.00E+02	5.23E+01	8.50E-02
Chromium III	1.00E-01	1.53E+02	1.00E+02	1.00E+02	3.07E+06	NV	4.20E-02
Chromium VI	1.00E-01	1.00E-01	2.94E+01	1.00E+02	1.00E+02	NV	1.10E-02
Lead	1.50E-02	1.50E-02	7.50E+01	4.00E+02	1.35E+01	3.02E+01	1.2E-03 (DL)
Mercury	2.00E-03	2.00E-03	5.00E-01	5.00E-01	5.00E-01	1.30E-01	1.20E-05
Nickel	1.00E-01	2.04E+00	5.00E+01	5.00E+01	1.33E+02	1.59E+01	2.90E-02
Selenium	5.00E-02	5.11E-01	2.00E+00	5.00E+00	5.00E+00	2.00E+00	5.00E-03
Silver	1.00E-01	5.11E-01	2.00E+00	1.00E+01	1.00E+01	2.00E+00	1.20E-05

Notes:

NR - Not Regulated

NV - No Value

(DL) - Value shown may be lower than laboratory's detection limit, in which case the standard is the detection limit.

(1) RRS for sediment followed GEPD recommendations (http://www.gaepd.org/Documents/hsraguideCSRRRS.html#type1) from the following sources in order of priority:

US EPA Region 4 Sediment: http://www.epa.gov/region4/waste/ots/ecolbul.html#tbl3.

US EPA Region 5 Sediment: http://www.epa.gov/Region5/waste/cars/esl.htm

US EPA Region 3 Sediment: http://epa.gov/reg3hscd/risk/eco/btag/sbv/fwsed/screenbench.htm

(2) RRS for surface water followed GEPD recommendations (http://www.gaepd.org/Documents/hsraguideCSRRRS.html#type1) from the following sources in order of priority:

Georgia In-Stream Water Quality Criteria (391-3-6-.03(5)): http://rules.sos.state.ga.us/docs/391/3/6/03.pdf

Note: * = Drinking Water Supplies [All Other Classifications]

US EPA Region 4 Freshwater: http://www.epa.gov/region4/waste/ots/ecolbul.html#tbl1

US EPA Region 5 Freshwater: http://www.epa.gov/Region5/waste/cars/esl.htm

US EPA Region 3 Freshwater: http://www.epa.gov/reg3hwmd/risk/eco/btag/sbv/fw/screenbench.htm

TABLE 2

DERIVATION OF GENERIC TYPE 4 TARGET CONCENTRATIONS FOR GROUNDWATER
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

		Toxicity Indices				*PRGs calculated from RAGS*			*Type 4 will not be less than:*			*Type 4*
Regulated Substances	*Toxicity Class*	*CSFo (Oral)*	*CSFi (Inhalation)*	*RfDo (Oral)*	*RfDi (Inhalation)*	*Carcinogenic (C)*	*Non-Carcinogenic (NC)*	*Lesser of C or NC*	*Type 1/3 RRS*		*Detection Limits*	*RRS Target Concentrations*
		(mg/kg-day) $^{-1}$	*(mg/kg-day)* $^{-1}$	*(mg/kg-day)*	*(mg/kg-day)*	*(mg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*		*(mg/L)*	*(mg/L)*
SVOCs												
1-Methylnaphthalene	D	--	--	7.00E-02	--	NV	7.15E+00	7.15E+00	1.00E-02	****	1.00E-02	7.15E+00
2-Methylnaphthalene	D	--	--	4.00E-03	--	NV	4.09E-01	4.09E-01	1.00E-02	****	1.00E-02	4.09E-01
Acenaphthene	D	--	--	6.00E-02	--	NV	6.13E+00	6.13E+00	2.00E+00		1.00E-02	6.13E+00
Acenaphthylene	D	--	--	--	--	NV	NV	NV	1.00E-02		1.00E-02	1.00E-02
Anthracene	D	--	--	3.00E-01	--	NV	3.07E+01	3.07E+01	1.00E-02		1.00E-02	3.07E+01
Benzo(a)anthracene	B2	7.30E-01	3.85E-01	--	--	3.92E-03	NV	3.92E-03	1.00E-04		1.00E-02	1.00E-02
Benzo(a)pyrene	B2	7.30E+00	3.85E+00	--	--	3.92E-04	NV	3.92E-04	2.00E-04		1.00E-02	1.00E-02
Benzo(b)fluoranthene	B2	7.30E-01	3.85E-01	--	--	3.92E-03	NV	3.92E-03	2.00E-04		1.00E-02	1.00E-02
Benzo(g,h,i)perylene	--	--	--	--	--	NV	NV	NV	1.00E-02		1.00E-02	1.00E-02
Benzo(k)fluoranthene	B2	7.30E-02	3.85E-01	--	--	3.92E-02	NV	3.92E-02	1.00E-02		1.00E-02	3.92E-02
Chrysene	B2	7.30E-03	3.85E-02	--	--	3.92E-01	NV	3.92E-01	1.00E-02	***	1.00E-02	3.92E-01
Dibenzo(a,h)anthracene	B2	7.30E+00	4.20E+00	--	--	3.92E-04	NV	3.92E-04	3.00E-04		1.00E-02	1.00E-02
Fluoranthene	D	--	--	4.00E-02	--	NV	4.09E+00	4.09E+00	1.00E+00		1.00E-02	4.09E+00
Fluorene	D	--	--	4.00E-02	--	NV	4.09E+00	4.09E+00	1.00E+00		1.00E-02	4.09E+00
Indeno(1,2,3-cd)pyrene	B2	7.30E-01	3.85E-01	--	--	3.92E-03	NV	3.92E-03	4.00E-04		1.00E-02	1.00E-02
Naphthalene	C	--	1.19E-01	2.00E-02	8.57E-04	2.40E-02	8.72E-03	8.72E-03	2.00E-02		1.00E-02	2.00E-02
Phenanthrene	D	--	--	--	--	NV	NV	NV	1.00E-02		1.00E-02	1.00E-02
Pyrene	D	--	--	3.00E-02	--	NV	3.07E+00	3.07E+00	1.00E+00		1.00E-02	3.07E+00
Metals**												
Arsenic	A	1.50E+00	1.51E+01	3.00E-04	4.29E-06	1.91E-03	3.07E-02	1.91E-03	1.00E-02		1.00E-02	1.00E-02
Barium	D	--	--	2.00E-01	1.43E-04	NV	2.04E+01	2.04E+01	2.00E+00		2.00E-02	2.04E+01
Cadmium	B	--	6.30E+00	5.00E-04	5.71E-06	NV	5.11E-02	5.11E-02	5.00E-03		5.00E-03	5.11E-02
Chromium	D	--	--	--	--	NV	NV	NV	1.00E-01		1.00E-02	1.00E-01
Chromium III	D	--	--	1.50E+00	--	NV	1.53E+02	1.53E+02	1.00E-01		1.00E-02	1.53E+02
Chromium VI	A/D*	5.00E-01	2.94E+02	3.00E-03	2.86E-05	5.72E-02	3.07E-01	5.72E-02	1.00E-01		1.00E-02	1.00E-01
Lead	B2	--	--	--	--	NV	NV	NV	1.50E-02		1.00E-02	1.50E-02
Mercury	D	--	--	1.00E-04	8.57E-05	NV	8.07E-04	8.07E-04	2.00E-03		2.00E-04	2.00E-03
Nickel	--	--	9.10E-01	2.00E-02	2.57E-05	NV	2.04E+00	2.04E+00	1.00E-01		2.00E-02	2.04E+00
Selenium	D	--	--	5.00E-03	5.71E-03	NV	5.11E-01	5.11E-01	5.00E-02		2.00E-02	5.11E-01
Silver	D	--	--	5.00E-03	--	NV	5.11E-01	5.11E-01	1.00E-01		1.00E-02	5.11E-01

Notes:

-- No value available.

* D for oral exposure; A for inhalation exposure.

** Although an inhalation RfC and/or URF may be available for inorganic compounds, the inhalation toxicity factor(s) was not applied in the derivation of the PRGs due to the non-volatile nature of the metals with the exception of mercury.

*** The Type 1 RRS defaults to the detection limit since the health-based drinking water criterion from Appendix III Table 1, Groundwater Criteria is lower than the current detection limit.

**** The Type 1 RRS defaults to the detection limit since the analyte is not listed in Appendix III Table 1.

NV No value established.

RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR) + (CSFi \times INH \times K)]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR) + ((1/RfDi) \times INH \times K)]}$$

where :

Preliminary Risk Goal (mg/L)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Risk Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSF	chemical-specific	RSL, 2012
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2012
Ingestion Rate (L/day)	IR	1	GEPD, 2003
Inhalation Rate (m^3/day)	INH	20	GEPD, 2003
Exposure Frequency (days/year)	EF	250	GEPD, 2003
Exposure Duration (years)	ED	25	GEPD, 2003
Body Weight (kg)	BW	70	GEPD, 2003
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	9,125	GEPD, 2003
Volatilization Factor (L/m^3)	K	0.5	GEPD, 2003

References:

GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.

RSL, 2012: Regional Screening Level (RSL) Summary Table, April 2012.

TABLE 3

DERIVATION OF GENERIC TYPE 1 TARGET CONCENTRATIONS FOR SOIL
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

		Toxicity Indices					*PRGs calculated from RAGS*				*App III*			*Type 1*
Regulated Substances	*Toxicity Class*	*CSFo (Oral)*	*CSFi (Inhalation)*	*RfDo (Oral)*	*RfDi (Inhalation)*	*Volatilization Factor (VF)*	*Carcinogenic (C)*	*Non-Carcinogenic (NC)*	*Lesser of C or NC*	*Notification Concentrations*	*Table 2 Criteria*	*Type 1 GW x 100*	*Maximum Concentration*	*RRS Target Concentrations*
		(mg/kg-day) $^{-1}$	*(mg/kg-day)* $^{-1}$	*(mg/kg-day)*	*(mg/kg-day)*	*(m^3/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*	*(mg/kg)*
SVOCs														
1-Methylnaphthalene	D	--	--	7.00E-02	--	8.88E+04	NV	4.48E+04	4.48E+04	NR	NV	6.00E+00	6.00E+00	NR
2-Methylnaphthalene	D	--	--	4.00E-03	--	8.78E+04	NV	2.56E+03	2.56E+03	NR	NV	1.00E+00	1.00E+00	NR
Acenaphthene	D	--	--	6.00E-02	--	2.14E+05	NV	3.84E+04	3.84E+04	3.00E+02	NV	2.00E+02	3.00E+02	3.00E+02
Acenaphthylene	D	--	--	--	--	2.88E+05	NV	NV	NV	1.30E+02	NV	1.00E+00	1.30E+02	1.30E+02
Anthracene	D	--	--	3.00E-01	--	7.99E+05	NV	1.92E+05	1.92E+05	5.00E+02	NV	1.00E+00	5.00E+02	5.00E+02
Benzo(a)anthracene	B2	7.30E-01	3.85E-01	--	--	NV	2.05E+01	NV	2.05E+01	5.00E+00	NV	1.00E-02	5.00E+00	5.00E+00
Benzo(a)pyrene	B2	7.30E+00	3.85E+00	--	--	NV	2.05E+00	NV	2.05E+00	1.64E+00	NV	2.00E-02	1.64E+00	1.64E+00
Benzo(b)fluoranthene	B2	7.30E-01	3.85E-01	--	--	NV	2.05E+01	NV	2.05E+01	5.00E+00	NV	2.00E-02	5.00E+00	5.00E+00
Benzo(g,h,i)perylene	--	--	--	--	--	NV	NV	NV	NV	5.00E+02	NV	1.00E+00	5.00E+02	5.00E+02
Benzo(k)fluoranthene	B2	7.30E-02	3.85E-01	--	--	NV	2.05E+02	NV	2.05E+02	5.00E+00	NV	1.00E+00	5.00E+00	5.00E+00
Chrysene	B2	7.30E-03	3.85E-02	--	--	NV	2.05E+03	NV	2.05E+03	5.00E+00	NV	1.00E+00	5.00E+00	5.00E+00
Dibenzo(a,h)anthracene	B2	7.30E+00	4.20E+00	--	--	NV	2.05E+00	NV	2.05E+00	5.00E+00	NV	3.00E-02	5.00E+00	2.05E+00
Fluoranthene	D	--	--	4.00E-02	--	NV	NV	2.56E+04	2.56E+04	5.00E+02	NV	1.00E+02	5.00E+02	5.00E+02
Fluorene	D	--	--	4.00E-02	--	4.28E+05	NV	2.56E+04	2.56E+04	3.60E+02	NV	1.00E+02	3.60E+02	3.60E+02
Indeno(1,2,3-cd)pyrene	B2	7.30E-01	3.85E-01	--	--	NV	2.05E+01	NV	2.05E+01	5.00E+00	NV	4.00E-02	5.00E+00	5.00E+00
Naphthalene	C	--	1.19E-01	2.00E-02	8.57E-04	7.00E+04	6.68E+02	2.86E+02	2.86E+02	1.00E+02	NV	2.00E+00	1.00E+02	1.00E+02
Phenanthrene	D	--	--	--	--	NV	NV	NV	NV	1.10E+02	NV	1.00E+00	1.10E+02	1.10E+02
Pyrene	D	--	--	3.00E-02	--	3.73E+06	NV	1.92E+04	1.92E+04	5.00E+02	NV	1.00E+02	5.00E+02	5.00E+02
Metals														
Arsenic	A	1.50E+00	1.51E+01	3.00E-04	4.29E-06	NV	9.96E+00	1.92E+02	9.96E+00	NV	2.00E+01	1.00E+00	2.00E+01	2.00E+01
Barium	D	--	--	2.00E-01	1.43E-04	NV	NV	1.23E+05	1.23E+05	NV	1.00E+03	2.00E+02	1.00E+03	1.00E+03
Cadmium	B	--	6.30E+00	1.00E-03	5.71E-06	NV	8.35E+04	6.37E+02	6.37E+02	NV	2.00E+00	5.00E-01	2.00E+00	2.00E+00
Chromium	D	--	--	--	--	NV	NV	NV	NV	NV	1.00E+02	1.00E+01	1.00E+02	1.00E+02
Chromium III	D	--	--	1.50E+00	--	NV	NV	9.61E+05	9.61E+05	NV	1.00E+02	1.00E+00	1.00E+02	1.00E+02
Chromium VI	A/D*	5.00E-01	2.94E+02	3.00E-03	2.86E-05	NV	2.94E+01	1.92E+03	2.94E+01	NV	1.00E+02	1.00E+00	1.00E+02	2.94E+01
Lead	B2	--	--	--	--	NV	NV	NV	9.30E+02 (1)	NV	7.50E+01	1.50E+00	7.50E+01	7.50E+01
Mercury	D	--	--	1.00E-04	8.57E-05	2.50E+04	NV	8.96E+00	8.96E+00	NV	5.00E-01	2.00E-01	5.00E-01	5.00E-01
Nickel	--	--	9.10E-01	2.00E-02	2.57E-05	NV	5.78E+05	1.25E+04	1.25E+04	NV	5.00E+01	1.00E+01	5.00E+01	5.00E+01
Selenium	D	--	--	5.00E-03	5.71E-03	NV	NV	3.20E+03	3.20E+03	NV	2.00E+00	5.00E+00	2.00E+00	2.00E+00
Silver	D	--	--	5.00E-03	--	NV	NV	3.20E+03	3.20E+03	NV	2.00E+00	1.00E+01	2.00E+00	2.00E+00

Notes:

-- No value available.

* D for oral exposure; A for inhalation exposure.

NV No value established.

NR Not regulated.

RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR \times CF) + (CSFi \times INH \times (1/PEF \text{ or } VF))]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR \times CF) + ((1/RfDi) \times INH \times (1/PEF \text{ or } VF))]}$$

where :

Preliminary Risk Goal (mg/kg)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Hazard Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSFo	chemical-specific	RSL, 2012
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2012
Ingestion Rate (mg/day)	IR	114	GEPD, 2003
Inhalation Rate (m^3/day)	INH	15	GEPD, 2003
Exposure Frequency (days/year)	EF	350	GEPD, 2003
Exposure Duration (years)	ED	30	GEPD, 2003
Body Weight (kg)	BW	70	GEPD, 2003
Conversion Factor (kg/mg)	CF	1.0E-06	--
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	10,950	GEPD, 2003
Particulate Emission Factor (m^3/kg)	PEF	4.63E+09	GEPD, 2003
Volatilization Factor (m^3/kg)	VF	chemical-specific	Refer to Table 7

References:

GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.

RSL, 2012: Regional Screening Level (RSL) Summary Table, April 2012.

TABLE 4

DERIVATION OF GENERIC TYPE 3 TARGET CONCENTRATIONS FOR SOIL
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

		Toxicity Indices					Longterm On-Site Worker				App III			Type 3
Regulated Substances	Toxicity Class	CSFo (Oral)	CSFi (Inhalation)	RfDo (Oral)	RfDi (Inhalation)	Volatilization Factor (VF)	Carcinogenic (C)	Non-Carcinogenic (NC)	Lesser of C or NC	Notification Concentrations	Table 2 Criteria	Type 1 GW x 100	Maximum Concentration	RRS Target Concentrations
		(mg/kg-day) $^{-1}$	(mg/kg-day) $^{-1}$	(mg/kg-day)	(mg/kg-day)	(m^3/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SVOCs														
1-Methylnaphthalene	D	--	--	7.00E-02	--	8.10E+04	NV	1.43E+05	1.43E+05	NR	NV	1.00E+00	1.00E+00	NR
2-Methylnaphthalene	D	--	--	4.00E-03	--	8.02E+04	NV	8.18E+03	8.18E+03	NR	NV	1.00E+00	1.00E+00	NR
Acenaphthene	D	--	--	6.00E-02	--	1.95E+05	NV	1.23E+05	1.23E+05	3.00E+02	NV	2.00E+02	3.00E+02	3.00E+02
Acenaphthylene	D	--	--	--	--	2.63E+05	NV	NV	NV	1.30E+02	NV	1.00E+00	1.30E+02	1.30E+02
Anthracene	D	--	--	3.00E-01	--	7.29E+05	NV	6.13E+05	6.13E+05	5.00E+02	NV	1.00E+00	5.00E+02	5.00E+02
Benzo(a)anthracene	B2	7.30E-01	3.85E-01	--	--	NV	7.84E+01	NV	7.84E+01	5.00E+00	NV	1.00E-02	5.00E+00	5.00E+00
Benzo(a)pyrene	B2	7.30E+00	3.85E+00	--	--	NV	7.84E+00	NV	7.84E+00	1.64E+00	NV	2.00E-02	1.64E+00	1.64E+00
Benzo(b)fluoranthene	B2	7.30E-01	3.85E-01	--	--	NV	7.84E+01	NV	7.84E+01	5.00E+00	NV	2.00E-02	5.00E+00	5.00E+00
Benzo(g,h,i)perylene	--	--	--	--	--	NV	NV	NV	NV	5.00E+02	NV	1.00E+00	5.00E+02	5.00E+02
Benzo(k)fluoranthene	B2	7.30E-02	3.85E-01	--	--	NV	7.84E+02	NV	7.84E+02	5.00E+00	NV	1.00E+00	5.00E+00	5.00E+00
Chrysene	B2	7.30E-03	3.85E-02	--	--	NV	7.84E+03	NV	7.84E+03	5.00E+00	NV	1.00E+00	5.00E+00	5.00E+00
Dibenzo(a,h)anthracene	B2	7.30E+00	4.20E+00	--	--	NV	7.84E+00	NV	7.84E+00	5.00E+00	NV	3.00E-02	5.00E+00	5.00E+00
Fluoranthene	D	--	--	4.00E-02	--	NV	NV	8.18E+04	8.18E+04	5.00E+02	NV	1.00E+02	5.00E+02	5.00E+02
Fluorene	D	--	--	4.00E-02	--	3.91E+05	NV	8.18E+04	8.18E+04	3.60E+02	NV	1.00E+02	3.60E+02	3.60E+02
Indeno(1,2,3-cd)pyrene	B2	7.30E-01	3.85E-01	--	--	NV	7.84E+01	NV	7.84E+01	5.00E+00	NV	4.00E-02	5.00E+00	5.00E+00
Naphthalene	C	--	1.19E-01	2.00E-02	8.57E-04	6.39E+04	7.69E+02	2.78E+02	2.78E+02	1.00E+02	NV	2.00E+00	1.00E+02	1.00E+02
Phenanthrene	D	--	--	--	--	NV	NV	NV	NV	1.10E+02	NV	1.00E+00	1.10E+02	1.10E+02
Pyrene	D	--	--	3.00E-02	--	3.40E+06	NV	6.13E+04	6.13E+04	5.00E+02	NV	1.00E+02	5.00E+02	5.00E+02
Metals														
Arsenic	A	1.50E+00	1.51E+01	3.00E-04	4.29E-06	NV	3.81E+01	6.10E+02	3.81E+01	NV	2.00E+01	1.00E+00	2.00E+01	3.81E+01
Barium	D	--	--	2.00E-01	1.43E-04	NV	NV	3.65E+05	3.65E+05	NV	1.00E+03	2.00E+02	1.00E+03	1.00E+03
Cadmium	B	--	6.30E+00	1.00E-03	5.71E-06	NV	1.05E+05	2.01E+03	2.01E+03	NV	2.00E+00	5.00E-01	2.00E+00	2.00E+00
Chromium	D	--	--	--	--	NV	NV	NV	NV	NV	1.00E+02	1.00E+01	1.00E+02	1.00E+02
Chromium III	D	--	--	1.50E+00	--	NV	NV	3.07E+06	3.07E+06	NV	1.00E+02	1.00E+01	1.00E+02	1.00E+02
Chromium VI	A/D*	5.00E-01	2.94E+02	3.00E-03	2.86E-05	NV	1.09E+02	6.08E+03	1.09E+02	NV	1.00E+02	1.00E+01	1.00E+02	1.00E+02
Lead	B2	--	--	--	--	NV	NV	NV	NV	NV	7.50E+01	1.50E+00	7.50E+01	4.00E+02
Mercury	D	--	--	1.00E-04	8.57E-05	2.28E+04	NV	9.52E+00	9.52E+00	NV	5.00E-01	2.00E-01	5.00E-01	5.00E-01
Nickel	--	--	9.10E-01	2.00E-02	2.57E-05	NV	7.28E+05	3.83E+04	3.83E+04	NV	5.00E+01	1.00E+01	5.00E+01	5.00E+01
Selenium	D	--	--	5.00E-03	5.71E-03	NV	NV	1.02E+04	1.02E+04	NV	2.00E+00	5.00E+00	5.00E+00	5.00E+00
Silver	D	--	--	5.00E-03	--	NV	NV	1.02E+04	1.02E+04	NV	2.00E+00	1.00E+01	1.00E+01	1.00E+01

Notes:

-- No value available.

* D for oral exposure; A for inhalation exposure.

NV No value established.

NR Not regulated.

RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR \times CF) + (CSFi \times INH \times (1/PEF \text{ or } VF))]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR \times CF) + ((1/RfDi) \times INH \times (1/PEF \text{ or } VF))]}$$

where :

Preliminary Risk Goal (mg/kg)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Hazard Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSF	chemical-specific	RSL, 2012
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2012
Ingestion Rate (mg/day)	IR	50	GEPD, 2003
Inhalation Rate (m^3/day)	INH	20	GEPD, 2003
Exposure Frequency (days/year)	EF	250	GEPD, 2003
Exposure Duration (years)	ED	25	GEPD, 2003
Body Weight (kg)	BW	70	GEPD, 2003
Conversion Factor (kg/mg)	CF	1.0E-06	--
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	9,125	GEPD, 2003
Particulate Emission Factor (m^3/kg)	PEF	4.63E+09	GEPD, 2003
Volatilization Factor (m^3/kg)	VF	chemical-specific	Refer to Table 7

References:

GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.

RSL, 2012: Regional Screening Level (RSL) Summary Table, April 2012.

TABLE 5

DERIVATION OF GENERIC TYPE 4 TARGET CONCENTRATIONS FOR SOIL
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

Regulated Substances	Leaching Potential criterion d.1 (1) (mg/kg)	Toxicity Class	Toxicity Indices: CSFo (Oral) (mg/kg-day)$^{-1}$	CSFi (Inhalation) (mg/kg-day)$^{-1}$	RfDo (Oral) (mg/kg-day)	RfDi (Inhalation) (mg/kg-day)	Volatilization Factor (VF) (2) (m^3/kg)	Longterm On-Site Worker: Carcinogenic criterion d.2 (mg/kg)	Non-Carcinogenic criterion d.3 (mg/kg)	Least of d.1 thru d.3 (mg/kg)	Type 4 will not to be less than: Table 2 App III (mg/kg)	Background Conc. (mg/kg)	Type 3 RRS (mg/kg)	Type 4 RRS Target Concentrations (mg/kg)
SVOCs														
1-Methylnaphthalene	3.76E+01	--	--	--	7.00E-02	--	8.10E+04	NV	1.43E+05	3.76E+01	NV	NV	NR	NR
2-Methylnaphthalene	2.11E+00	D	--	--	4.00E-03	--	8.02E+04	NV	8.18E+03	2.11E+00	NV	NV	NR	NR
Acenaphthene	6.29E+01	D	--	--	6.00E-02	--	1.95E+05	NV	1.23E+05	6.29E+01	NV	NV	3.00E+02	3.00E+02
Acenaphthylene	1.03E-01	D	--	--	--	--	2.63E+05	NV	NV	1.03E-01	NV	NV	1.30E+02	1.30E+02
Anthracene	1.01E+03	D	--	--	3.00E-01	--	7.29E+05	NV	6.13E+05	1.01E+03	NV	NV	5.00E+02	1.01E+03
Benzo(a)anthracene	3.54E+00	B2	7.30E-01	3.85E-01	--	--	NV	7.84E+01	NV	3.54E+00	NV	NV	5.00E+00	5.00E+00
Benzo(a)pyrene	1.18E+01	B2	7.30E+00	3.85E+00	--	--	NV	7.84E+00	NV	7.84E+00	NV	NV	1.64E+00	7.84E+00
Benzo(b)fluoranthene	1.20E+01	B2	7.30E-01	3.85E-01	--	--	NV	7.84E+01	NV	1.20E+01	NV	NV	5.00E+00	1.20E+01
Benzo(g,h,i)perylene	3.90E+01	--	--	--	--	--	NV	NV	NV	3.90E+01	NV	NV	5.00E+02	5.00E+02
Benzo(k)fluoranthene	4.61E+01	B2	7.30E-02	3.85E-01	--	--	NV	7.84E+02	NV	4.61E+01	NV	NV	5.00E+00	4.61E+01
Chrysene	1.42E+02	B2	7.30E-03	3.85E-02	--	--	NV	7.84E+03	NV	1.42E+02	NV	NV	5.00E+00	1.42E+02
Dibenzo(a,h)anthracene	3.82E+01	B2	7.30E+00	4.20E+00	--	--	NV	7.84E+00	NV	7.84E+00	NV	NV	5.00E+00	7.84E+00
Fluoranthene	4.54E+02	D	--	--	4.00E-02	--	NV	NV	8.18E+04	4.54E+02	NV	NV	5.00E+02	5.00E+02
Fluorene	7.57E+01	D	--	--	4.00E-02	--	3.91E+05	NV	8.18E+04	7.57E+01	NV	NV	3.60E+02	3.60E+02
Indeno(1,2,3-cd)pyrene	3.90E+01	B2	7.30E-01	3.85E-01	--	--	NV	7.84E+01	NV	3.90E+01	NV	NV	5.00E+00	3.90E+01
Naphthalene	6.58E-02	C	--	1.19E-01	2.00E-02	8.57E-04	6.39E+04	7.69E+02	2.78E+02	6.58E-02	NV	NV	1.00E+02	1.00E+02
Phenanthrene	3.36E-01	D	--	--	--	--	NV	NV	NV	3.36E-01	NV	NV	1.10E+02	1.10E+02
Pyrene	3.34E+02	D	--	--	3.00E-02	--	3.40E+06	NV	6.13E+04	3.34E+02	NV	NV	5.00E+02	5.00E+02
Metals														
Arsenic	2.92E-01	A	1.50E+00	1.51E+01	3.00E-04	4.29E-06	NV	3.81E+01	6.10E+02	2.92E-01	2.00E+01	4.10E+01	3.81E+01	2.92E-01
Barium	8.42E+02	D	--	--	2.00E-01	1.43E-04	NV	NV	3.75E+05	8.42E+02	1.00E+03	NV	1.00E+03	1.00E+03
Cadmium	3.84E+00	B	--	6.30E+00	1.00E-03	5.71E-06	NV	1.40E+05	2.02E+03	3.84E+00	2.00E+00	NV	2.00E+00	3.84E+00
Chromium	NV	D	--	--	--	--	NV	NV	NV	NV	1.00E+02	NV	1.00E+02	1.00E+02
Chromium III	2.76E+08	D	--	--	1.50E+00	--	NV	NV	3.07E+06	3.07E+06	1.00E+02	NV	1.00E+02	3.07E+06
Chromium VI	1.92E+00	A/D*	5.00E-01	2.94E+02	3.00E-03	2.86E-05	NV	1.10E+02	6.09E+03	1.92E+00	1.00E+02	NV	1.00E+02	1.00E+02
Lead	1.35E+01	B2	--	--	--	--	NV	NV	9.30E+02	(2) 1.35E+01	7.50E+01	NV	4.00E+02	1.35E+01
Mercury	1.04E-01	D	--	--	1.00E-04	8.57E-05	2.28E+04	NV	1.25E+01	1.04E-01	5.00E-01	NV	5.00E-01	5.00E-01
Nickel	1.33E+02	--	--	9.10E-01	2.00E-02	2.57E-05	NV	9.71E+05	3.89E+04	1.33E+02	5.00E+01	NV	5.00E+01	1.33E+02
Selenium	2.66E+00	D	--	--	5.00E-03	5.71E-03	NV	NV	1.02E+04	2.66E+00	2.00E+00	NV	5.00E+00	5.00E+00
Silver	4.34E+00	D	--	--	5.00E-03	--	NV	NV	1.02E+04	4.34E+00	2.00E+00	NV	1.00E+01	1.00E+01

Notes:

-- No value available.

* D for oral exposure; A for inhalation exposure.

NV No value established.

NR Not regulated.

RAGS Risk Assessment Guidance for Superfund, Volume 1, Part B [EPA/540/R-92/003], December, 1991.

(1) See Table 6 in derivation of leaching potential (criterion d.1). Note, based on DAF of 1.

(2) Lead concentration is generated by Adult Lead Model. See Table 8 for derivation of PRG.

Exposure Equations:

Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATc}{EF \times ED \times [(CSFo \times IR \times CF) + (CSFi \times INH \times (1/PEF \text{ or } VF))]}$$

Non-Carcinogenic Endpoints:

$$PRG = \frac{TR \times BW \times ATnc}{EF \times ED \times [((1/RfDo) \times IR \times CF) + ((1/RfDi) \times INH \times (1/PEF \text{ or } VF))]}$$

where :

Preliminary Risk Goal (mg/kg)	PRG	calculated	
Target Risk Level (unitless)	TR	1.0E-05	GEPD, 2003 (Class A/B carcinogens)
Target Hazard Level (unitless)	TR	1.0E-04	GEPD, 2003 (Class C carcinogens)
Target Hazard Level (unitless)	THQ	1	GEPD, 2003
Cancer Slope Factor (per mg/kg-day)	CSF	chemical-specific	RSL, 2012
Reference Dose Factor (mg/kg-day)	RfD	chemical-specific	RSL, 2012
Ingestion Rate (mg/day) - adult	IR	50	GEPD, 2003
Inhalation Rate (m^3/day)	INH	20	GEPD, 2003
Exposure Frequency (days/year)	EF	250	GEPD, 2003
Exposure Duration (years) - adult	ED	25	GEPD, 2003
Body Weight (kg) - adult	BW	70	GEPD, 2003
Conversion Factor (kg/mg)	CF	1.0E-06	--
Averaging Time - carc. (days)	ATc	25,550	GEPD, 2003
Averaging Time - noncarc. (days)	ATnc	9,125	GEPD, 2003
Particulate Emission Factor (m^3/kg)	PEF	4.63E+09	GEPD, 2003
Volatilization Factor (m^3/kg)	VF	chemical-specific	Refer to Table 7

References:

GEPD, 2003: Rule 391-3-19-.07, Risk Reduction Standards, July 23, 2003.

RSL, 2012: Regional Screening Level (RSL) Summary Table, April 2012.

TABLE 6
CALCULATION OF SOIL LEACHING CRITERION (CRITERION d.1) FOR HSRA SOIL TARGET CONCENTRATIONS
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

Soil Leaching Criterion (Criterion d.1); USEPA, 1996 = Cw x [Kd + (Ow + Oa x H)/Pb]

Note: Based on DAF of 1.

where :		
Cw	chemical specific	
Kd	chemical specific	= Koc x Foc; where Foc = 0.002 (0.2%)
Ow	0.3	
Oa	n-Ow	0.13
n	1-(Pb/Ps)	0.43
Pb	1.5	
Ps	2.65	
H	chemical specific	

USEPA, 1996: Soil Screening Level Partitioning Equation for Migration to Ground Water, Equation 10, Soil Screening Guidance, 9355.4-23, July 1996.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table, April 2012.
Exceptions: Values in bold font for **Koc or Kd** were taken from USEPA Soil Screening Guidance, December 2002.
Values in bold font for **Koc or Kd** were taken from RAIS Website (http://rais.ornl.gov/)

Parameters	*Soil Leaching Criterion d.1*	*GW RRSs (Type 3 or 4 RRS)*	*Partition Coefficient (1)*	*Koc (1)*	*Henry Law's Constant*
	mg/kg	*mg/L*	*L/kg*	*L/kg*	*dimensionless*
SVOCs					
1-Methylnaphthalene	3.76E+01	7.15E+00	5.06E+00	2.53E+03	2.11E-02
2-Methylnaphthalene	2.11E+00	4.09E-01	4.96E+00	2.48E+03	2.12E-02
Acenaphthene	6.29E+01	6.13E+00	1.01E+01	5.03E+03	7.54E-03
Acenaphthylene	1.03E-01	1.00E-02	1.01E+01	5.03E+03	4.66E-03
Anthracene	1.01E+03	3.07E+01	3.27E+01	1.64E+04	2.28E-03
Benzo(a)anthracene	3.54E+00	1.00E-02	3.54E+02	1.77E+05	4.92E-04
Benzo(a)pyrene	1.18E+01	1.00E-02	1.17E+03	5.87E+05	1.87E-05
Benzo(b)fluoranthene	1.20E+01	1.00E-02	1.20E+03	5.99E+05	2.69E-05
Benzo(g,h,i)perylene	3.90E+01	1.00E-02	3.90E+03	1.95E+06	1.35E-05
Benzo(k)fluoranthene	4.61E+01	3.92E-02	1.17E+03	5.87E+05	2.39E-05
Chrysene	1.42E+02	3.92E-01	3.61E+02	1.81E+05	2.14E-04
Dibenzo(a,h)anthracene	3.82E+01	1.00E-02	3.82E+03	1.91E+06	5.78E-06
Fluoranthene	4.54E+02	4.09E+00	1.11E+02	5.55E+04	3.63E-04
Fluorene	7.57E+01	4.09E+00	1.83E+01	9.16E+03	3.94E-03
Indeno(1,2,3-cd)pyrene	3.90E+01	1.00E-02	3.90E+03	1.95E+06	1.43E-05
Naphthalene	6.58E-02	2.00E-02	3.09E+00	1.54E+03	1.80E-02
Phenanthrene	3.36E-01	1.00E-02	3.34E+01	1.67E+04	1.73E-03
Pyrene	3.34E+02	3.07E+00	1.09E+02	5.43E+04	4.88E-04
Metals					
Arsenic	2.92E-01	1.00E-02	**2.90E+01**	--	0.00E+00
Barium	8.42E+02	2.04E+01	**4.10E+01**	--	0.00E+00
Cadmium	3.84E+00	5.11E-02	**7.50E+01**	--	0.00E+00
Calcium	NV	#REF!	--	--	0.00E+00
Chromium	NV	1.00E-01	--	--	0.00E+00
Chromium III	2.76E+08	1.53E+02	**1.80E+06**	--	0.00E+00
Chromium VI	1.92E+00	1.00E-01	**1.90E+01**	--	0.00E+00
Lead	1.35E+01	1.50E-02	**9.00E+02**	--	0.00E+00
Mercury	1.04E-01	2.00E-03	**5.20E+01**	--	0.00E+00
Nickel	1.33E+02	2.04E+00	**6.50E+01**	--	0.00E+00
Selenium	2.66E+00	5.11E-01	**5.00E+00**	--	0.00E+00
Silver	4.34E+00	5.11E-01	**8.30E+00**	--	0.00E+00

TABLE 7

CALCULATION OF VOLATILIZATION FACTOR (VF) FOR HSRA SOIL TARGET CONCENTRATIONS

FORMER BIBB MILL SITE

NEWNAN, GEORGIA

$$VF\ (m^3/kg) = \frac{(LS \times V \times DH)}{A} \times \frac{(3.14 \times alpha \times T)^{1/2}}{(2 \times D_{ei} \times E \times K_{as} \times 10^{-3}\ kg/g)}$$

where :

alpha (cm^2/s) = $(D_{ei} \times E)/(E + [p_s(1-E)/K_{as}])$

LS/ length of side of contaminated area (m^2) = 4.50E+01

V/ wind speed in mixing zone (m/s) = 2.25E+00

DH/ diffusion height (m) = 2.00E+00

A/ area of contamination (cm^2) = 2.03E+07

T/ exposure interval (s) = 9.46E+08 (= 30 yrs) Type 1

T/ exposure interval (s) = 7.88E+08 (= 25 yrs) Type 3/4

p_s/ density of soil solids (g/cm^3) = 2.65E+00

OC/ soil organic carbon content fraction (unitless) = 2.00E-02

D_{ei}/ effective diffusivity (cm^2/s) = $D_i \times E^{0.33}$

D_i/ Molecular Diffusivity (cm^2/s) = chemical specific

E/ total soil porosity (unitless) = 3.50E-01

K_{as}/ soil/ air partition coefficient (g soil/ cm^3 air) = $(H/K_d) \times 41$

K_d/ soil-water partition coefficient (cm^3/g) = Koc x Foc; where Foc = 0.02 (2%)

H/ Henry's Law Constant ($atm\text{-}m^3/mol$) = chemical specific

Koc/ organic carbon partition coefficient (cm^3/g) = chemical specific

Assumptions:

Uses default values from Rule 391-3-19 , Appendix III, Table 3.

(1) Chemical-specific parameters were taken from Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table, April 2012.

Exceptions: Values in bold font for **D_i, H, Koc, and Kd** were taken from USEPA Soil Screening Guidance, December 2002.

Values in bold font for **Di, H, Koc, and Kd** were taken from RAIS Website (http://rais.ornl.gov/)

Parameters	*D_i (1)*	*D_{ei}*	*H (1)*	*Koc (1)*	*K_d*	*K_{as}*	*alpha*	*Type 1 VF*	*Type 3/4 VF*
	cm^2/s	*cm^2/s*	*$atm\text{-}m^3/mol$*	*cm^3/g*	*cm^3/g*	*g/cm^3*	*cm^2/s*	*m^3/kg*	*m^3/kg*
SVOCs									
1-Methylnaphthalene	5.28E-02	3.73E-02	5.14E-04	2.53E+03	5.06E+01	4.17E-04	3.16E-06	8.88E+04	8.10E+04
2-Methylnaphthalene	5.24E-02	3.71E-02	5.18E-04	2.48E+03	4.96E+01	4.29E-04	3.23E-06	8.78E+04	8.02E+04
Acenaphthene	5.06E-02	3.58E-02	1.84E-04	5.03E+03	1.01E+02	7.50E-05	5.46E-07	2.14E+05	1.95E+05
Acenaphthylene	**4.50E-02**	3.18E-02	**1.14E-04**	**5.03E+03**	1.01E+02	4.63E-05	3.00E-07	2.88E+05	2.63E+05
Anthracene	3.90E-02	2.76E-02	5.56E-05	1.64E+04	3.27E+02	6.97E-06	3.90E-08	7.99E+05	7.29E+05
Benzo(a)anthracene	--	--	--	--	--	--	--	NV	NV
Benzo(a)pyrene	--	--	--	--	--	--	--	NV	NV
Benzo(b)fluoranthene	--	--	--	--	--	--	--	NV	NV
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	NV	NV
Benzo(k)fluoranthene	--	--	--	--	--	--	--	NV	NV
Chrysene	--	--	--	--	--	--	--	NV	NV
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	NV	NV
Fluoranthene	--	--	--	--	--	--	--	NV	NV
Fluorene	4.40E-02	3.11E-02	9.62E-05	9.16E+03	1.83E+02	2.15E-05	1.36E-07	4.28E+05	3.91E+05
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	NV	NV
Naphthalene	6.05E-02	4.28E-02	4.40E-04	1.54E+03	3.09E+01	5.84E-04	5.08E-06	7.00E+04	6.39E+04
Phenanthrene	--	--	--	--	--	--	--	NV	NV
Pyrene	2.78E-02	1.97E-02	1.19E-05	5.43E+04	1.09E+03	4.49E-07	1.79E-09	3.73E+06	3.40E+06
Metals									
Arsenic	--	--	--	--	--	--	--	NV	NV
Barium	--	--	--	--	--	--	--	NV	NV
Cadmium	--	--	--	--	--	--	--	NV	NV
Chromium	--	--	--	--	--	--	--	NV	NV
Chromium III	--	--	--	--	--	--	--	NV	NV
Chromium VI	--	--	--	--	--	--	--	NV	NV
Lead	--	--	--	--	--	--	--	NV	NV
Mercury	3.07E-02	2.17E-02	1.15E-02	--	**5.20E+01**	9.04E-03	3.98E-05	2.50E+04	2.28E+04
Nickel	--	--	--	--	--	--	--	NV	NV
Selenium	--	--	--	--	--	--	--	NV	NV
Silver	--	--	--	--	--	--	--	NV	NV

TABLE 8
DERIVATION OF DIRECT EXPOSURE FOR LEAD IN SOIL
(GEORGIA ADULT LEAD MODEL)
FORMER BIBB MILL SITE
NEWNAN, GEORGIA

$$\textit{PRG for Lead in Soil (ug/g)} = C_s = \frac{(PbB_{adult,\,central,\,goal} - PbB_{adult,\,0})}{(BSF * (EF/AT)}$$

where :

$$PbB_{adult,\,central,\,goal} = \frac{PbB_{fetal,\,0.95,\,goal}}{GSD_i^{1.645} * R_{fetal/\,maternal}}$$

Model Parameters	*units*	*Typical Value*	*Longterm On-Site Worker*
95th Percentile PbB in fetus ($PbB_{fetal,\,0.95,\,goal}$)	(ug/dL)	10	10
Individual geometric standard deviation (GSD_i)	--	1.8 - 2.1	2.04
$R_{fetal/maternal}$	--	0.9	0.9
Baseline blood lead value (PbB_b)	(ug/dL)	1.7 - 2.2	1.38
Biokinetic slope factor (BSF)	(ug/dL per ug/day)	0.4	0.4
Soil ingestion rate (I_s)	(g/day)	0.05	0.05
Soil Exposure Frequency (EF)	(days/yr)	219 - 250	219
Absolute absorption fraction of lead in soil (A_s)	--	0.12	0.12
Averaging Time (AT)	(days)	365	365
Concentration of lead in groundwater (C_w) at the Site	(ug/L)	Default	15
Intake rate of water from on-site groundwater (I_w)	(L/day)	1	1
Absolute absorption fraction of lead in water (A_w)	--	0.2	0.2
Calculated PRG [Lead Concentration in Soil (Cs)]	(ug/g = mg/kg)		**930**

Assumptions:

Uses default values from Rule 391-3-19 , Appendix IV, Table 1, except for Cw.

APPENDIX D

REVISED AREA AVERAGING CALCULATIONS

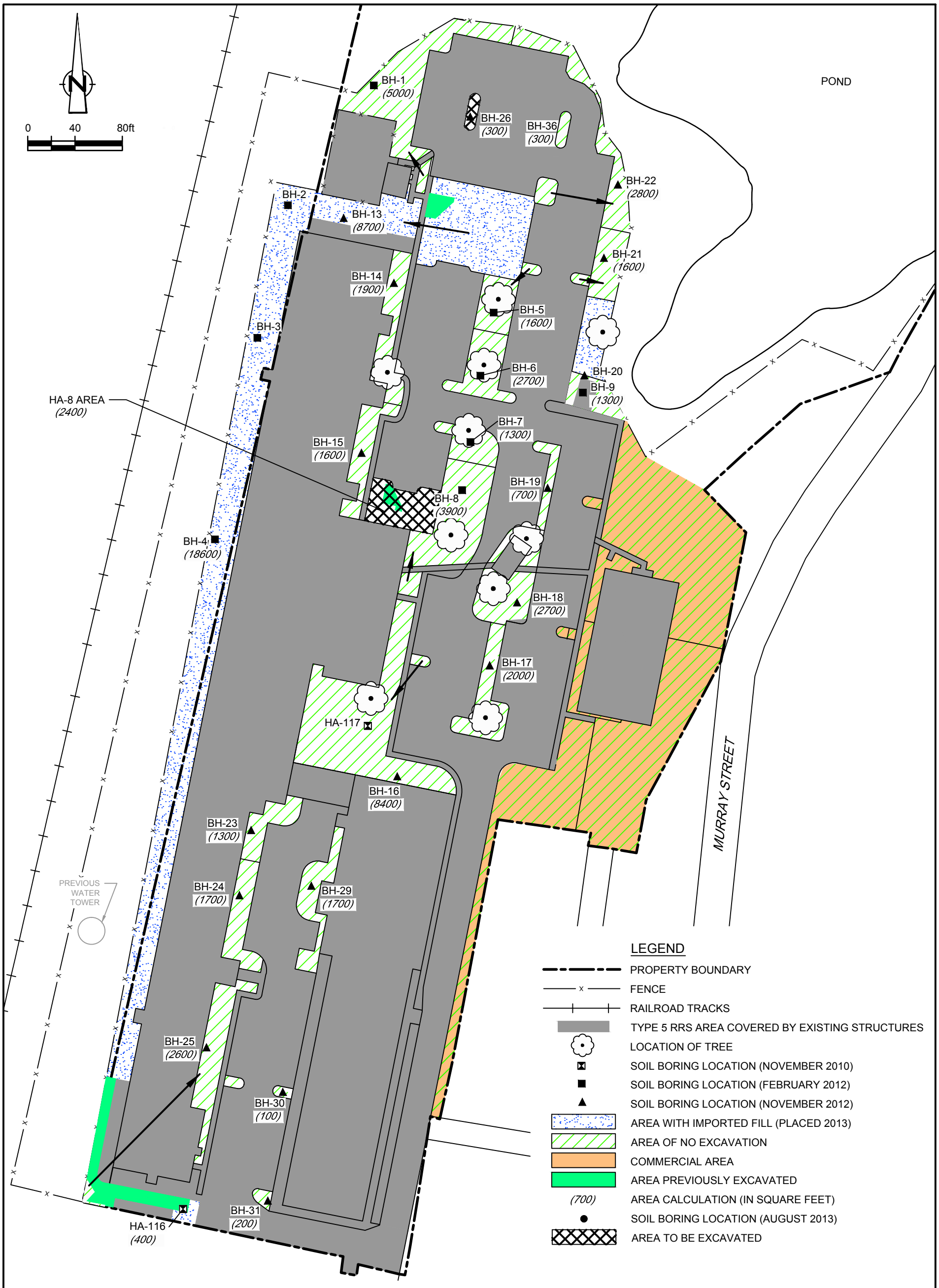

figure 1

SOIL AVERAGING (0-1 FOOT INTERVAL)
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(009)GN-WA005 AUG 15/2013

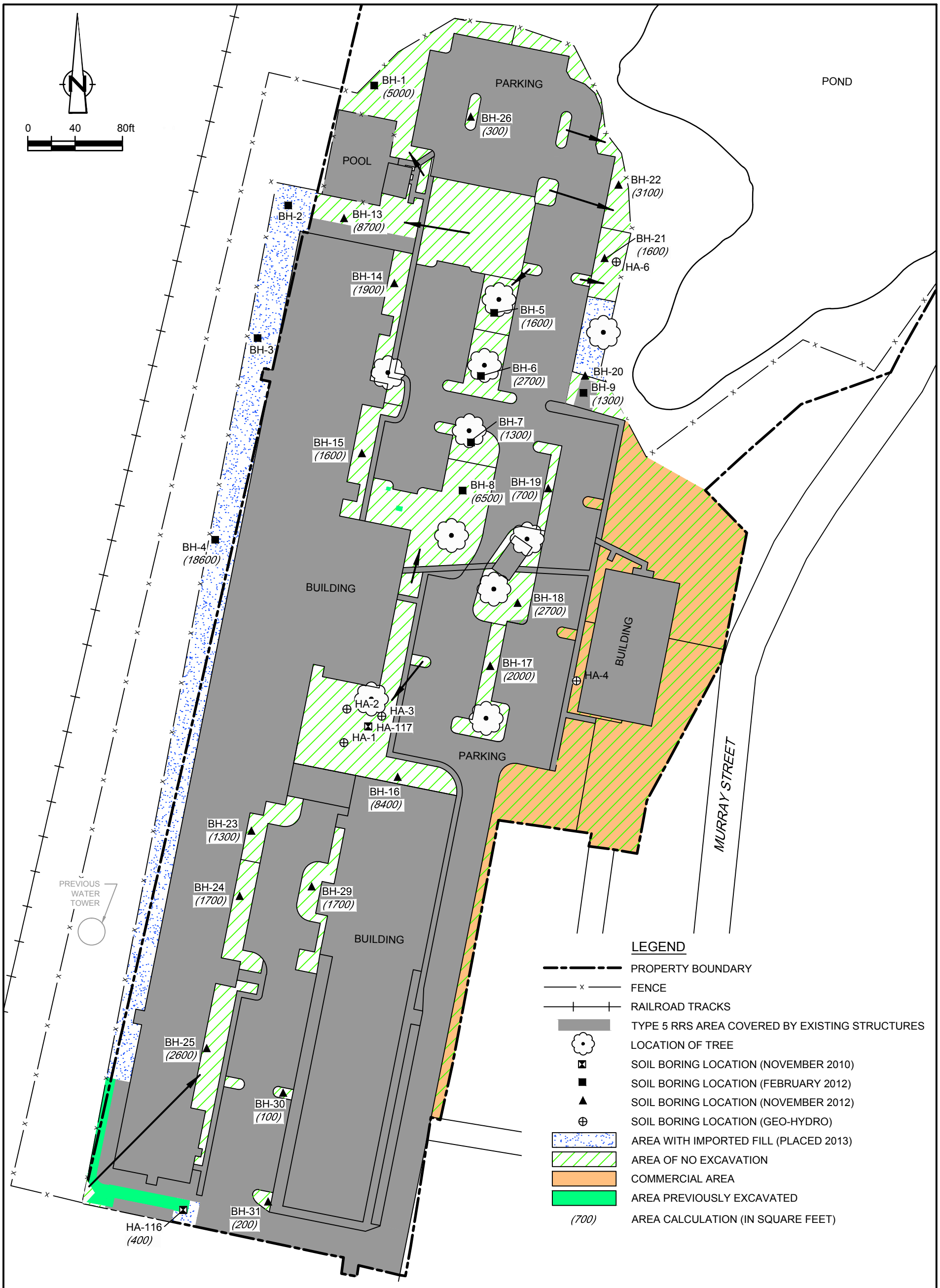

figure 2

SOIL AVERAGING (1-2 FOOT INTERVAL)
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(009)GN-WA006 AUG 15/2013

TABLE 1
AREA AVERAGING WITH UCL (0-1 ft bgs)
NEWNAN LOFTS
AUGUST 2013

					Total Site							
					B[a]A	*B[a]P*	*B[b]F*	*B[k]F*	*Chrysene*	*Indeno*	*Arsenic*	*Lead*
					ug/kg	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**mg/kg**	**mg/kg**
				Type 1 RRS	5000	1640	5000	5000	5000	5000	20	75
				Representative Area (ft^2)	75800	75800	75800	75800	75800	75800	75800	75800
				Weighted Average	897	849	1049	481	910	561	6.28	37.0
				Weighted Standard Deviation	1608	1501	1932	615	1586	846	7.67	48.8
				Number of Observations	21	21	21	21	21	21	21	21
				UCL Confidence Level (1-sided)	95%	95%	95%	95%	95%	95%	95%	95%
				Student's t statistic	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
				UCL	**1502**	**1414**	**1776**	**713**	**1507**	**880**	**9.2**	**55.4**
Location ID	*Sample Name*	*Sample Date*	*Sample Depth*	*Area Weight (ft^2)*								
BH-1	***S-021012-BLL-001***	***2/10/2012***	***0-1 ft BGS***	***5000***	370	370	380	370	370	370	5.27	21.9
BH-5	***S-021012-BLL-013***	***2/10/2012***	***0-1 ft BGS***	***1600***	2500	2300	2500	1200	2800	1400	7.91	246
BH-6	***S-021012-SAG-017***	***2/10/2012***	***0-1 ft BGS***	***2700***	820	700	870	460	920	500	6.88	26.7
BH-7	***S-021012-SAG-020***	***2/10/2012***	***0-1 ft BGS***	***1300***	1200	1200	1600	770	1600	860	5.36	34.3
BH-8	***S-021012-SAG-023***	***2/10/2012***	***0-1 ft BGS***	***3900***	3800	3800	4600	1800	4300	2600	37.3	168
BH-14	***S-051315-111912-SAG-003***	***11/19/2012***	***0-1 ft BGS***	***1900***	7700	7000	9300	2200	7200	3700	5.74	60.1
BH-15	***S-051315-111912-SAG-006***	***11/19/2012***	***0-1 ft BGS***	***1600***	4600	4300	5200	1400	4100	2300	6.22	117
BH-16	***S-051315-111912-SAG-008***	***11/19/2012***	***0-1 ft BGS***	***8400***	400	400	400	400	400	400	5.73	30.7
BH-17	***S-051315-111912-SAG-010***	***11/19/2012***	***0-1 ft BGS***	***2000***	400	400	400	400	400	400	5.98	19.6
BH-18	***S-051315-111912-SAG-012***	***11/19/2012***	***0-1 ft BGS***	***2700***	400	400	400	400	400	400	5.83	24.1
BH-19	***S-051315-111912-SAG-014***	***11/19/2012***	***0-1 ft BGS***	***700***	1600	1700	2200	79	1600	860	17.5	62.6
BH-21	***S-051315-111912-SAG-018***	***11/19/2012***	***0-1 ft BGS***	***1600***	370	370	370	370	370	370	5.4	22.6
BH-22	***S-051315-111912-SAG-020***	***11/19/2012***	***0-1 ft BGS***	***2800***	1100	930	1400	440	1100	610	5.81	43.4
BH-23	***S-051315-112012-SAG-027***	***11/19/2012***	***0-1 ft BGS***	***1300***	2800	2700	3600	950	2600	1200	5.41	52
BH-24	***S-051315-112012-SAG-030***	***11/20/2012***	***0-1 ft BGS***	***1700***	2500	2100	3000	680	2400	1200	5.56	49
BH-25	***S-051315-112012-SAG-032***	***11/20/2012***	***0-1 ft BGS***	***2600***	390	390	480	790	390	390	5.51	22.4
BH-29	***S-051315-112012-SAG-034***	***11/20/2012***	***0-1 ft BGS***	***1700***	380	380	430	2300	380	380	5.67	12.5
BH-30	***S-051315-112012-SAG-036***	***11/20/2012***	***0-1 ft BGS***	***100***	390	390	390	380	390	390	5.8	15
BH-31	***S-051315-112012-SAG-038***	***11/20/2012***	***0-1 ft BGS***	***200***	2600	2600	3400	390	2400	1300	5.76	31.2
BH-36	***051315-BP-080813-01***	***8/8/2013***	***0-1 ft BGS***	***300***	420	390	520	390	400	390	5.38	17.3
AVG Fill				***31700***	41.3	41.3	41.3	41.3	41.3	41.3	2.79	13.3

Notes:

- Representative areas are approximate
- The full PDL or Reporting Limit was used to estimate a non-detect
- J values were used and assumed to be correct
- 9000 **-exceedance of Type 1 RRS**

- UCL = Upper Confidence Limit on the popluation mean.
- UCLs have been calculated assuming a normal (gaussian) data distribution.
  BH-23 includes highest values from BH-23 & BH-23 Duplicate
  BH-16 includes highest values from BH-16 & HA-117
- Average Fill includes the areas from BH-4 (18,600 sq. ft.), BH-9/BH-20 (1,300 sq. ft.), BH-13 (8,700 sq. ft.), HA-116 (400 sq. ft.), HA-8 (2,400 sq. ft.), and BH-26 (300 sq. ft.).

		Total Area Not Excavated	Area To Excavate (Fill)	Previously Excavated	Total ft^2
Representative Area	*(ft^2)*	44100	31700	2200	78000

	Units	***Type 1 RRS***	***Area Weighted Average***	***Area Weighted UCL***
Benzo(a)anthracene	*ug/kg*	5000	897	***1502***
Benzo(a)pyrene	*ug/kg*	1640	849	***1414***
Benzo(b)fluoranthene	*ug/kg*	5000	1049	***1776***
Benzo(k)fluoranthene	*ug/kg*	5000	481	***713***
Chrysene	*ug/kg*	5000	910	***1507***
Indeno(1,2,3-cd)pyrene	*ug/kg*	5000	561	***880***
Arsenic	*mg/kg*	20	6.3	***9.2***
Lead	*mg/kg*	75	37	***55***

TABLE 2
AREA AVERAGING WITH UCL (1-2 ft bgs)
NEWNAN LOFTS
APRIL 2013

					Total Site							
					B[a]A	*B[a]P*	*B[b]F*	*B[k]F*	*Chrysene*	*I[1,2,3-cd]P*	*Arsenic*	*Lead*
					ug/kg	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**mg/kg**	**mg/kg**
				Type 1 RRS	5000	1640	5000	5000	5000	5000	20	75
				Representative Area (ft^2)	76000	76000	76000	76000	76000	76000	76000	76000
				Weighted Average	1037	981	1224	469	1013	505	8.34	26.7
				Weighted Standard Deviation	1679	1514	1891	523	1640	563	7.36	19.9
				Number of Observations	22	22	22	22	22	22	22	22
				UCL Confidence Level (1-sided)	95%	95%	95%	95%	95%	95%	95%	95%
				Student's t statistic	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
				UCL	**1652**	**1536**	**1918**	**661**	**1615**	**712**	**11.0**	**34.0**
Location ID	*Sample Name*	*Sample Date*	*Sample Depth*	*Area Weight (ft^2)*								
BH-1	***S-021012-BLL-002***	***2/10/2012***	***1-2 ft BGS***	***5000***	410	410	410	410	410	410	5.82	10.8
BH-5	***S-021012-BLL-014***	***2/10/2012***	***1-2 ft BGS***	***1600***	380	380	380	380	380	380	5.69	10.2
BH-6	***S-021012-SAG-018***	***2/10/2012***	***1-2 ft BGS***	***2700***	4200	3800	4700	1700	4500	2000	5.88	88.7
BH-7	***S-021012-SAG-021***	***2/10/2012***	***1-2 ft BGS***	***1300***	370	370	370	370	370	370	5.66	7.5
BH-8	***S-021012-SAG-030***	***02-10-2012***	***1-2 ft BGS***	***6500***	540	510	630	410	640	410	25.2	40.6
BH-13	***S-051315-111912-SAG-002***	***11/19/2012***	***1-2 ft BGS***	***8700***	1300	1300	1700	520	1200	710	5.46	17.4
BH-14	***S-051315-111912-SAG-004***	***11/19/2012***	***1-2 ft BGS***	***1900***	1100	970	1300	440	960	490	6.25	11.8
BH-15	***S-051315-111912-SAG-007***	***11/19/2012***	***1-2 ft BGS***	***1600***	1500	1500	1900	590	1300	790	5.49	36.4
BH-16	***S-051315-111912-SAG-009***	***11/19/2012***	***1-2 ft BGS***	***8400***	410	410	410	410	410	410	20	17.3
BH-17	***S-051315-111912-SAG-011***	***11/19/2012***	***1-2 ft BGS***	***2000***	540	530	700	390	520	390	8.53	37.6
BH-18	***S-051315-111912-SAG-013***	***11/19/2012***	***1-2 ft BGS***	***2700***	480	470	680	390	490	390	5.85	34.7
BH-19	***S-051315-111912-SAG-015***	***11/19/2012***	***1-2 ft BGS***	***700***	1400	1400	1800	530	1400	730	4.95	61.6
BH-21	***S-051315-111912-SAG-019***	***11/19/2012***	***1-2 ft BGS***	***1600***	670	700	940	360	690	370	12.6	54.6
BH-22	***S-051315-111912-SAG-021***	***11/19/2012***	***1-2 ft BGS***	***3100***	650	640	820	380	640	380	5.53	48.3
BH-23	***S-051315-112012-SAG-029***	***11/19/2012***	***1-2 ft BGS***	***1300***	9400	7600	10000	3100	9200	2500	5.59	34.8
BH-24	***S-051315-112012-SAG-031***	***11/20/2012***	***1-2 ft BGS***	***1700***	6200	6500	7300	1600	5800	2400	5.42	80.5
BH-25	***S-051315-112012-SAG-033***	***11/20/2012***	***1-2 ft BGS***	***2600***	2300	2100	2900	780	2200	760	5.35	32.8
BH-26	***S-051315-112012-SAG-023***	***11/20/2012***	***1-2 ft BGS***	***300***	380	380	520	360	370	360	5.47	24.6
BH-29	***S-051315-112012-SAG-035***	***11/20/2012***	***1-2 ft BGS***	***1700***	2700	2600	3500	920	2400	370	5.2	34.6
BH-30	***S-051315-112012-SAG-037***	***11/20/2012***	***1-2 ft BGS***	***100***	2600	2200	3000	840	2200	1100	5.5	37.1
BH-31	***S-051315-112012-SAG-039***	***11/20/2012***	***1-2 ft BGS***	***200***	2800	2200	3200	930	2600	1400	5.58	52
AVG Fill				***20300***	41.3	41.3	41.3	41.3	41.3	41.3	2.79	13.3

Notes:

- Representative areas are approximate
- BH-9 and BH-20's values were averaged
- PAH's for HA-117 were not analyzed, but are assumed to be equal to BH-16

- The full PDL or Reporting Limit was used to estimate a non-detect
- J values were used and assumed to be correct
- 9000 **-exceedance of Type 1 RRS**
- UCL = Upper Confidence Limit on the popluation mean.
- UCLs have been calculated assuming a normal (gaussian) data distribution.
- All sample data (including any sample data with duplicate samples) is represented by the highest values from each attributible sample
  - BH-10 includes highest values from BH-10 & HA-5
  - BH-12 includes highest values from BH-12 & HA-14
  - BH-16 includes highest values from BH-16,HA-1, HA-2, HA-3 & HA-117
  - BH-21 includes highest values from BH-21 & HA-6
- Average Fill includes areas from BH-4 (18,600 sq. ft.), BH-20 (1,300 sq. ft.), and

		Total Area Not Excavated	Area To Excavate (Fill)	Previously Excavated	Total ft^2
Representative Area	*(ft^2)*	55700	20300	2000	78000

	Units	***Type 1 RRS***	***Area Weighted Average***	***Area Weighted UCL***
Benzo(a)anthracene	*ug/kg*	5000	1037	***1652***
Benzo(a)pyrene	*ug/kg*	1640	981	***1536***
Benzo(b)fluoranthene	*ug/kg*	5000	1224	***1918***
Benzo(k)fluoranthene	*ug/kg*	5000	469	***661***
Chrysene	*ug/kg*	5000	1013	***1615***
Indeno(1,2,3-cd)pyrene	*ug/kg*	5000	505	***712***
Arsenic	*mg/kg*	20	8.3	***11***
Lead	*mg/kg*	75	27	***34***

APPENDIX E

ENVIRONMENTAL INSPECTION AND MAINTENANCE PLAN

DRAFT

ENVIRONMENTAL INSPECTION AND MAINTENANCE PLAN

NEWNAN LOFTS APARTMENT COMPLEX
NEWNAN, GEORGIA

JULY 2013

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LIST OF FIGURES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

The Newnan Lofts Environmental Inspection and Maintenance Plan (the "Newnan Lofts Plan") describes the requirements for inspecting, repairing and reporting the conditions of the landscaped portions of the Newnan Lofts Apartment Complex. The original conditions and general requirements for the landscaped portions of the grounds are defined as:

- The grassy areas inside the fence, accessible to residents, must be maintained with no obvious holes and free from washout or erosion.
- The grounds are not to be used for vegetable or fruit gardens.
- The parking lot areas must be maintained with no large cracks or holes, covering all soil underneath.
- Sidewalks and curbing and the concrete apron adjacent to the buildings must be free from damage, large cracks, and holes with no apparent erosion or washout, covering all soil underneath.
- Select trees have filter fabric placed under rocks extending to the outside edge of the tree; the filter fabric must remain intact and rocks must cover the filter fabric at all times.
- Site fencing must be free of large holes or damage that would allow access to restricted areas.

1.1 SITE INSPECTIONS

Site inspections will be conducted a minimum of once per month. An inspection of the landscaped areas must also be conducted following each major rain event. A "major rain event" is defined as six or more inches of rain in a 24-hour period as reported by the National Weather Service for Newnan or the Atlanta Airport. An Inspection Log is provided in Appendix A. Fill out an Inspection Log for each inspection. Completed forms will be kept in a 3-ring binder with the Newnan Lofts Plan. The binder will be kept in the main office.

Should any damage or other change be observed during the inspections, these will be recorded in the Inspection Log and brought to the attention of the Property Manager. The Property Manager will confirm what actions must be taken to return the landscaped areas to their original condition. Once complete, describe the actions taken on the Inspection Log and return the completed form to the 3-ring binder.

Maintenance personnel walk the grounds on a routine basis during performance of their regular duties. In the event damage or conditions are noted during these routine activities that warrant correction as described herein, maintenance personnel should note the condition and date on the inspection log and advise the Property Manager as if it was part of the routine monthly inspection so appropriate action may be taken.

1.1.1 INSPECTION OF LANDSCAPED AREAS

Landscaped areas include areas covered by grass and plants/trees. The landscaped areas must be neatly maintained, free from holes or damage/disturbance to the ground. The landscaped areas include all the green highlighted areas on the attached figure. These areas must be inspected to confirm that:

- No gardening or planting has occurred that was not performed or approved by the Property Manager;
- No evidence of digging (i.e., holes from animals or people, utility work) that was not performed or approved by the Property Manager;
- No damage/ruts from vehicles are present;
- There are no up-rooted plants; and
- There is no damage to filter fabric under the rock cover where present around trees. The filter fabric and rock covers are under the trees in the cross hatched areas on the attached figure.

If any of these deficiencies are observed, note in the Inspection Log and report to the Property Manager immediately. The deficiency must be corrected immediately, and the corrective action noted in the Inspection Log.

1.1.2 INSPECTION OF SITE STRUCTURES

Site structures include buildings, areas covered with concrete or pavement, sidewalks, parking areas, and curbing. Site structures must be free from damage, large cracks and holes. Concrete and asphalt pavement covered areas (including sidewalks and curbing) and areas covered in landscape fabric and stones must be inspected along their entire surface. Buildings must be inspected along the perimeter near the ground surface. Site structures, concrete surfaces and asphalt covered areas are shown as the gray features on the attached figure. These areas must be inspected for:

- Potholes;
- Washout/erosion at the ground surface;
- Damage to structures that expose underlying soil; and
- Large cracks (at least one half inch wide or wide enough for a writing pen to fit inside the crack) or holes that expose underlying soil.

If any of these deficiencies are observed, note in the Inspection Log and report to the Property Manager immediately. The deficiency must be corrected immediately, and the corrective action noted in the Inspection Log.

1.1.3 INSPECTION OF SITE FENCING

Site fencing must not be damaged or have any large holes that would allow trespassers easy access. Fence gates must be locked at all times except for temporary access by maintenance personnel. The approximate locations of fences are shown on the attached figure and are typically along the border of the green highlighted areas. Site fencing must be inspected for:

- Damage to locks, fencing, and gates;
- Evidence of unauthorized entry (trespassers);
- Plant growth obstructing the fence and gates; and
- Large holes (large enough for any person, including a small child, to fit through) at the bottom of fencing (caused by animals, people, or erosion).

If any of these deficiencies are observed, note in the Inspection Log and report to the Property Manager immediately. The deficiency must be corrected immediately, and the corrective action noted in the Inspection Log.

1.2 PROHIBITIONS/RESTRICTED ACTIVITIES

Residents (and other personnel) at the Newnan Lofts Complex are not allowed to:

- Plant gardens;
- Dig in any landscaped area; and
- Go into the restricted areas secured by fencing.

If any of these activities are observed, note in the Inspection Log and report to the Property Manager immediately. The resident must also be notified in writing that the activity is a violation of the terms of their lease and a copy of the written notice must be included in the Inspection Log Binder.

2.0 UTILITY WORK

Before any utility (electric, gas, cable, sewer, sprinklers, etc.) work in performed that will disturb soils, ensure the utility workers are given a copy of the Site Maintenance Plan and follow the procedures therein.

3.0 SITE MAINTENANCE PLAN

The Site Maintenance Plan is included to ensure all soil covers remain undisturbed; or, if disturbed for maintenance purposes (e.g., utility repair), any excavated soils are properly handled. The Site Maintenance Plan is provided in Appendix B. The Site Maintenance Plan must be applied to any soils excavated on Site, except those soils that were replaced as shown on the figure in Appendix B. Whenever a Site Maintenance Plan activity occurs, note the activity in the Inspection Log.

4.0 ANNUAL REPORT AND CERTIFICATION

The information in the Inspection Log is to be summarized by the Property Manager or the Owner for inclusion in the Annual Report and Certification that must be submitted annually to the Georgia EPD for Newnan Lofts. The Annual Certification must confirm that the use of Newnan Lofts as an apartment complex has not changed and that the soil cover and fencing remain intact. If no significant maintenance activities have been required, the Annual Report and Certification must state:

- All Newnan Lofts soil cover and fencing remained secure and intact during the past twelve months.

If any maintenance activities, improvements, or repairs occurred and were recorded in the Inspection Log, these must be included in the Annual Report and Certification stating the following:

- The following actions were taken throughout the year to maintain the grounds at the Newnan Lofts Apartments complex:

    - (List the activities from the Inspection Log completed throughout the year here, examples are below):
    - Repaired a hole in the Site fencing near the pond using additional chain link material;
    - Repaired a hole in the asphalt in the parking lot using cold patch;
    - Filled three holes in grassy areas across the complex using a bag of soil from a local gardening store; and
    - Replaced filter fabric under rocks near trees in the parking lot using the same type of filter fabric originally used.

FIGURES

figure 1

SITE PLAN
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(008)GN-WA001 AUG 15/2013

APPENDICES

APPENDIX A

SITE INSPECTION LOG

APPENDIX A

NEWNAN LOFTS
SITE INSPECTION LOG

Inspections will be conducted a minimum of once per month and following each major rain event (6.5 inches of rain in a 24-hour period).

Should there be any damage or other issues observed during the inspections, these will be recorded in this Site Inspection Log and brought to the attention of the Property Manager for correction. The Property Manager will address and correct the issues and describe the actions taken in this Site Inspection Log and return the completed form to the 3-ring binder.

Date of Inspection: _____ Name: _____

✓	Inspected Areas	Does the item require repair or attention? (Include notes if needed)	Location of item requiring repair	Date of correction & action taken
LANDSCAPED AREAS				
	Evidence of digging (i.e., holes from animals or people, utility work, or gardening)			
	Damage/ruts from vehicles			
	Up-rooted plants			
	Damage to filter fabric under the rock cover where present around trees			

See next page

APPENDIX A

NEWNAN LOFTS
SITE INSPECTION LOG

✓	Inspected Areas	Does the item require repair or attention? (Include notes if needed)	Location of item requiring repair	Date of correction & Action Taken
SITE STRUCTURES				
	Potholes			
	Washout/erosion at the ground surface			
	Damage to structures that expose underlying soil			
	Large cracks or holes that expose underlying soil			
SITE FENCING				
	Damage to locks, fencing, and gates			
	Evidence of unauthorized entry (trespassers)			
	Plant growth obstructing the fence and gates			
	Large holes at the bottom of fencing (caused by animals, people, or erosion)			

Additional Notes:

APPENDIX B

SITE MAINTENANCE PLAN

APPENDIX B

NEWNAN LOFTS
SITE MAINTENANCE PLAN

The purpose of the Site Maintenance Plan is to ensure all dirt/soils remain undisturbed, or, if disturbed for maintenance purposes (e.g., utility repair), the soils are properly handled.

1.0 SOIL HANDLING

1.1 FILLING HOLES

If a hole is observed in the landscaped areas, the hole must be filled with clean soil. Obtain clean soil from a source approved by the Property Manager (bag of soil from a gardening/home improvement store or from a landscaping company) and fill the hole level with the surrounding landscape. If in a grassy area, top the area with grass seed and hay/mulch.

1.2 GENERAL EXCAVATIONS

Soils that must be excavated in any area on the Newnan Lofts Property (except for those soils deeper than 2 feet between the iron fence and the building marked as orange hatched areas on the attached figure) will be handled using the following steps:

1. Place plastic sheeting on the ground near the excavation in 2 separate areas.
2. Mark each sheeting area as such:
   A. Top Soil; and
   B. Deep Soil
3. Excavate the first 6 inches of dirt and place onto Sheet A (Top Soil).
4. Excavate below the first 6 inches until the depth required for the excavation and place onto Sheet B (Deep Soil).
5. Cover excavated soils with plastic sheeting and secure (if not completing excavation in the same day).
6. When work is complete in the excavation, place the Sheet B (Deep Soil) dirt in the hole first.
7. After the Sheet B dirt is in the hole, place the Sheet A (Top Soil) dirt in the hole.
8. Top the filled hole with grass seed and place mulch or hay over the filled hole.
9. Discard sheeting in roll-off or dumpster.

APPENDIX B

NEWNAN LOFTS
SITE MAINTENANCE PLAN

1.3 EXCAVATIONS DEEPER THAN 2 FEET BETWEEN THE IRON FENCE AND THE BUILDING (MARKED AS ORANGE HATCHED AREAS ON THE ATTACHED FIGURE)

Soils that must be excavated between the iron fence (on the brick wall) and the apartment building will be handled using the following steps:

1. Place plastic sheeting on the ground near the excavation in 3 separate areas.
2. Mark each sheeting area as such:
   A. Top Soil;
   B. Clean Soil; and
   C. Deep Soil.
3. Excavate the first 6 inches of dirt and place onto Sheet A (Top Soil).
4. Excavate below the first 6 inches, down to 2 feet deep and place soil onto Sheet B (Clean Soil).
5. Excavate below 2 feet until the depth required for the excavation and place onto Sheet C (Deep Soil).
6. Cover excavated soils with plastic sheeting and secure (if not completing excavation in the same day).
7. When work is complete in the excavation, place the Sheet C (Deep Soil) dirt in the hole first.
8. After Sheet C dirt is in the hole, place the sheet B (Clean Soil) dirt in the hole next.
9. After Sheet B dirt is in the hole, place the Sheet A (Top Soil) dirt in the hole.
10. Top the filled hole with grass seed and place mulch or hay over the filled hole.
11. Discard sheeting in roll-off or dumpster.

APPENDIX B

NEWNAN LOFTS
SITE MAINTENANCE PLAN

2.0 FENCE REPAIR

If a hole is observed in the fence fabric (chain links), bring to the attention of the Property Manager. The Property Manager will confirm what actions must be taken to repair the fence. Upon approval, the fence fabric may be repaired by maintenance personnel by tying chain links back together with metal wire or by hiring a fencing contractor.

3.0 ASPHALT REPAIR

If holes are observed in the asphalt or on sidewalks, bring to the Property Manager's attention. Repair the asphalt or sidewalk upon approval of the Property Manager using asphalt cold patch, cement, or a contractor.

APPENDIX B

SITE MAINTENANCE PLAN
NEWNAN LOFTS APARTMENT COMPLEX (FORMER BIBB MILL)
Newnan, Georgia

51315-00(008)GN-WA002 AUG 15/2013

APPENDIX F

CRA BILLING AND SERVICES (FEBRUARY 1, 2013 - JULY 31, 2013)

Project Detail Report

BST

Time: 17:25:15
Date: 8/14/2013

From Per End Date: 1/27/2013 **Thru Per End Date:** 7/28/2013

Summary Selection: Project Code
Level: Project **Resp Type:** **Co Code:** **Use Maps:** N
Map Code: **Map Level:** **A/S Values:** S

Companies: None
Currency: US
Chargeable: Active Chargeables
Project: Novare Group Holdings- Newnan Lofts

Phase	Task	Co	Org	Class	Actv	Doc Nbr	Trn Date	PED	OT	Hrs/Qty	Rate/Mult	Amount
Rate Schedule Labor												
411768 - Alexander Yarbrough												
****	****	40	4011	361	****	411768	1/30/2013	2/3/2013		0.50	95.0000	47.50
****	****	40	4011	361	****	411768	2/6/2013	2/10/2013		0.50	95.0000	47.50
****	****	40	4011	361	****	411768	2/11/2013	2/17/2013		3.50	95.0000	332.50
****	****	40	4011	361	****	411768	2/12/2013	2/17/2013		3.00	95.0000	285.00
****	****	40	4011	361	****	411768	2/13/2013	2/17/2013		1.00	95.0000	95.00
****	****	40	4011	361	****	411768	3/6/2013	3/10/2013		1.00	95.0000	95.00
****	****	40	4011	361	****	411768	3/7/2013	3/10/2013		2.50	95.0000	237.50
****	****	40	4011	361	****	411768	4/30/2013	5/5/2013		0.50	95.0000	47.50
****	****	40	4011	361	****	411768	5/1/2013	5/5/2013		7.00	95.0000	665.00
****	****	40	4011	361	****	411768	7/10/2013	7/14/2013		3.50	95.0000	332.50
****	****	40	4011	361	****	411768	7/22/2013	7/28/2013		0.50	95.0000	47.50
****	****	40	4011	361	****	411768	7/24/2013	7/28/2013		3.50	95.0000	332.50
****	****	40	4011	361	****	411768	7/25/2013	7/28/2013		10.00	95.0000	950.00
****	****	40	4011	361	****	411768	7/26/2013	7/28/2013		6.50	95.0000	617.50
411804 - Benjamin Welch												
****	****	40	4011	745	****	411804	3/20/2013	3/24/2013		4.00	70.3000	281.20
****	****	40	4011	745	****	411804	3/21/2013	3/24/2013		10.00	70.3000	703.00
****	****	40	4011	745	****	411804	3/20/2013	6/2/2013		-4.00	70.3000	-281.20
****	****	40	4011	745	****	411804	3/21/2013	6/2/2013		-10.00	70.3000	-703.00
411450 - Bonnie J. Walker												
****	****	40	4017	906	****	411450	5/23/2013	5/26/2013		1.00	55.1000	55.10
403336 - Brian L. Leroy												
****	****	40	4011	310	****	403336	1/30/2013	2/3/2013		2.00	156.7500	313.50
****	****	40	4011	310	****	403336	2/4/2013	2/10/2013		1.00	156.7500	156.75
****	****	40	4011	310	****	403336	2/5/2013	2/10/2013		1.00	156.7500	156.75
****	****	40	4011	310	****	403336	2/7/2013	2/10/2013		1.00	156.7500	156.75

Project Detail Report

BST

Time: 17:25:15
Date: 8/14/2013

Phase	Task	Co	Org	Class	Actv	Doc Nbr	Trn Date	PED	OT	Hrs/Qty	Rate/Mult	Amount
Rate Schedule Labor												
403336 - Brian L. Leroy												
****	****	40	4011	310	****	403336	2/11/2013	2/17/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	403336	2/14/2013	2/17/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	403336	2/15/2013	2/17/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	403336	3/7/2013	3/10/2013		2.00	156.7500	313.50
****	****	40	4011	310	****	403336	3/12/2013	3/17/2013		3.00	156.7500	470.25
****	****	40	4011	310	****	403336	3/13/2013	3/17/2013		4.00	156.7500	627.00
****	****	40	4011	310	****	403336	3/14/2013	3/17/2013		3.00	156.7500	470.25
****	****	40	4011	310	****	403336	3/15/2013	3/17/2013		2.50	156.7500	391.88
****	****	40	4011	310	****	403336	3/17/2013	3/17/2013		2.00	156.7500	313.50
****	****	40	4011	310	****	403336	1/30/2013	3/3/2013		2.00	132.0500	264.10
****	****	40	4011	310	****	403336	1/30/2013	3/3/2013		-2.00	156.7500	-313.50
****	****	40	4011	310	****	403336	2/4/2013	3/3/2013		1.00	132.0500	132.05
****	****	40	4011	310	****	403336	2/4/2013	3/3/2013		-1.00	156.7500	-156.75
****	****	40	4011	310	****	403336	2/5/2013	3/3/2013		1.00	132.0500	132.05
****	****	40	4011	310	****	403336	2/5/2013	3/3/2013		-1.00	156.7500	-156.75
****	****	40	4011	310	****	403336	2/7/2013	3/3/2013		1.00	132.0500	132.05
****	****	40	4011	310	****	403336	2/7/2013	3/3/2013		-1.00	156.7500	-156.75
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****	****	40	4011	310	****	403336	2/14/2013	3/3/2013		0.50	132.0500	66.03
****	****	40	4011	310	****	403336	2/14/2013	3/3/2013		-0.50	156.7500	-78.38
****	****	40	4011	310	****	403336	2/15/2013	3/3/2013		0.50	132.0500	66.03
****	****	40	4011	310	****	403336	2/15/2013	3/3/2013		-0.50	156.7500	-78.38
****	****	40	4011	310	****	403336	3/18/2013	3/24/2013		3.00	132.0500	396.15
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****	****	40	4011	310	****	403336	3/20/2013	3/24/2013		2.00	132.0500	264.10
****	****	40	4011	310	****	403336	4/2/2013	4/7/2013		2.00	132.0500	264.10
****	****	40	4011	310	****	403336	4/3/2013	4/7/2013		3.00	132.0500	396.15
****	****	40	4011	310	****	403336	4/4/2013	4/7/2013		4.00	132.0500	528.20
****	****	40	4011	310	****	403336	4/5/2013	4/7/2013		4.00	132.0500	528.20
****	****	40	4011	310	****	403336	4/26/2013	4/28/2013		2.00	132.0500	264.10
****	****	40	4011	310	****	403336	4/29/2013	5/5/2013		1.00	132.0500	132.05
****	****	40	4011	310	****	403336	4/30/2013	5/5/2013		0.50	132.0500	66.03
****	****	40	4011	310	****	403336	5/1/2013	5/5/2013		6.00	132.0500	792.30
****	****	40	4011	310	****	403336	5/2/2013	5/5/2013		2.00	132.0500	264.10
****	****	40	4011	310	****	403336	7/3/2013	7/7/2013		2.50	132.0500	330.13

BST

Project Detail Report

Time: 17:25:15
Date: 8/14/2013

Phase	Task	Co	Org	Class	Actv	Doc Nbr	Trn Date	PED	OT	Hrs/Qty	Rate/Mult	Amount
Rate Schedule Labor												
403336 - Brian L. Leroy												
****	****	40	4011	310	****	403336	7/10/2013	7/14/2013		1.00	132.0500	132.05
****	****	40	4011	310	****	403336	7/11/2013	7/14/2013		1.00	132.0500	132.05
****	****	40	4011	310	****	403336	7/12/2013	7/14/2013		0.50	132.0500	66.03
****	****	40	4011	310	****	403336	7/22/2013	7/28/2013		1.00	132.0500	132.05
411822 - Christina Majerowicz												
****	****	40	4014	879	DG08	411822	2/7/2013	2/10/2013		1.50	100.7000	151.05
****	****	40	4014	879	DG01	411822	2/11/2013	2/17/2013		1.00	100.7000	100.70
****	****	40	4014	879	DG08	411822	3/13/2013	3/17/2013		0.50	100.7000	50.35
****	****	40	4014	879	DG08	411822	5/6/2013	5/12/2013		1.50	100.7000	151.05
****	****	40	4014	879	DG08	411822	6/28/2013	6/30/2013		2.00	100.7000	201.40
****	****	40	4014	879	DG08	411822	7/5/2013	7/7/2013		1.00	100.7000	100.70
410565 - Christine Mayo												
****	****	40	4011	532	****	410565	2/4/2013	2/10/2013		1.00	112.1000	112.10
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****	****	40	4011	532	****	410565	2/6/2013	2/10/2013		5.75	112.1000	644.58
****	****	40	4011	532	****	410565	2/7/2013	2/10/2013		2.00	112.1000	224.20
****	****	40	4011	532	****	410565	2/12/2013	2/17/2013		0.50	112.1000	56.05
****	****	40	4011	532	****	410565	2/13/2013	2/17/2013		1.00	112.1000	112.10
****	****	40	4011	532	****	410565	2/14/2013	2/17/2013		1.00	112.1000	112.10
****	****	40	4011	532	****	410565	2/15/2013	2/17/2013		0.50	112.1000	56.05
410572 - Craig Gabriel												
****	****	40	4014	875	DG02	410572	5/17/2013	5/19/2013		0.50	142.5000	71.25
405022 - David J. Brytowski												
****	****	40	4011	740	****	405022	7/24/2013	7/28/2013		1.00	80.7500	80.75
412004 - David Panepento												
****	****	40	4014	877	DG02	412004	5/16/2013	5/19/2013		1.00	119.7000	119.70
****	****	40	4014	877	DG02	412004	5/17/2013	5/19/2013		1.00	119.7000	119.70
411604 - Elizabeth Hamilton												
****	****	40	4011	550	****	411604	2/6/2013	2/10/2013		1.00	90.2500	90.25
****	****	40	4011	550	****	411604	2/7/2013	2/10/2013		3.00	90.2500	270.75
****	****	40	4011	550	****	411604	2/8/2013	2/10/2013		1.00	90.2500	90.25
410770 - James Yung												
****	****	40	4011	530	****	410770	4/22/2013	4/28/2013		1.50	121.6000	182.40
****	****	40	4011	530	****	410770	4/23/2013	4/28/2013		1.00	121.6000	121.60
412052 - Jennifer Giang												
****	****	40	4017	906	****	412052	2/15/2013	2/17/2013		1.00	55.1000	55.10

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Rate Schedule Labor												
412037 - Julie Wisniewski												
****	****	40	4017	906	CG13	412037	5/22/2013	5/26/2013		0.50	55.1000	27.55
411455 - Kandice Ferris												
****	****	40	4011	350	****	411455	1/30/2013	2/3/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	2/5/2013	2/10/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	2/6/2013	2/10/2013		4.00	106.4000	425.60
****	****	40	4011	350	****	411455	2/7/2013	2/10/2013		8.50	106.4000	904.40
****	****	40	4011	350	****	411455	2/9/2013	2/10/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	2/11/2013	2/17/2013		7.50	106.4000	798.00
****	****	40	4011	350	****	411455	2/12/2013	2/17/2013		2.00	106.4000	212.80
****	****	40	4011	350	****	411455	2/13/2013	2/17/2013		4.50	106.4000	478.80
****	****	40	4011	350	****	411455	2/15/2013	2/17/2013		3.50	106.4000	372.40
****	****	40	4011	350	****	411455	3/5/2013	3/10/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	3/6/2013	3/10/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	3/8/2013	3/10/2013		2.50	106.4000	266.00
****	****	40	4011	350	****	411455	3/12/2013	3/17/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	3/13/2013	3/17/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	4/5/2013	4/7/2013		2.00	106.4000	212.80
****	****	40	4011	350	****	411455	4/8/2013	4/14/2013		4.00	106.4000	425.60
****	****	40	4011	350	****	411455	4/9/2013	4/14/2013		3.00	106.4000	319.20
****	****	40	4011	350	****	411455	4/10/2013	4/14/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	4/15/2013	4/21/2013		1.50	106.4000	159.60
****	****	40	4011	350	****	411455	4/22/2013	4/28/2013		2.50	106.4000	266.00
****	****	40	4011	350	****	411455	4/23/2013	4/28/2013		6.00	106.4000	638.40
****	****	40	4011	350	****	411455	4/24/2013	4/28/2013		4.50	106.4000	478.80
****	****	40	4011	350	****	411455	4/25/2013	4/28/2013		6.50	106.4000	691.60
****	****	40	4011	350	****	411455	4/26/2013	4/28/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	5/6/2013	5/12/2013		9.00	106.4000	957.60
****	****	40	4011	350	****	411455	5/7/2013	5/12/2013		5.00	106.4000	532.00
****	****	40	4011	350	****	411455	5/13/2013	5/19/2013		1.50	106.4000	159.60
****	****	40	4011	350	****	411455	5/14/2013	5/19/2013		3.00	106.4000	319.20
****	****	40	4011	350	****	411455	5/15/2013	5/19/2013		2.00	106.4000	212.80
****	****	40	4011	350	****	411455	5/16/2013	5/19/2013		3.50	106.4000	372.40
****	****	40	4011	350	****	411455	5/17/2013	5/19/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	5/20/2013	5/26/2013		1.50	106.4000	159.60
****	****	40	4011	350	****	411455	5/23/2013	5/26/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	5/28/2013	6/2/2013		1.00	106.4000	106.40

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Rate Schedule Labor												
411455 - Kandice Ferris												
****	****	40	4011	350	****	411455	6/4/2013	6/9/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	6/5/2013	6/9/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	6/28/2013	6/30/2013		5.00	106.4000	532.00
****	****	40	4011	350	****	411455	7/1/2013	7/7/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	7/2/2013	7/7/2013		0.50	106.4000	53.20
****	****	40	4011	350	****	411455	7/3/2013	7/7/2013		5.00	106.4000	532.00
****	****	40	4011	350	****	411455	7/5/2013	7/7/2013		1.00	106.4000	106.40
****	****	40	4011	350	****	411455	7/8/2013	7/14/2013		2.50	106.4000	266.00
****	****	40	4011	350	****	411455	7/9/2013	7/14/2013		3.00	106.4000	319.20
****	****	40	4011	350	****	411455	7/23/2013	7/28/2013		1.50	106.4000	159.60
****	****	40	4011	350	****	411455	7/24/2013	7/28/2013		2.50	106.4000	266.00
****	****	40	4011	350	****	411455	7/25/2013	7/28/2013		1.50	106.4000	159.60
****	****	40	4011	350	****	411455	7/26/2013	7/28/2013		1.50	106.4000	159.60
410564 - Lynn Jancetic												
****	****	40	4017	906	****	410564	5/2/2013	5/5/2013		0.50	55.1000	27.55
200745 - Melissa A. Jerome												
****	****	20	2011	805	****	200745	2/8/2013	2/10/2013		0.50	95.0000	47.50
****	****	20	2011	805	****	200745	4/23/2013	4/28/2013		0.50	95.0000	47.50
****	****	20	2011	805	****	200745	5/20/2013	5/26/2013		0.50	95.0000	47.50
****	****	20	2011	805	****	200745	7/9/2013	7/14/2013		1.00	95.0000	95.00
****	****	20	2011	805	****	200745	7/11/2013	7/14/2013		1.00	95.0000	95.00
410922 - Melissa Belding												
****	****	40	4017	906	****	410922	1/22/2013	1/27/2013		0.50	55.1000	27.55
****	****	40	4017	906	****	410922	3/25/2013	3/31/2013		0.50	55.1000	27.55
****	****	40	4017	906	****	410922	6/14/2013	6/16/2013		0.50	55.1000	27.55
410321 - Patricia Butler												
****	****	40	4017	906	****	410321	1/21/2013	1/27/2013		0.50	55.1000	27.55
402587 - Patricia Tetley												
****	****	40	4011	810	****	402587	2/13/2013	2/17/2013		0.50	85.5000	42.75
400429 - Paul T. McMahon												
****	****	40	4011	620	****	400429	2/11/2013	2/17/2013		0.50	132.0500	66.03
****	****	40	4011	620	CG14	400429	4/29/2013	5/5/2013		0.50	132.0500	66.03
****	****	40	4011	620	CG14	400429	5/16/2013	5/19/2013		0.50	132.0500	66.03
****	****	40	4011	620	CG14	400429	5/17/2013	5/19/2013		1.00	132.0500	132.05
****	****	40	4011	620	CG02	400429	7/11/2013	7/14/2013		1.00	132.0500	132.05
****	****	40	4011	620	CG02	400429	7/22/2013	7/28/2013		0.50	132.0500	66.03

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Rate Schedule Labor												
210242 - Peter A McLean												
****	****	20	2011	815	****	210242	4/15/2013	4/21/2013		0.50	74.1000	37.05
****	****	20	2011	815	****	210242	4/22/2013	4/28/2013		0.50	74.1000	37.05
****	****	20	2011	815	****	210242	4/23/2013	4/28/2013		0.50	74.1000	37.05
****	****	20	2011	815	****	210242	4/24/2013	4/28/2013		0.50	74.1000	37.05
****	****	20	2011	815	****	210242	4/25/2013	4/28/2013		1.00	74.1000	74.10
****	****	20	2011	815	****	210242	5/6/2013	5/12/2013		0.50	74.1000	37.05
400336 - Robert T. Pyle												
****	****	40	4011	310	****	400336	1/30/2013	2/3/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	2/6/2013	2/10/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	2/7/2013	2/10/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	2/11/2013	2/17/2013		1.50	156.7500	235.13
****	****	40	4011	310	****	400336	2/12/2013	2/17/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	2/13/2013	2/17/2013		1.00	156.7500	156.75
****	****	40	4011	310	****	400336	3/5/2013	3/10/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	3/7/2013	3/10/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	3/19/2013	3/24/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	4/5/2013	4/7/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	4/15/2013	4/21/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	4/16/2013	4/21/2013		2.00	156.7500	313.50
****	****	40	4011	310	****	400336	4/18/2013	4/21/2013		4.00	156.7500	627.00
****	****	40	4011	310	****	400336	4/22/2013	4/28/2013		0.75	156.7500	117.56
****	****	40	4011	310	****	400336	4/23/2013	4/28/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	4/24/2013	4/28/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	4/25/2013	4/28/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	4/30/2013	5/5/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	5/3/2013	5/5/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	5/7/2013	5/12/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	5/8/2013	5/12/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	5/14/2013	5/19/2013		3.50	156.7500	548.63
****	****	40	4011	310	****	400336	5/16/2013	5/19/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	5/17/2013	5/19/2013		3.50	156.7500	548.63
****	****	40	4011	310	****	400336	5/18/2013	5/19/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	5/30/2013	6/2/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	6/3/2013	6/9/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	6/4/2013	6/9/2013		0.75	156.7500	117.56
****	****	40	4011	310	****	400336	6/5/2013	6/9/2013		4.00	156.7500	627.00

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Rate Schedule Labor												
400336 - Robert T. Pyle												
****	****	40	4011	310	****	400336	6/7/2013	6/9/2013		0.75	156.7500	117.56
****	****	40	4011	310	****	400336	6/13/2013	6/16/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	6/20/2013	6/23/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	6/26/2013	6/30/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	7/1/2013	7/7/2013		0.75	156.7500	117.56
****	****	40	4011	310	****	400336	7/3/2013	7/7/2013		1.50	156.7500	235.13
****	****	40	4011	310	****	400336	7/5/2013	7/7/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	7/8/2013	7/14/2013		2.00	156.7500	313.50
****	****	40	4011	310	****	400336	7/9/2013	7/14/2013		1.00	156.7500	156.75
****	****	40	4011	310	****	400336	7/10/2013	7/14/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	7/15/2013	7/21/2013		0.50	156.7500	78.38
****	****	40	4011	310	****	400336	7/24/2013	7/28/2013		0.75	156.7500	117.56
****	****	40	4011	310	****	400336	7/25/2013	7/28/2013		0.25	156.7500	39.19
****	****	40	4011	310	****	400336	7/26/2013	7/28/2013		0.25	156.7500	39.19
200771 - Roger B. Banderob												
****	****	20	2011	809	****	200771	3/12/2013	3/17/2013		0.50	85.5000	42.75
****	****	20	2011	809	****	200771	3/13/2013	3/17/2013		3.00	85.5000	256.50
****	****	20	2011	809	****	200771	3/14/2013	3/17/2013		0.50	85.5000	42.75
****	****	20	2011	809	****	200771	3/19/2013	3/24/2013		0.50	85.5000	42.75
****	****	20	2011	809	****	200771	3/20/2013	3/24/2013		0.50	85.5000	42.75
****	****	20	2011	809	****	200771	3/21/2013	3/24/2013		0.50	85.5000	42.75
****	****	20	2011	809	****	200771	3/22/2013	3/24/2013		1.00	85.5000	85.50
****	****	20	2011	809	****	200771	4/5/2013	4/7/2013		3.00	85.5000	256.50
****	****	20	2011	809	****	200771	4/8/2013	4/14/2013		1.00	85.5000	85.50
****	****	20	2011	809	****	200771	5/7/2013	5/12/2013		1.50	85.5000	128.25
410482 - Steven Grace												
****	****	40	4011	732	****	410482	7/24/2013	7/28/2013		2.50	95.0000	237.50
****	****	40	4011	732	F	410482	7/25/2013	7/28/2013		11.50	95.0000	1,092.50
****	****	40	4011	732	F	410482	7/26/2013	7/28/2013		7.50	95.0000	712.50
410070 - Steven Jones												
****	****	40	4011	500	****	410070	2/6/2013	2/10/2013		0.50	164.3500	82.18
****	****	40	4011	500	****	410070	6/5/2013	6/9/2013		1.00	164.3500	164.35
****	****	40	4011	500	****	410070	7/3/2013	7/7/2013		1.50	164.3500	246.53
411799 - Terri Hollister-Bay												
****	****	40	4017	906	****	411799	2/11/2013	2/17/2013		3.00	55.1000	165.30
****	****	40	4017	906	****	411799	2/13/2013	2/17/2013		0.50	55.1000	27.55

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Rate Schedule Labor												
411799 - Terri Hollister-Bay												
****	****	40	4017	906	****	411799	2/14/2013	2/17/2013		4.00	55.1000	220.40
****	****	40	4017	906	****	411799	4/25/2013	4/28/2013		0.50	55.1000	27.55
****	****	40	4017	906	****	411799	4/26/2013	4/28/2013		0.50	55.1000	27.55
****	****	40	4017	906	****	411799	5/7/2013	5/12/2013		2.00	55.1000	110.20
****	****	40	4017	906	****	411799	5/15/2013	5/19/2013		1.00	55.1000	55.10
****	****	40	4017	906	****	411799	5/16/2013	5/19/2013		0.75	55.1000	41.33
****	****	40	4017	906	****	411799	5/20/2013	5/26/2013		0.50	55.1000	27.55
****	****	40	4017	906	****	411799	6/7/2013	6/9/2013		0.50	55.1000	27.55
200542 - Tina H. Lepage												
****	****	20	2011	732	****	200542	5/23/2013	5/26/2013		0.50	95.0000	47.50
411916 - Trent Tucker												
****	****	40	4011	824	****	411916	2/13/2013	2/17/2013		0.50	63.6500	31.83
****	****	40	4011	824	****	411916	2/13/2013	2/17/2013		0.50	63.6500	31.83
205100 - Wesley J. Dyck												
****	****	20	2011	520	****	205100	2/6/2013	2/10/2013		0.50	132.0500	66.03
****	****	20	2011	520	****	205100	3/6/2013	3/10/2013		1.00	132.0500	132.05
****	****	20	2011	520	****	205100	3/8/2013	3/10/2013		5.50	132.0500	726.28
****	****	20	2011	520	****	205100	3/13/2013	3/17/2013		1.00	132.0500	132.05
****	****	20	2011	520	****	205100	3/21/2013	3/24/2013		1.00	132.0500	132.05
****	****	20	2011	520	****	205100	3/22/2013	3/24/2013		1.00	132.0500	132.05
****	****	20	2011	520	****	205100	4/4/2013	4/7/2013		2.50	132.0500	330.13
****	****	20	2011	520	****	205100	4/5/2013	4/7/2013		0.50	132.0500	66.03
****	****	20	2011	520	****	205100	4/8/2013	4/14/2013		4.00	132.0500	528.20
****	****	20	2011	520	****	205100	4/23/2013	4/28/2013		0.50	132.0500	66.03
****	****	20	2011	520	****	205100	4/25/2013	4/28/2013		1.50	132.0500	198.08
****	****	20	2011	520	****	205100	7/3/2013	7/7/2013		1.50	132.0500	198.08
							Total			395.00		44,788.73
Multiplier Labor												
411804 - Benjamin Welch												
99	****	40	4011	745	****	411804	3/21/2013	3/24/2013		5.00	0.0000	0.00
99	****	40	4011	745	****	411804	3/20/2013	6/2/2013		4.00	0.0000	0.00
99	****	40	4011	745	****	411804	3/21/2013	6/2/2013		10.00	0.0000	0.00
403336 - Brian L. Leroy												
99	****	40	4011	310	****	403336	3/18/2013	3/24/2013		1.00	0.0000	0.00

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Multiplier Labor												
403336 - Brian L. Leroy												
99	****	40	4011	310	****	403336	3/21/2013	3/24/2013		1.00	0.0000	0.00
99	****	40	4011	310	****	403336	3/22/2013	3/24/2013		1.00	0.0000	0.00
99	****	40	4011	310	****	403336	3/23/2013	3/24/2013		2.00	0.0000	0.00
410770 - James Yung												
99	****	40	4011	530	****	410770	4/23/2013	4/28/2013		1.00	0.0000	0.00
400336 - Robert T. Pyle												
98	****	40	4011	110	****	400336	3/7/2013	3/10/2013		0.50	0.0000	0.00
98	****	40	4011	110	****	400336	4/8/2013	4/14/2013		1.00	0.0000	0.00
98	****	40	4011	110	****	400336	4/23/2013	4/28/2013		0.50	0.0000	0.00
411799 - Terri Hollister-Bay												
99	****	40	4017	906	****	411799	2/6/2013	2/10/2013		0.50	0.0000	0.00
99	****	40	4017	906	****	411799	2/7/2013	2/10/2013		0.50	0.0000	0.00
99	****	40	4017	906	****	411799	3/8/2013	3/10/2013		0.50	0.0000	0.00
99	****	40	4017	906	****	411799	6/10/2013	6/16/2013		0.50	0.0000	0.00
99	****	40	4017	906	****	411799	7/12/2013	7/14/2013		0.50	0.0000	0.00
							Total			29.50		0.00
Regular Expenses												
40AIRIN - Air Inc.												
****	****	40	4011	******	520	400837168	4/30/2013	6/30/2013			1.0000	133.56
411768 - Alexander Yarbrough												
****	****	40	4011	******	520	40EMP74992	5/1/2013	5/12/2013			1.0000	7.93
****	****	40	4011	******	301	40EMP74992	5/1/2013	5/12/2013			1.0000	7.54
****	****	40	4011	******	****	ER00005241	7/25/2013	7/28/2013			1.0000	7.30
****	****	40	4011	******	****	ER00005241	7/25/2013	7/28/2013			1.0000	10.00
****	****	40	4011	******	****	ER00005241	7/25/2013	7/28/2013			1.0000	13.88
40ANAENV - Analytical Environmental Svcs Inc.												
****	****	40	4011	******	530	400832697	5/8/2013	5/26/2013			1.0000	188.00
403336 - Brian L. Leroy												
99	****	40	4011	******	301	40EMP67600	2/7/2013	2/10/2013			0.0000	0.00
****	****	40	4011	******	301	40EMP74986	5/1/2013	5/12/2013			1.0000	7.20
****	****	40	4011	******	301	40EMP74986	5/1/2013	5/12/2013			1.0000	5.24
405022 - David J. Brytowski												
****	****	40	4011	******	****	ER00004946	7/24/2013	7/28/2013			0.0000	0.00

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Phase	Task	Co	Org	Class	Actv	Doc Nbr	Trn Date	PED	OT	Hrs/Qty	Rate/Mult	Amount
Regular Expenses												
40FEXEDI - Federal Express ERS												
****	****	40	4011	******	510	400819195	2/11/2003	2/24/2013			1.0000	12.20
****	****	40	4011	******	510	400820890	2/22/2013	4/7/2013			1.0000	10.23
411455 - Kandice Ferris												
****	****	40	4011	******	316	40EMP67976	2/15/2013	2/17/2013			1.0000	5.00
400336 - Robert T. Pyle												
****	****	40	4011	******	316	40EMP77096	6/5/2013	6/9/2013			1.0000	5.00
410482 - Steven Grace												
****	****	40	4011	******	****	ER00004973	7/25/2013	7/28/2013			1.0000	23.97
****	****	40	4011	******	****	ER00004973	7/25/2013	7/28/2013			1.0000	9.19
****	****	40	4011	******	****	ER00004973	7/24/2013	7/28/2013			1.0000	9.22
							Total					455.46
Unit Pricing (Rate Schedule)												
405022 - David J. Brytowski												
****	****	40	4011	MI	****	ER00004946	7/24/2013	7/28/2013		30.00	0.0000	16.95
							Total					16.95
Unit Pricing (Percentages)												
UCV - Company Vehicle Expense												
****	****	40	4017	U0194	D330	307516	5/1/2013	5/26/2013		0.50	1.0000	40.00
****	****	40	4017	CMI	320	307518	5/1/2013	5/26/2013		147.00	1.0000	39.69
****	****	40	4017	U0194	D330	315715	7/25/2013	7/28/2013		2.00	1.0000	160.00
****	****	40	4017	CMI	320	315717	7/25/2013	7/28/2013		300.00	1.0000	81.00
UFS - Field Supplies												
****	****	40	4017	U001	FS520	307365	5/1/2013	5/19/2013		11.50	1.0000	11.50
UIT - Information Technology												
****	****	40	4014	ITU	401	296836	1/27/2013	1/27/2013		10.50	1.0000	42.00
****	****	40	4014	ITU	401	299977	2/24/2013	2/24/2013		89.50	1.0000	358.00
****	****	40	4014	ITU	401	303394	3/31/2013	3/31/2013		65.50	1.0000	262.00
****	****	40	4014	ITU	401	306516	4/28/2013	4/28/2013		75.75	1.0000	303.00
****	****	40	4014	ITU	401	309908	5/26/2013	5/26/2013		69.25	1.0000	277.00
****	****	40	4014	ITU	401	303394	3/31/2013	6/2/2013		-14.00	1.0000	-56.00

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Phase	Task	Co	Org	Class	Actv	Doc Nbr	Trn Date	PED	OT	Hrs/Qty	Rate/Mult	Amount
Unit Pricing (Percentages)												
UIT - Information Technology												
****	****	40	4014	ITU	401	313242	6/30/2013	6/30/2013		20.00	1.0000	80.00
99	****	40	4014	ITU	401	303394	3/31/2013	6/2/2013		14.00	0.0000	0.00
****	****	40	4014	ITU	401	316093	7/28/2013	7/28/2013		88.00	1.0000	352.00
CP - Photocopies												
****	****	40	4017	UCOPY	410	295361	1/24/2013	1/27/2013		122.00	1.0000	17.08
****	****	40	4017	UCOPY	410	298273	2/20/2013	2/24/2013		977.00	1.0000	136.78
****	****	40	4017	UCOPYC	410	298273	2/20/2013	2/24/2013		3.00	1.0000	1.50
****	****	40	4017	UCOPYC	410	298364	2/21/2013	2/24/2013		140.00	1.0000	70.00
****	****	40	4017	UCOPY	410	301776	3/25/2013	3/31/2013		30.00	1.0000	4.20
****	****	20	2017	CCOPY	410	170972	5/22/2013	5/26/2013		9.00	1.0000	1.30
****	****	20	2017	CCOPYC	410	170972	5/22/2013	5/26/2013		12.00	1.0000	6.17
****	****	40	4017	UCOPY	410	308500	5/23/2013	5/26/2013		174.00	1.0000	24.36
****	****	40	4017	UCOPY	410	312043	6/25/2013	6/30/2013		88.00	1.0000	12.32
****	****	40	4017	UCOPY	410	314882	7/24/2013	7/28/2013		90.00	1.0000	12.60
400336 - Robert T. Pyle												
****	****	40	4011	PMI	321	305362	4/18/2013	4/21/2013		120.00	1.0000	67.80
****	****	40	4011	PMI	321	308713	5/14/2013	5/19/2013		240.00	1.0000	135.60
****	****	40	4011	PMI	321	311313	6/5/2013	6/9/2013		50.00	1.0000	28.25
UFE - Unit Pricing Field Equipment												
****	****	40	4017	U0149D	520	307362	5/1/2013	5/19/2013		0.50	1.0000	15.00
							Total					2,483.15
Report Total												47,744.29

END OF REPORT