

Solutia Inc.

702 Clydesdale Avenue Anniston, Alabama 36201 USA

+1.256.231.8400 phone +1.256.231.8553 fax www.solutia.com

October 28, 2011

Ms. Pamela J. Langston Scully, P.E. Remedial Project Manager Superfund Remedial Branch USEPA – Region IV 61 Forsyth Street, SW Atlanta, Georgia 30303

Re:

Utility Casing Installation Remedial Measures Completion Report

Anniston PCB Site, Anniston, Alabama

Dear Ms. Scully:

Solutia Inc. and Monsanto Company (acting on behalf of Pharmacia Corporation), collectively referred to as P/S, are submitting the above-referenced report to describe remedial measures (RMs) performed to address polychlorinated biphenyl (PCB)-impacted soils encountered as part of the installation of utility casings in the Interstate 20 (I-20) Right-of Way (ROW). The utility casings will accommodate two forcemain pipelines (one water and one sewer) that the Oxford Water Works and Sewer Board (OWWSB) plans to install at a later date. The locations in which the utility casings were installed correspond to the Alabama Department of Transportation (ALDOT) Bridge Expansion Project Over Snow Creek, in the City of Oxford, Calhoun County, Alabama [ALDOT Project No. IM-STPAAF-BRF-I020(333) & ST-008-021-004].

The RMs were completed in general accordance with the April 19, 2011 "I-20 Snow Creek Bridge Expansion Support Workplan – Addendum No. 1" that was approved by USEPA in correspondence dated April 27, 2011.

Please contact me at 256-231-8404 if you have any questions regarding this report or the utility casing RMs.

Sincerely,

E. Gayle Macolly

Manager, Remedial Projects

Enclosure

cc: Mr. Buddy Cox (ALDOT)

Mr. Jeffery Kitchens (ADEM)

Mr. G. Douglas Jones, Esq.

Mr. Thomas Dahl

UTILITY CASING INSTALLATION REMEDIAL MEASURES COMPLETION **REPORT**

Construction Support for ALDOT Expansion Of the I-20 Bridge System Over Snow Creek

Oxford, Alabama

ROUX ASSOCIATES, INC.

Environmental Consulting & Management



ROUX 1222 Forest Parkway, Suite 190, West Deptford, New Jersey 08066

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1.0 INTRODUCTION AND BACKGROUND

Roux Associates, Inc. has prepared this Utility Casings Installation Remedial Measures Completion Report (Report) on behalf of Solutia Inc. and Monsanto Company (acting on behalf of Pharmacia Corporation), collectively referred to as P/S, to describe remedial measures (RMs) performed to address polychlorinated biphenyl (PCB)-impacted soils encountered as part of the installation of utility casings in the Interstate 20 (I-20) Right-of Way (ROW). The utility casings will accommodate two forcemain pipelines (one water and one sewer) that the Oxford Water Works and Sewer Board (OWWSB) plans to install at a later date. The locations in which the utility casings were installed correspond to the Alabama Department of Transportation (ALDOT) Bridge Expansion Project Over Snow Creek, in the City of Oxford, Calhoun County, Alabama [ALDOT Project No. IM-STPAAF-BRF-I020(333) & ST-008-021-004].

The proposed ALDOT bridge expansion work includes driving of new bent pilings in the vicinity of an existing uncased sanitary sewerline and has the potential to adversely affect the integrity of this line. P/S, in conjunction with OWWSB and ALDOT, elected to install two new casings in order to provide alternate routing for the existing uncased sewerline and a proposed future waterline. The objectives of the RMs implemented at the Site were to mitigate potential human exposure to PCB-containing soil during construction activities and subsequent installation of the forcemains.

This Report is divided into four sections. The first Section is the introduction and background to this Report, and the other sections included are as follow:

- Section 2.0 Pre-Construction Activities;
- Section 3.0 Construction Activities; and
- Section 4.0 Future Access.

Supporting figures and appendices are included at the end of this Report.

1.1 Site Description

The utility casing installation area is located within the footprint of the ALDOT I-20 Snow Creek Bridge Expansion Project Area, and on small portions of both the City of Oxford's property and the Anniston Water Works and Sewer Board's (AWWSB) property. The utility casing installation area comprised approximately one-half acre. The project limits were primarily within the ALDOT ROW in a northerly-southerly direction perpendicular to I-20, extending approximately 45 feet onto AWWSB's property and approximately 25 feet onto the City of Oxford's property. The utility casing installation easterly-westerly project limits extended between stations 1595+25 and 1595+50 of the ALDOT I-20 Snow Creek Bridge Expansion Project Area. Oxford Lake Park and commercial areas are located to the north of the utility casing installation area, and Choccolocco Creek Wastewater Treatment Plant (CCWWTP) is located to the south. The Site lies completely within the Snow Creek/Choccolocco Creek floodplain. A Site Location Map is included as Figure 1, and Figure 2 shows the location of the utility casing installation in relation to the ALDOT I-20 Snow Creek Bridge Expansion Project.

1.2 Project Background

The property immediately surrounding the casing installation areas (ROW to ROW from Stations 1585+00 to 1609+00) are considered part of the ALDOT I-20 Bridge Expansion Project (see Figure 2). P/S are currently implementing RMs to address PCB-impacted soil to support ALDOT contractors; however, the ALDOT I-20 RMs are not the focus of this Report. The ALDOT I-20 Bridge Expansion RMs Completion Report will be submitted to the United States Environmental Protection Agency (USEPA) under separate cover after the completion of that project in 2013. The focus of this Report is the construction support, soil management, and utility casing installation activities, performed by P/S or their subcontractors on behalf of OWWSB, in order to facilitate the OWWSB's installation of a waterline and sewerline, at a later date.

1.3 Summary of Work

This project consists of support activities requested by the OWWSB for the installation of utility casings under I-20, to be utilized at a later date by the OWWSB for the installation of two forcemains. Trenchless construction methods (jack and bore) were selected for the utility casing installation in order to avoid penetration of the newly installed clean stone and soil cover

(installed by P/S to support the ALDOT I-20 Bridge Expansion). The USEPA-approved "I-20 Snow Creek Bridge Expansion Support Workplan – Addendum No. 1" describes the proposed construction support activities and is included as Appendix A. A copy of the USEPA approval letter is included as Appendix B. The construction support activities generally included:

- Soil characterization;
- Soil erosion and sedimentation control Best Management Practice (BMPs);
- Excavation of jacking and receiving pits;
- Utility casings installation; and
- Restoration.

These activities are described in further detail in the following sections. Photographs of the utility casings RM activities are included as Appendix C.

2.0 PRE-CONSTRUCTION ACTIVITIES

The following sections provide a description of Site activities that were completed in preparation for the utility casing installation.

2.1 Permits

The utility casing installation activities were performed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); therefore, a National Pollutant Discharge Elimination System (NPDES) general construction stormwater permit was not required by the Alabama Department of Environmental Management (ADEM) and a Notice of Registration was not required to be submitted to ADEM. However, in accordance with the provisions of the ADEM "Permit-by-Rule," a Site-specific Construction BMP Plan, Spill Prevention, Control and Countermeasures (SPCC) Plan, and Dust Control Plan (DCP) were prepared as part of Roux Associates' October 6, 2010 "Contract Documents – Construction Support for the ALDOT Expansion of the I-20 Bridge System over Snow Creek." These Plans were also followed during the utility casing installation activities. A copy of the Contract Documents is included as Appendix D (on CD).

The OWWSB submitted a "Permit Agreement for the Accommodation of Utility Facilities on Public ROW" (Permit Agreement) to ALDOT on January 18, 2011. The Permit Agreement requested ALDOT's approval to allow OWWSB to install two forcemains underneath the ALDOT I-20 ROW. Specifically, OWWSB requested to install one 30-inch diameter casing to be jacked and bored under the ALDOT ROW for a new waterline and one 24-inch diameter casing to be jacked and bored under the ALDOT ROW for a new sewerline. The actual waterline and sewerline will be installed by OWWSB or their subcontractor at a later date. ALDOT granted approval to install the utility casings forcemains in the ROW and under I-20 on March 18, 2011. Additionally, AWWSB granted an easement to OWWSB to allow for installation and maintenance of the utility casings/forecemains on AWWSB property. Copies of the Permit Agreement and the Easement Agreement are included in Appendices E and F, respectively.

2.2 Jacking and Receiving Pits Soil Characterization

A field screening and soil sampling event was completed by Genesis Project, Inc. (Genesis) on April 28, 2011 to characterize soils that would be generated as part of the proposed utility casing installation, including soils excavated from two receiving pits and one jacking pit. The sampling was performed in accordance with the "I-20 Snow Creek Bridge Expansion Support Workplan – Addendum No. 1" dated April 17, 2011 and approved by the USEPA on April 27, 2011, provided as Appendices A and B, respectively.

At each of the receiving pits (ten feet by ten feet each), located on the City of Oxford's property (north of I-20), a soil boring was advanced to a depth of ten feet below ground surface (bgs). Each of the borings was sampled at one-foot intervals to four feet bgs and two foot intervals from four to ten feet bgs and composited as one sample for analysis (two samples total). Four borings were installed to depths of ten feet bgs in the jacking pit (20 feet by 40 feet) on the AWWSB property (south of I-20). Each of the four borings was sampled at one-foot intervals to four feet bgs and two-foot intervals from four to ten feet bgs and composited as two samples for analyses (one composited sample from the south side borings and one composited sample from the north side borings). The samples were field screened for PCBs at 1 part per million (ppm) and 50 ppm using immunoassay techniques by USEPA Method 4020. Field screening results indicated PCB concentrations ranged from below 1 ppm to above 50 ppm, in both the receiving and jacking pits.

One soil sample collected from the receiving pit in the 8-foot to 10-foot interval resulted in a false positive during field screening; therefore, this sample was submitted to Test America Laboratories in Savannah, Georgia for further analysis of PCBs by USEPA Method 8082B. The total PCB result for this sample was determined by the laboratory to be 0.072 ppm, confirming the false positive field screening result.

Handling and disposal of these soils are further described in Sections 3.1 and 3.2 of this Report. The Soil Sampling Results Report for the receiving and jacking pit areas, prepared by Genesis with supporting Test America Laboratory Data, is included as Appendix G.

2.3 Mobilization

The Contractor (Taylor Corporation, Alabama contractor license #9625) mobilized to the Site in October 2010 to begin ALDOT I-20 Snow Creek Bridge Expansion RMs. The Contractor began the utility casings installation RMs on May 5, 2011. The boring and jacking subcontractor, Sloan Utility Contracting, Inc. (Sloan, Alabama contractor license #13813), mobilized to the Site on May 9, 2011. Prior to Sloan's mobilization to the Site, the Contractor completed several activities in preparation for the utility casing installation including:

- Verification of on-Site utilities within the work zone (Alabama one-call ticket #103080489);
- Set-up and operation of temporary construction utilities and facilities;
- Installation of decontamination areas:
- Surveying and layout;
- Set-up of staging and storage areas; and
- Installation of BMPs.

Temporary facilities and BMPs are discussed further in Sections 2.4 and 2.5, respectively.

2.4 Temporary Facilities

Temporary construction facilities were installed, monitored, and maintained by the Contractor throughout the utility casings installation RMs and included the following:

- Utilities, including phone and electric;
- Construction trailer:
- Sanitation facilities;
- Emergency response materials;
- Potable water;
- Site security measures;
- Traffic control signage;
- Equipment storage areas; and
- Equipment and personnel decontamination areas.

The temporary construction facilities were originally installed for the ALDOT I-20 Snow Creek Bridge Expansion Project, and some facilities will remain in place until the completion of that project in 2013.

2.5 Best Management Practices

BMPs implemented at the Site include soil erosion and sedimentation controls, spill prevention and countermeasures control, and dust control in accordance with the Construction BMP Plan, SPCC Plan, and DCP prepared as part of the Contract Documents (Appendix D). Soil erosion and sedimentation controls utilized at the Site generally included silt fencing, straw wattles, sediment filter bags, and stabilized construction entrances. Dust monitoring was performed during intrusive utility bore activities and soil load-out performed between May 5, 2011 and August 2, 2011. No exceedances of the DCP-specified action level of 1.5 milligrams per cubic meter were observed; however, construction roads were sprayed periodically to minimize nuisance dust. Dust monitoring was not performed during precipitation events. A copy of the dust monitoring data is included as Appendix H.

A soil stockpile management area for soils containing PCB concentrations >50 ppm was constructed prior to the excavation of impacted soils. The stockpile management area was located to the southwest of the jacking pit on the AWWSB property. The stockpile was underlain with 20-mil plastic sheeting and covered with 10-mil plastic sheeting when not in use to minimize runoff and dust generation. The stockpile was also surrounded with berms covered with plastic sheeting to limit runon and runoff. Straw wattles and silt fence were installed around the perimeter of the stockpile. Soils containing PCB concentrations between 1 ppm and 50 ppm were staged in lined, covered roll-off containers.

2.6 Health and Safety

Work was performed in accordance with the Site-Wide Health and Safety Plan (HASP), prepared for the Anniston PCB Site, and the Site-specific HASP prepared by the Contractor, as well as applicable Occupational Safety and Health Administration (OSHA), USEPA and United States Department of Transportation (USDOT) regulations. The Contractor provided a Site Health and Safety Officer, who remained on-Site at all times during the work. Daily tailgate health and safety meetings to discuss relevant topics were conducted before each work day started. The utility

casings installation RMs were completed with no OSHA-recordable health and safety incidents or property damage.

2.7 Surveying and Layout

An Alabama State-licensed land surveyor was retained to lay out the utility casings installation work prior to intrusive activities. As part of Site layout, the surveyor also located the existing subgrade utility lines and bridge bents in the area and provided staked locations for the excavation of the jacking and receiving pits. Figure 2 shows the location and layout of the utility casings installation project as well as the surrounding ALDOT I-20 Snow Creek Bridge Expansion Project Area.

3.0 CONSTRUCTION ACTIVITIES

The following sections describe the key construction activities that were completed as part of the utility casings installation including waste characterization/disposal, soil and water management, excavation, casings installation, backfill, Site restoration and as-built surveying.

3.1 Soil and Water Management

Throughout the utility casings installation RMs, PCB-containing soils were managed in accordance with the Construction BMP Plan included as part of the Contract Documents (Appendix D). Impacted soils were generally managed as follows:

- Excavated soils with PCB concentrations < 1 ppm were utilized as backfill in the boring and jacking pits, in accordance with the approved "I-20 Snow Creek Bridge Expansion Workplan – Addendum No. 1" (Appendix A).
- Excavated soils with PCB concentrations between 1 ppm and 50 ppm (non-hazardous) were staged in lined, covered roll-off containers in the designated soil management area.
 Approximately 68.18 tons of soils with PCB concentrations between 1 ppm and 50 ppm were generated. These soils were loaded, transported and disposed at Chemical Waste Management's Three Corners Landfill in Piedmont, Alabama.
- Soils with PCB concentrations > 50 ppm (hazardous), excavated from the jacking and receiving pits, were temporarily stockpiled and covered with plastic sheeting in the soil management area described in Section 2.5. Approximately 639.23 tons of soils with PCB concentrations >50 ppm were generated. These soils were loaded, transported and disposed at Chemical Waste Management's Toxic Substances Control Act (TSCA) approved facility in Emelle, Alabama.

Limited groundwater was encountered during the construction of the jacking and receiving pits at approximately 6 feet bgs. The water was managed in accordance with the Construction BMP Plan. Water removed from the excavations was filtered through sediment bags and discharged through straw wattles and silt fence before ultimately discharging to the ground surface. The

sediment bags were conservatively disposed with soils containing PCBs >50 ppm at Chemical Waste Management's TSCA-approved facility in Emelle, Alabama.

Copies of the non-hazardous and hazardous waste disposal manifests and related documents are included as Appendix I.

3.2 Excavation

Approximately 340 cubic yards of soil were excavated between May 5, 2011 and May 10, 2011 from the jacking pit, to allow for augering of soils and advancement of the utility casings. Soils in the jacking pit were pre-characterized by Genesis, as described in Section 2.2, and temporarily staged and disposed as discussed in Section 3.1.

Approximately 100 cubic yards of soil were excavated from the receiving pits on May 27, 2011. Soils in the receiving pits were pre-characterized by Genesis, as described in Section 2.2, and temporarily staged and disposed as discussed in Section 3.1.

Boring and jacking pit soils were characterized in one-foot intervals to four feet bgs and two-foot intervals from four feet to ten feet bgs, as discussed in Section 2.2. In order to prevent soil mixing and cross-contamination between intervals, when practicable, the excavation equipment was decontaminated before moving from a more-contaminated interval to a less-contaminated interval. Decontamination activities included the removal of residual soils adhering to the excavator bucket. If field conditions (e.g. soil sloughing) rendered separation of soil intervals impracticable, the soils were removed and conservatively disposed with soils containing PCBs >50 ppm (hazardous).

Jacking and receiving pit excavation activities were completed on May 27, 2011. Utility casing installation activities, including handling of drilling/auger spoils are described in Section 3.3.

3.3 Utility Casing Installation

Utility casing installation activities consisted of the mobilization, installation, and operation of horizontal bore equipment within the jacking pit. Sloan mobilized to the Site on May 9, 2011 and installed a trenchbox in the excavated area of the jacking pit to shore the remainder of the soils to be excavated. A total of two trenchboxes and the boring equipment were set on an

imported stone base at the bottom of the jacking pit. The 30-inch casing installation began on May 19, 2011 and was completed on May 27, 2011, with a total of approximately 309 linear feet of 30-inch casing installed. Boring equipment was reset by Sloan, within the jacking pit, for the installation of the 24-inch casing installation. The 24-inch casing installation began on June 7, 2011 and was completed on June 14, 2011, with a total of approximately 307 linear feet of 24-inch casings installed. Copies of the utility casings steel pipe documentation are included as Appendix J.

Approximately 60 cubic yards of bore/auger spoils were generated between May 19, 2011 and June 14, 2011 during the boring and jacking activities required to install the 30-inch and 24-inch utility casings. Spoils were removed from the jacking pit using an excavator fitted with a clamshell bucket. Spoils were transferred into plastic lined roll-offs staged in the soil management area. A total of twelve roll-offs each containing approximately five cubic yards of soil were generated during the boring and jacking activities. Spoils staged in the roll-off containers were characterized based on soil screening activities conducted by Genesis as described in Section 3.4.

3.4 Drilling Spoils Characterization

Soil sampling events were conducted on June 1, 2011 and June 7, 2011 to characterize drilling spoils generated during the advancement of the augers to facilitate installation of the utility casings. Approximately 30 cubic yards of drilling spoils were collected during the 30-inch casings installation and placed in six lined roll-off containers. Approximately 30 additional cubic yards of drilling spoils were collected during the 24-inch casings installation and placed in six lined roll-off containers. Three aliquots were collected from each of the twelve roll-off containers and composited into one sample per roll-off.

Of the twelve composited samples collected, two samples were identified as having questionable field screening results. One soil sample collected from container number six, which contained the spoils from the 24-inch bore, resulted in a false positive during field screening; therefore, this sample was submitted to Test America Laboratories in Savannah, Georgia for further analysis of PCBs by USEPA Method 8082B. The total PCB result for this sample was determined by the laboratory to be 0.58 ppm, confirming that the field screening result was a false positive. A

second soil sample collected from container number 3, which also contained spoils from the 24-inch bore, had a screening result of <1ppm PCBs, but was too similar to the comparative standard to confirm the result. Therefore, this sample was also submitted to Test America Laboratories in Savannah, Georgia for further analysis of PCBs by USEPA Method 8082B. The total PCB result for this sample was determined by the laboratory to be 0.38 ppm, confirming the actual concentration level of the sample to be <1 ppm PCBs.

The Soil Sampling Results Report for the drilling spoils, prepared by Genesis with supporting Test America Laboratory Data, is included as Appendix K.

3.5 Backfill, Grading and Clean Cover Installation

Prior to backfill, the bottoms and sidewalls of the jacking and receiving pits were lined with a non-woven geotextile marker. The purpose of the geotextile is to provide notification of the potential presence of PCB-impacted soils should future intrusive activities be required. Following geotextile marker installation, approximately 75 tons of washed No. 57 stone were installed in the jacking and receiving pits to provide a stable base at the appropriate grade for both the water and sewer forcemain casings and the bore equipment. Approximately 60 cubic yards of bore/auger spoils (PCB concentrations <1 ppm) were used to backfill the jacking and receiving pits. Approximately 300 cubic yards of additional clean fill were obtained from P/S′ Mars Hill borrow source in Anniston, Alabama to fill both the jacking and receiving pits to grade. Clean fill was placed in an initial 12-inch lift and compacted with a vibratory plate compactor. Subsequent lifts were placed 6 inches thick and compacted with the vibratory plate compactor, until finished grade was achieved (consistent with surrounding grade).

Imported stone documentation is included as Appendix L. Imported fill documentation is included as Appendix M.

3.6 As-Built Survey

The as-built survey is based on the original layout survey provided by an Alabama-licensed land surveyor with global positioning survey (GPS) point and field measurement overlays. The GPS coordinates were collected by the OWWSB, and field measurements were collected by the

OWWSB, Construction Manager and Contractor. The termini of the utility casings were surveyed by an Alabama-licensed land surveyor. The as-built survey includes the following:

- Key Site features including highways, ditches, drainage features, and water bodies;
- Vertical datum;
- Horizontal and vertical limits of excavation;
- Location and elevation of new utility casings; and
- Locations of permanent survey markers at each end of the utility casings.

A copy of the as-built survey is included as Appendix N.

3.7 Demobilization, Site Clean-up and Restoration Activities

The utility casings installation was completed in accordance with the following documents:

- "I-20 Snow Creek Bridge Expansion Workplan Addendum 1" and USEPA approval letter (Appendices A and B respectively);
- Relevant portions of the Contract Documents (Appendix D);
- "ALDOT Permit Agreement for the Accommodation of Utility Facilities on Public ROW" (Appendix E);
- "Waterline Easement and Sewerline Easement Agreement" (Appendix F); and
- Applicable ALDOT and USEPA regulations.

The OWWSB provided a letter indicating their acceptance of the utility casings installation, included as Appendix O.

Final Site restoration and clean-up activities were completed on October 28, 2011. These activities included seeding/stabilization of the boring and jacking pits and the removal of BMPs (silt fence and straw wattles).

4.0 FUTURE ACCESS

In accordance with the objectives discussed in Section 1.0, RMs were installed to mitigate potential human exposure to PCB-containing soil during future installation of the forecmains by OWWSB or their subcontractors. The casings can be accessed, through clean soils, from the north end (backfilled receiving pits on City of Oxford property) and/or the south end (backfilled jacking pit on AWWSB property). The as-built survey, included as Appendix N, shows the access locations which are marked with OWWSB signs.

If future maintenance or repairs are required, other than through the clean access points, ALDOT must be contacted prior to performing any intrusive activities as this portion of the utility casings exist within the ALDOT ROW. In addition, P/S must be contacted as the utility lines will exist under protective clean cover and be deed restricted due to the presence of PCB-containing soils at depth.

5.0 CERTIFICATION

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

Ter late it in g Tre latite its.
50 2 10/27/11
Signature and Date
5. Goyle Macolly
Name (printed)
Manager, Renedial Project
Title
Solutia Inc.

I certify that the Utility Casings Installation Remedial Measures have been completed in accordance with the approved I-20 Snow Creek Bridge Expansion Support Workplan – Addendum No. 1, or as otherwise described herein, and that the completed system is ready for operation in accordance with the intended design.

Signature and Date

Name (printed)

No. 27655

Alabama Professional Engineer License No. 27655

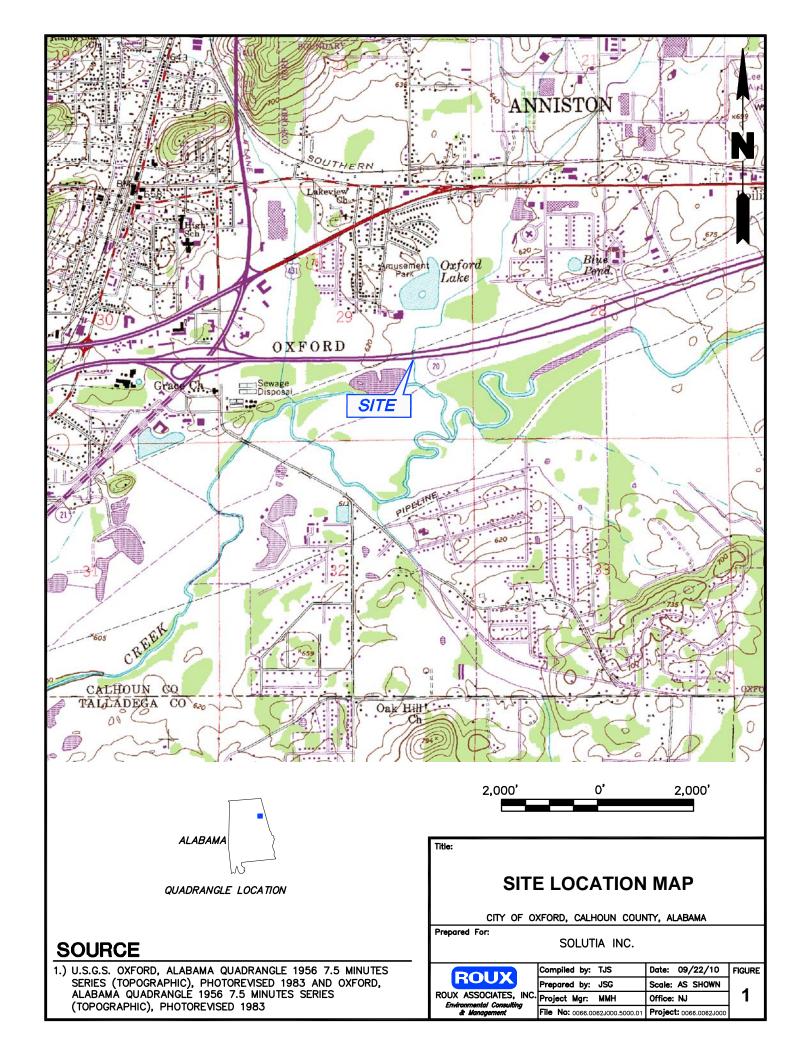
Office Manager & Practipal Engineer

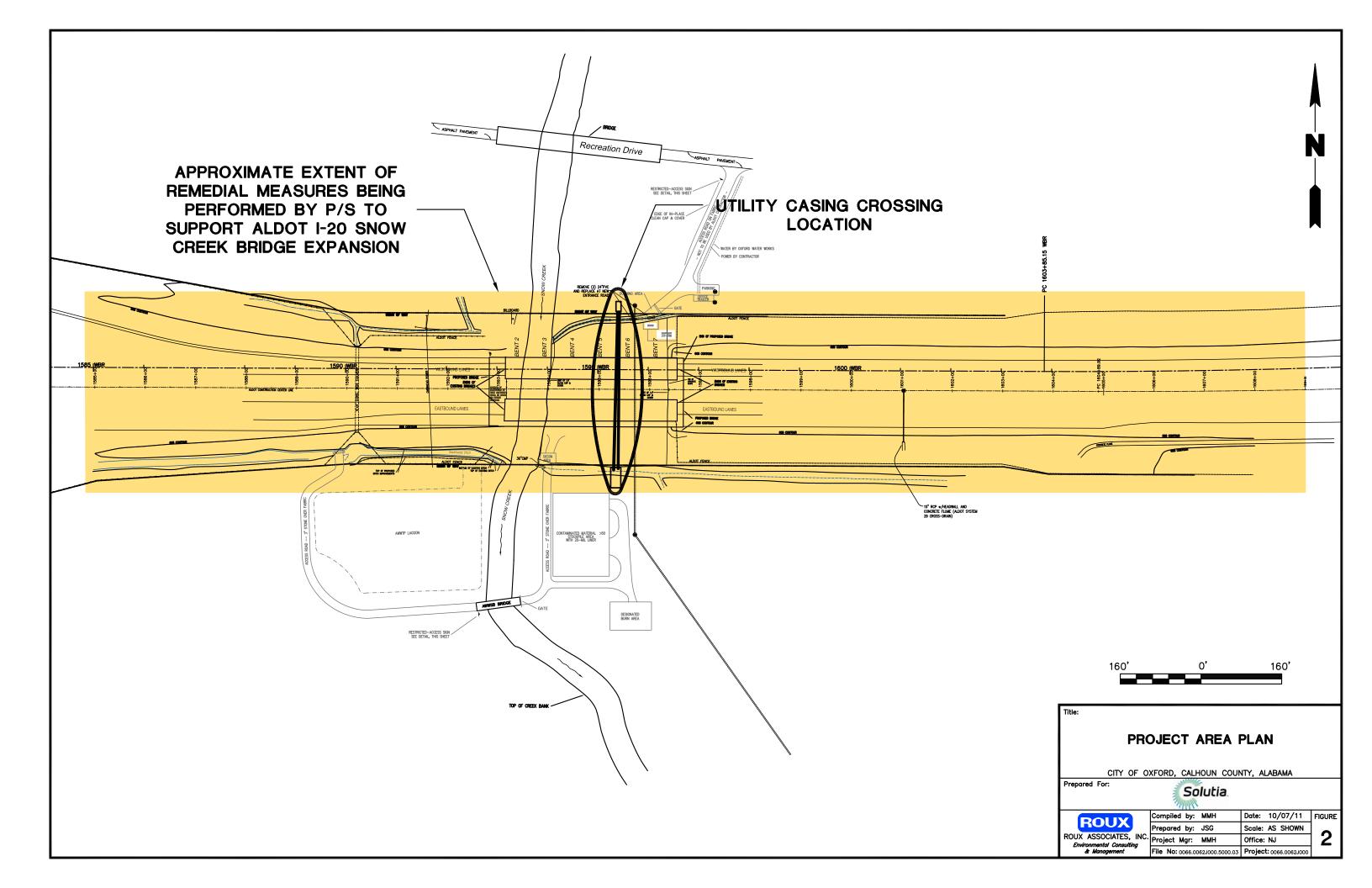
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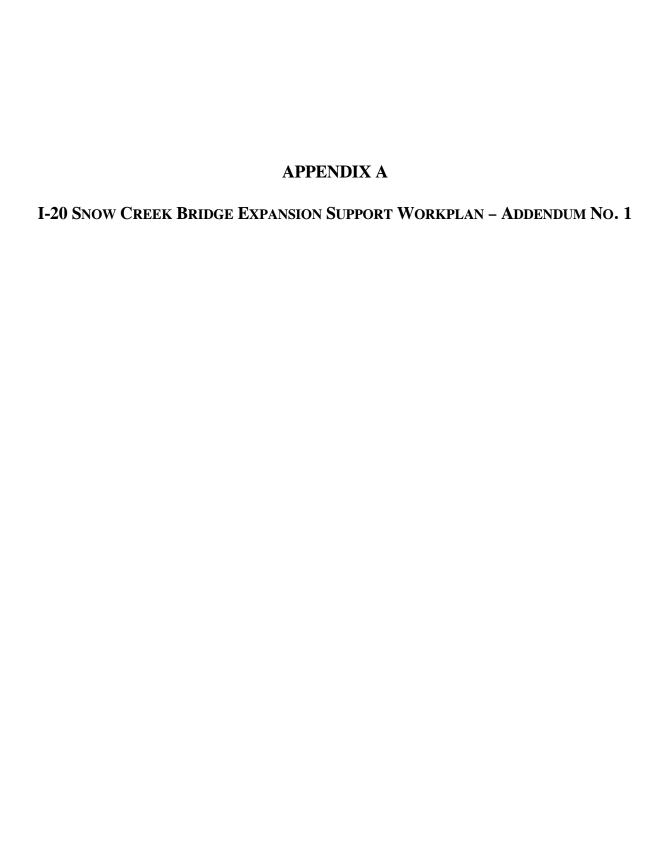
Roux Associate MC

Company

Company









April 19, 2011

Solutia Inc. 702 Clydesdale Avenue Anniston, AL 36201, USA

Tel. 256-231-8400 Fax 256-231-8553 www.**solutia**.com

Ms. Pamela J. Langston Scully, P.E. Remedial Project Manager Superfund Remedial Branch USEPA – Region IV 61 Forsyth Street, SW Atlanta, Georgia 30303

Re: I-20 Snow Creek Bridge Expansion Support Workplan – Addendum No. 1 Anniston PCB Site, Anniston, Alabama

Dear Ms. Scully:

The Oxford Water Works and Sewer Board (OWWSB) presently maintains a 20-inch diameter uncased sanitary sewer line under the footprint of the Interstate 20 (I-20) Snow Creek Bridge Expansion Area located approximately 14.1 feet east of new Bent No. 6 (between existing Bent Nos. 8 and 9). Expansion plans prepared by the OWWSB call for the future installation of two new outer steel casings (one 30inch diameter and one 24-inch diameter) to accommodate the future installation of new sanitary sewer and water force main lines (24-inch diameter and 18-inch diameter, respectively). The outer steel casings are to be located between new Bent Nos. 5 and 6, west of the existing sanitary sewer line, and will need to extend to 5 feet on either side of the Alabama Department of Transportation (ALDOT) rightof-way (ROW; 310 feet total). Solutia Inc. and Monsanto Company (acting on behalf of Pharmacia Corporation), collectively referred to as P/S, acting in conjunction with the OWWSB and ALDOT have elected to install the two new steel casings now in order to provide an alternate routing for the existing uncased sanitary sewer line in the event that proposed bridge construction work (i.e., driving of new bent pilings) adversely affects the integrity of that line. The new casings will be installed using trenchless construction methods (jack and bore) to avoid penetration of the clean soil and stone cover recently placed over the footprint of the existing bridge. All work will be performed by Taylor Corporation and its ALDOT-approved boring subcontractor (Sloan Utility Contracting, Inc.) under the direction of P/S and in accordance with established Construction Best Management Practices, Dust Control, Spill Prevention, Control and Countermeasure and Health and Safety Plans. A site plan showing the location and layout of the proposed encasement borings is attached, and the proposed scope of work is summarized below.

Pre-Mobilization

The proposed boring work will require the installation of one jacking pit (20-feet wide by 40-feet long by 10-feet deep) and two co-located receiving pits (10-feet wide by 10-feet long by 10-feet deep each). The jacking pit will be located on the south side of the ALDOT ROW on property owned by the Anniston Water Works and Sewer Board (AWWSB), and the two receiving pits will be located on the north side of the ALDOT ROW on property owned by the City of Oxford. Prior to the commencement of work, P/S will verify that OWWSB has obtained access approvals from the AWWSB and City of Oxford and has acquired necessary permit approvals from ALDOT to complete the proposed work.

Following the verification of receipt of required access and permit approvals, the following soil borings will be installed, sampled and analyzed for polychlorinated biphenyls (PCBs) at one and 50 parts per million (ppm) levels using immunoassay field screening methods (United States Environmental Protection Agency [USEPA] Method 4020) for waste characterization purposes:

- Jacking Pit Four equally-spaced borings will be advanced to a maximum of 10 feet below ground surface (bgs). Two borings will be composited resulting in two sets of samples which will subsequently be field screened at 1-foot intervals from ground surface to 4 feet bgs and at 2-foot intervals from 4 feet bgs to 10 feet bgs. The samples will be field screened until results indicate PCB concentrations less than 1 ppm or to a maximum of 10 feet bgs.
- Receiving Pits One boring will be advanced to a maximum of 10 feet bgs in each of the colocated receiving pits. The two borings, one from each receiving pit, will be composited resulting in one set of samples which will subsequently be field screened at 1-foot intervals from ground surface to 4 feet bgs and at 2-foot intervals from 4 feet bgs to 10 feet bgs. The samples will be field screened until results indicate PCB concentrations less than 1 ppm or to a maximum of 10 feet bgs.

Genesis Project, Inc. will perform all sampling and field screening work in accordance with the approved Anniston PCB Site Quality Assurance Project Plan and Health and Safety Plan (QAPP/HASP). All sample locations will be staked by a licensed land surveyor and confirmed and recorded by Global Positioning System (GPS).

Pit Construction

Silt fence will be placed around the perimeters of the proposed pits. The pits will be excavated to the described dimensions and completed using trench boxes and shoring. Waste characterization sampling results will be used to dictate soil disposal and reuse decisions as follow:

- Materials containing greater than 50 ppm PCBs will be transported and temporarily staged under cover at the existing Toxic Substances Control Act (TSCA)-waste designated stockpile for subsequent loading, transport and disposal at the Chemical Waste Management facility in Emelle, Alabama.
- Materials containing greater than 1 ppm PCBs but less than 50 ppm PCBs will be temporarily staged on and covered with plastic sheeting pending loading, transport and disposal at Waste Management's Three Corners Landfill in Piedmont, Alabama.
- Materials containing less that 1 ppm PCBs will be considered suitable for reuse as backfill in the
 pits.

If groundwater is encountered during construction of the pits, it will be extracted using portable pumps and treated to remove solids using sock filters or sediment filter bags prior to discharge through straw wattles and silt fence.

Jack and Bore

Sloan Utility Contracting, Inc. will complete the 30-inch diameter boring and casing installation first, followed by the 24-inch boring and casing installation. Steel casings will be provided by the OWWSB and/or P/S and will be capped and marked at the termini for future access. Spoils generated from each boring will be temporarily staged on and covered with plastic pending waste characterization sampling

to be performed by Genesis Project, Inc. The total volume of spoils expected to be generated is less than 100 cubic yards, and one five-point composite sample will be collected from the staged spoils using a hand auger and analyzed for PCBs at 1 ppm and 50 ppm concentration levels using immunoassay field screening methods (USEPA Method 4020). Waste characterization sampling results will be used to dictate soil disposal and reuse decisions as above, with the exception that materials containing greater than 1 ppm PCBs but less than 50 ppm PCBs will be placed in the approved disposal area in the northwest quadrant of the ALDOT I-20 project given that the spoils are sourced from within the ALDOT ROW.

Demobilization and Reporting

All equipment will be decontaminated using dry methods as appropriate following the completion of work. The pits will be backfilled with approved clean imported fill or temporarily stockpiled materials tested and confirmed to contain less than 1 ppm PCBs. All disturbed surfaces will be revegetated, and construction best management practices will be maintained until vegetation is established. A permanent survey pin or marker will be installed at each pit to facilitate easy access for future tie-ins. All sample results, waste manifests, daily construction reports and logs and other construction-related data and information recorded and collected during the implementation of the project will be compiled into a construction completion report for submittal to the USEPA within 60 days of completion of the proposed work. This report will include an as-built drawing showing the location of the new casings and clean, backfilled pits.

We would like to conduct the proposed pre-mobilization sampling the week of April 25, 2011 and anticipate that the actual boring work would begin in early to mid-May 2011 based on present ALDOT construction schedules. The total duration of intrusive activities associated with the boring work is expected to be 14 working days. We look forward to receiving your approval of this time critical project. In the interim, please do not hesitate to contact me at 256-231-8404 with any questions or comments that you may have regarding this matter.

Sincerely,

E. Gayle Macolly

Manager, Remedial Projects

attachments

cc: Mr. Buddy Cox (ALDOT)

Mr. Jeffery Kitchens (ADEM) Mr. G. Douglas Jones, Esq.

Mr. Thomas Dahl

APPENDIX B

INTERSTATE 20 BRIDGE EXPANSION SUPPORT WORKPLAN ADDENDUM NO.1 USEPA APPROVAL LETTER



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

April 27, 2011

4SFD-SRB

Ms. E. Gayle Macolly Manager, Remedial Projects Solutia, Inc. 702 Clydesdale Avenue Anniston, Alabama 36201-5328

SUBJ:

Interstate 20 Bridge Expansion Support Work Plan Addendum No. 1

Anniston PCB Site, Anniston, Alabama

EPA CERCLA ID

ALD000400123

EPA RCRA ID

ALD004019048

Dear Ms. Macolly:

The U.S. Environmental Protection Agency (EPA) has reviewed the addendum dated April 19, 2011, submitted by Solutia Inc. and Monsanto Company (acting on behalf of Pharmacia Corporation), summarizing the proposed sampling and construction activities associated with installing two new casings for the Oxford Water and Sewer Board through the Interstate 20 Snow Creek Bridge Expansion Area. The purpose of this letter is to approve the plan with the following comments:

- The sampling plan for spoils from the jack and bore operation may need to be adjusted if PCB contaminated soils reach the depth of the boring; and
- Dry equipment decontamination methods may need to be adjusted if the decontamination does not satisfy oversight personnel.

This work will be done as part of Solutia's response obligations under the Partial Consent Decree ("PCD"), entered by the United States District Court for the Northern District of Alabama on August 4, 2003, the Administrative Order on Consent for Removal Action ("Removal Order"), Exhibit C to the PCD, and the Non-Time Critical Removal Agreement ("NTC Removal Agreement"), Exhibit G to the PCD, for the Anniston PCB Site. Solutia may commence such work, subject to EPA oversight.

If you have any questions, please contact me at (404)562-8935.

Sincerely,

Pamela J. Langston Scully, P.E.

Remedial Project Manager Superfund Remedial Branch

cc: Ms. Julie Peshkin, Monsanto

Mr. G. Douglas Jones, Esq.

Mr. Thomas Dahl

Mr. Bertrand Thomas, TA

Mr. David Baker, CAG

Mr. William Weinischke, USDOJ

APPENDIX C

PHOTOGRAPHS



Photo 1: Bedding stone in place in jacking pit looking north toward I-20.



Photo 2: Boring equipment set in jacking pit looking north toward I-20.



Photo 3: Casing advancement toward receiving pit.

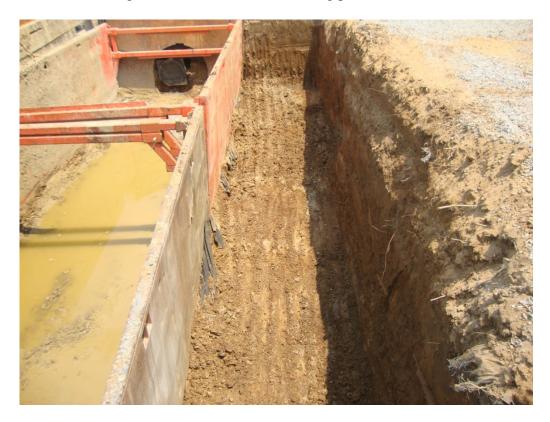


Photo 4: Preparation of receiving pit for 30" casing bore.



Photo 5: Boring equipment breakthrough in receiving pit.



Photo 6: Jacking pit backfilling looking north.



Photo 7: Jacking pit backfilled to grade looking north.

APPENDIX D

CONTRACT DOCUMENTS – CONSTRUCTION SUPPORT FOR ALDOT EXPANSION OF THE I-20 BRIDGE SYSTEM OVER SNOW CREEK (ON CD)

APPENDIX E

ALABAMA DEPARTMENT OF TRANSPORTATION PERMIT AGREEMENT FOR THE ACCOMODATION OF UTILITY FACILITIES ON PUBLIC RIGHT-OF-WAY

ALABAMA DEPARTMENT OF TRANSPORTATION Permit Agreement for the Accommodation of Utility Facilities on Public Right-of-Way

	Project Number:
	Permit No. 4-2-584U
	P.E.
	R.O.W.
	Utilities
	Construction
•	Maintenance Section 08-IN-0020 MR-001-C
	Location of Accommodation: Milepost 185.87 to
	33°36.296' 85°49.488'
THIS AGREEMENT is entered into this	
	tion acting by and through its Transportation Director hereinafter
	VATER AND SEWER BOARD a Utility hereinafter
referred to as the APPLICANT.	VALER AND DEWER DONRY a Clinity neremaner
referred to as the AFFLICANT.	WITNESSETH
	WITHESSEIN
WHEREAS the ADDITIONAL designs to	have its facilities accommodated as sublicities.
	have its facilities accommodated on public highway right-of-way in
CALHOUN	County, Alabama, said project or maintenance section being
designated as	and consisting approximately of the following:
	-ZO R.O.W. FOR A NEW WATER MAIN
ONE Z4" JACK AND BURE UNDER I	ZO ROW FOR A NEW SEWER MAIN
	; and
WHEREAS, the STATE hereby grants to	the APPLICANT approval to cross or locate its facilities on the

public right-of-way at the location and in the manner hereinafter set forth:

NOW, THEREFORE, it is agreed by and between the parties hereto as follows:

- The APPLICANT will install its facilities on public right-of-way in accordance with plans and specifications of the APPLICANT as approved by the STATE which plans and specifications are hereby made a part hereof by reference.
- In the installation of facilities and performing work under this agreement, the APPLICANT will conform to the provisions of the latest edition of the Alabama Department of Transportation Utility Manual, which manual is of record in the Department of Transportation and is hereby a part hereof by reference.
- The national Manual on Uniform Traffic Control Devices, latest edition, is hereby made a part hereof by reference and will be conformed to as the provisions thereof are applicable to such work. Such Manual is of record in the Alabama Department of Transportation at the execution of this Agreement.
- The Clean Water Act, 1987 and the Alabama Nonpoint Source Management Program, 1989 are hereby made a part hereof by reference and will be conformed to by the APPLICANT as the provisions thereof are applicable hereto.

The APPLICANT will conform to the regulations of the Environmental Protection Agency (EPA) and of the Alabama Department of Environmental Management (ADEM), latest edition, for both installation and maintenance of such facilities.

If hazardous materials, wastes, substances, or as otherwise defined by Code of Alabama § 6-5-332.1 (a)(2) (1993 Repl. Vol.) are encountered in the execution of this Agreement it will be the responsibility of the APPLICANT to notify the proper agency responsible for said hazardous materials and to comply with any and all environmental regulations as established by the Environmental Protection Agency (EPA), Alabama Department of Environmental Management (ADEM), and of the Occupational Safety and Health Administration (OSHA) in the proper disposition of the hazardous materials encountered.

- 6. The APPLICANT will file with the STATE an acceptable certified check or bond in the penal amount of \$50,000 FLA-359250 to guarantee the faithful performance of this permit contract in its entirety. Upon satisfactory completion and acceptance of all work provided for in this permit contract, the check or bond, as applicable, will be returned to the APPLICANT; otherwise, the proceeds from the check, or any amount received by the STATE as a result of the bond, will be applied to complete and fulfill the permit contract terms.
- 7. To the fullest extent permitted by law, the APPLICANT shall defend, indemnify, and hold harmless the State of Alabama, the Alabama Department of Transportation, and its agents, servants, employees and/or facilities from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the APPLICANT, anyone directly or indirectly employed by the APPLICANT or anyone for whose acts APPLICANT may be liable.

The term "hold harmless" includes the obligation of the APPLICANT to pay damages awarded against and legally recoverable from the State of Alabama, or the Alabama Department of Transportation, or its officers, agents, servants, and/or employees in both individual and official capacities whose acts or omissions that were the basis of the liability were performed within the course and scope of their employment.

- 8. Reimbursement for future relocations of the APPLICANT'S facilities will be in accordance with State law in effect at the time such relocations are made.
- 9. The APPLICANT will be obligated for the payment of damages occasioned to private property, public utilities or the general public, caused by the legal liability (in accordance with Alabama and/or Federal law) of the APPLICANT, its agents, servants, employees or facilities.
- 10. The STATE in executing this Agreement does not in any way assume the responsibility for the maintenance of the facilities of the APPLICANT, nor the responsibility for any damage to the facilities caused by third parties.
- 11. The APPLICANT will have a copy of this Agreement on the project site at all times while said work is being performed.
- 12. Nothing contained in this Permit Agreement, nor the issuance or receipt thereof, shall be construed to alter or affect the title of the STATE to the public right-of-way nor to increase, decrease or modify in any way the rights of the APPLICANT provided by law with respect to the construction, operation or maintenance of its facilities on the public right-of-way.
- 13. The installation of the facilities and related work covered by this Agreement shall be completed within one year from the date shown on this Agreement, otherwise this Agreement becomes null and void. Once work is begun the APPLICANT shall pursue the work continuously and diligently until completion.
- 14. The APPLICANT will perform or cause to be performed the work applied for in this permit contract and will restore the highway and all right-of-way in the work area in as good condition as the same was prior to the work and will maintain the accomplished work and highway work area in a condition satisfactory to the Alabama Department of Transportation for a period of one year from acceptance by the Department of the completion of work applied for by APPLICANT.
- 15. The Applicant must provide a copy of the Notice of Registration (NOR) Received issued by ADEM upon receipt of the applicant's Notice of Registration. This will assure compliance with Phase II of stormwater construction requirements. In the event a NOR is not required, Applicant must submit to ALDOT a Best Management Practices (BMP) plan to control sediment run-off.

Form MB-01 Revised October 2007

	itation or any other enforcement document by ADEM/EPA for all be the responsibility of the applicant to bring all BMPs into that may be issued to ALDOT by ADEM/EPA.
17. The APPLICANT stipulates that the s	pecific use of these facilities located upon public right-of-way
APPLICANT further stipulates that should this speci will notify the STATE immediately of the change.	fic use change at any time in the future that the APPLICANT
	have caused this Agreement to be executed by their respective ed, to be effective on the day and year first above stated.
WITNESS:	OXFORD WATER AND SEWER BOARD Legal Name of Applicant By: Manne Line & G.M.
	Signature and Title WAYNE LIVINGSTON Typed or Printed Name
	600 Barry St. Address
	OXFORD, AL. 36203
RECOMMENDED FOR APPROVAL:	256-831-5618 Telephone Number
District Manager & Date 2/1/2011	
Di√ision Engineer & Date	ALABAMA DEPARTMENT OF TRANSPORTATION ACTING BY AND THROUGH ITS TRANSPORTATION DIRECTOR
	By: Maintenance Engineer / Division Engineer
	Date: 3.18.2011



OLD REPUBLIC SURETY COMPANY P O BOX 4668 WINTER PARK, FL 32793-4668

CONTINUATION CERTIFICATE

 BOND NUMBER
 GOND DESCRIPTION
 BOND AMOUNT
 EFFECTIVE DATE
 EXPIRATION DATE

 FLA- 359250
 RIGHT OF WAY
 50,000
 6/18/2010
 6/18/2011

PRINCIPAL

OXFORD WATER WORKS & SEWER BOARD P.O. BOX 3663 OXFORD, AL 36203

OBLIGE

ALABAMA HWY DEPT P O BOX 8008 MONTGOMERY, AL 36110

ORIGINAL FOR BOND RENEWAL

THIS BOND CONTINUES IN FORCE TO THE ABOVE EXPIRATION DATE CONDITIONED AND PROVIDED THAT THE LOSSES OR RECOVERIES ON IT AND ANY AND ALL ENDORSEMENTS SHALL NEVER EXCEED THE PENALTY SET FORTH IN THE BOND AND WHETHER THE LOSSES OR RECOVERIES ARE WITHIN THE FIRST AND/OR SUBSEQUENT OR WITHIN ANY EXTENSION OR RENEWAL PERIOD, PRESENT, PAST OR FUTURE. ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

SIGNED AND DATED THIS TWENTY FOURTH DAY OF MAY, 2010

92-0164 INSURANCE PLANNING SERV'S INC 103 EAST THIRTEENTH STREET ANNISTON, AL 36201



OLD REPUBLIC SURETY COMPANY

SURETY

Kenneth D. Bates - Underwriting Manage

16C 22054 (8/94)

Southland Pipe & Supply Co., Inc.

P. O. Box 1628 Bessemer, AL 35020



GENERAL CERTIFICATION CARBON STEEL CASING PIPE

DATE: 1/21/2011

JOB NAME: 1-20 INTERSTATE BORE, CALHOUN COUNTY, ALABAMA

CONTRACTOR: TAYLOR CORPORATION

ENGINEER:

CUSTOMER: FERGUSON WATERWORKS-NORTHPORT

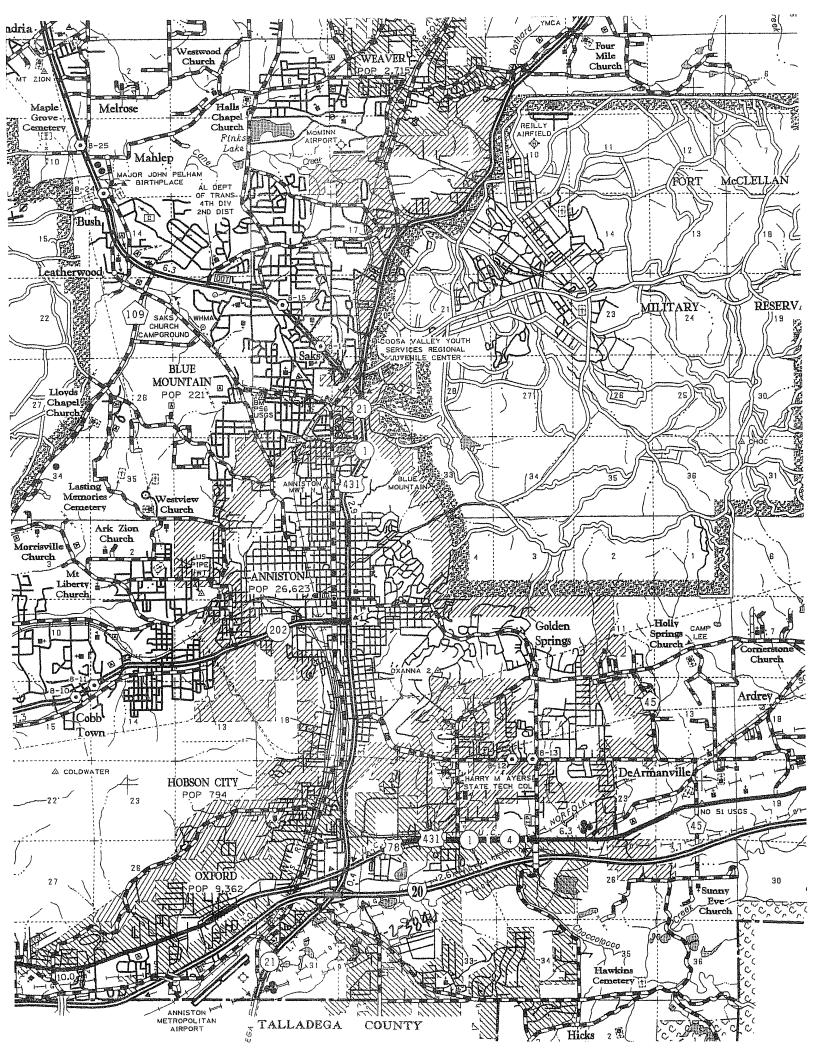
THIS LETTER OF SUBMITTAL IS TO CERTIFY THE MATERIAL QUOTED ON THE ABOVE JOB WILL BE AS FOLLOWS:

QUANTITY	SIZE	DESCRIPTION
330' 330'	24" X 375 WALL X 20'S	NEW, CARBON STEEL PIPE. COATED PER ALDOT SPECS (PRIMER ID & OD, BITUMINOUS OD) DOMESTIC MANUFACTURE. MEETS OR EXCEEDS THE YIELDS & TENSILES OF ASTM
		A-252 GR. 2 PER ALDOT SPECS.

Terry Stephens

TERRY STEPHENS

800-886-9764 FAX (205)426-9794



APPENDIX F

WATERLINE EASEMENT AND SEWERLINE EASEMENT AGREEMENT

DEED 3136 937 Recorded In Above Book and Page 05/24/2011 11:12:08 AM Alice K. Martin Judge of Probate Calhoun County, Alabama

STATE OF ALABAMA

COUNTY OF CALHOUN

WATERLINE EASEMENT AND SEWERLINE EASEMENT AGREEMENT

WITNESSETH:

WHEREAS, Grantor is the owner of certain real property in the City of Oxford, (the "Property"); and,

WHEREAS, Grantee has requested from Grantor a perpetual, non-exclusive easement for a waterline and sewerline across the Property (the "Waterline Easement and Sewerline Easement"), as more particularly described in Exhibit A hereto ("Easement Area"); and,

WHEREAS, Grantor is willing to provide an easement to Grantee subject to the terms and conditions hereinafter set forth.

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties and \$10.00 in hand paid, the parties hereto, for themselves, their successors and assigns, do hereby declare, create, establish, grant and impose the following non-exclusive easements upon the Grantor's Property to run with, benefit and be appurtenant to the Easement Area, as set forth below.

1. Grant of Waterline Easement. Grantor hereby grants to Grantee a non-exclusive, perpetual, appurtenant easement on that portion of the Grantor's Property, as described in Exhibit A hereto, for the purpose of maintaining a waterline. Grantor further grants to Grantee an easement in the Waterline Easement for the purpose of maintenance of the Waterline Easement. Should Grantee elect to perform any maintenance, it will indemnify Grantor for any loss or damage associated with such maintenance and return the area to a condition similar to that prior to Grantee's performance of maintenance.

- 2. <u>Grant of Sewerline Easement.</u> An easement for a sewerline with the right to construct, maintain, inspect, operate, protect, replace, repair, , and remove a pipe line for the transportation of sewer and other waste, upon and along a route to be selected by the Grantee across, over, and through the property described as Exhibit A attached hereto.
- 3. Reservation of Rights. Notwithstanding anything contained herein to the contrary, Grantor reserves the right to improve the areas in and around the Waterline Easement and Sewerline Easement, including paving and landscaping over the area. In the event that the location of the waterline and sewerline, and thus, the Waterline Easement and Sewerline Easement become an impediment to the construction of facilities, to the use, or to the enjoyment of the property by the Grantor, due to the Grantor's necessity or convenience, the Grantee agrees to relocate the waterline and sewerline at its own expense to a location on the property of the Grantor that is agreeable to the Grantor. The Grantor agrees to provide the Grantee with a similar easement containing the relocated waterline and sewerline as the Waterline Easement and Sewerline Easement conveyed herein, in such case, upon receipt of quitclaim by the Grantee of this Waterline and Sewerline Easement.
- 4. <u>Use of Easements.</u> The Waterline Easement and Sewerline Easement granted hereby are for the use of Grantee, its successors and assigns.
- 5. <u>Installation, Restoration.</u> The work of installing and maintaining said Waterline Easement and Sewerline Easement shall be done with care and without the incurrence of a lien on Grantor's Property. Grantee shall immediately pay all contractors or subcontractors, and shall hold harmless and indemnify Grantor for any mechanic's or materialman's claims stemming from the work. Grantor's property along the easement shall be restored substantially to its original condition following initial construction and any subsequent maintenance, including the replacement of any pavement.
- 6. <u>Legal Effect.</u> The Waterline Easement and Sewerline Easement created by this Agreement are appurtenant to the Easement Area will run with the land.
- 7. <u>Amendments.</u> This Agreement, and any provision herein, may be modified or amended only by the express written consent of Grantor and Grantee, or their respective successors or assigns.
- 8. <u>Severability.</u> If any provision of this Agreement is held to be invalid or unenforceable, the remainder of this Agreement will not be affected thereby and each remaining prevision of this Agreement will be valid and enforceable.
- 9. <u>Governing Law.</u> This Agreement will be construed in accordance with the laws of the State of Alabama.
 - 10. <u>Time.</u> Time is of the essence of this Agreement.
- 11. <u>Binding Effect.</u> The provision of this Agreement will inure to the benefit of and be binding upon Grantor and Grantee, together with their respective successors, assigns and mortgagees, to the extent herein provided.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year first written above.

GRANTOR: ANNISTON WATER AND **GRANTEE:** OXFORD WATER WORKS I, the undersigned, a Notary Public in and for said State and County, hereby certify that JAMES D. MILLER as GENERAL MANAGER of ANNISTON WATER AND SEWER BOARD, whose name as such GENERAL MANAGER and with full authority is signed to the foregoing convevance and who is known to me. acknowledge before me, on this day that being informed of the contents of the conveyance, he executed with same voluntarily on the day the same bears date the same voluntarily on the day the same bears date. OTAR River under my hand and seal this the 23nd day of _ My Commission Expires:_

STATE OF ALABAMA

STATE OF ALABAMA

COUNTY OF CALHOUN

COUNTY OF CALHOUN

I. the undersigned, a Notary Public in and for said State and County, hereby certify that of OXFORD WATER Wayne Livingstor as General Manager AND SEWER BOARD, whose name as such Rengal manager and with full authority is signed to the foregoing convevance and who is known to me, acknowledge before me on this day that being informed of the contents of the conveyance, he executed the same voluntarily on the day the same bears date. Given under my hand and seal this the 23rd day of May

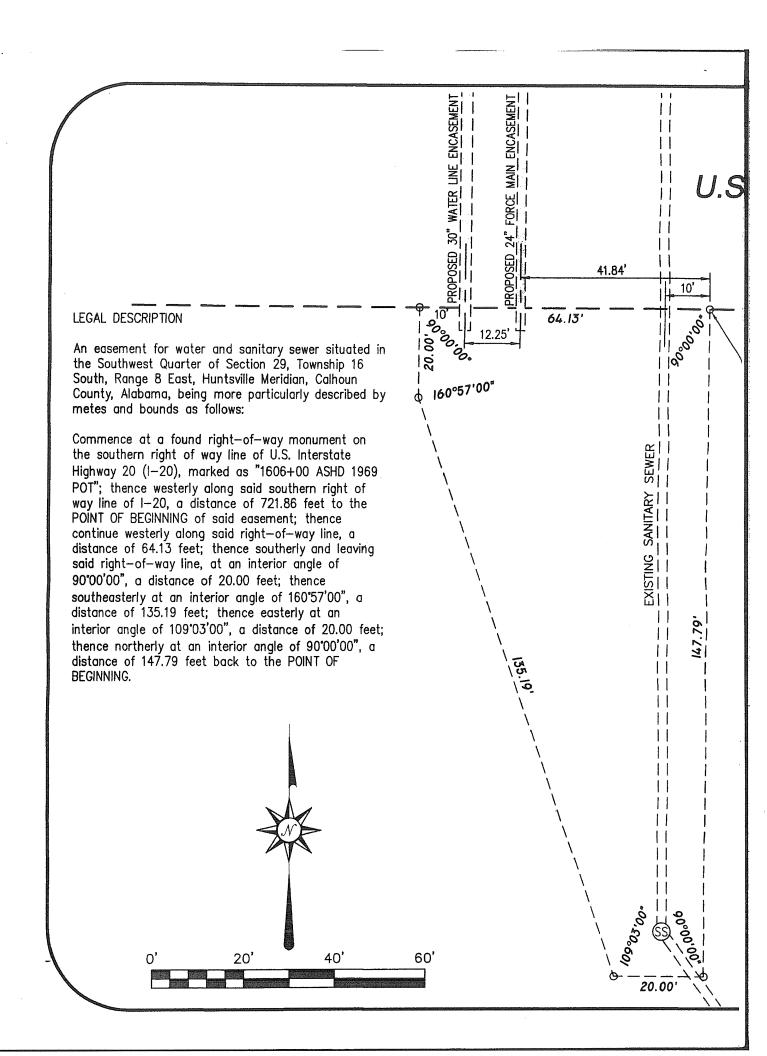
NOTARY PUBLIC

My Commission Expires:

EXHIBIT A

An. easement for water and sanitary sewer situated in the Southwest Quarter of Section 29, Township 16 South, Range 8 East. Huntsville Meridian, Calhoun County, Alabama, being more particularly described by metes and bounds as follows:

Commence at a found right-of-way monument on the southern right of way line of U.S. Interstate Highway 20 (I-20), marked as "1606+00 ASHD 1969 POT" thence westerly along said southern right of way line of I-20, a distance of 721.86 feet to the POINT' OF BEGINNING of said easement; thence continue westerly along said right-of-way line, a distance of 64.13 feet; thence southerly and leaving said right of way line, at an interior angle of 90°00'00", a distance of 20,00 feet; thence southeasterly at an interior angle of 160"57'00", a distance of 135.19 feet; thence easterly at an interior angle of 109°03'00, a distance of 20.00 feet; thence northerly at an interior angle of 90°00'00" a distance of 147.79 feet back to the POINT OF BEGINNING.



Interstate Highway 20

300' RIGHT OF WAY

RIGHT OF WAY

721.86

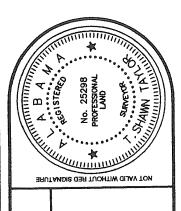
- POINT OF BEGINNING

FOUND RIGHT-OF-WAY MONUMENT MARKED 1606+00 ASHD 1969 POT

SURVEYOR'S NOTES

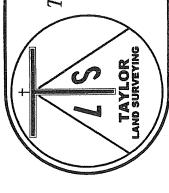
- This is an Easement Survey made on the ground under the supervision of an Alabama Professional Land Surveyor. Date of survey is 20 April 2011.
- 2. North basis is Alabama State Plane Coordinates, East Zone, as provided by the Alabama Department of Transportation.
- 3. No underground utilities, underground encroachments, or building foundations were measured or located as part of this survey, unless otherwise shown. Trees and shrubs were not located, unless otherwise shown.
- 4. This survey was conducted for the purpose of an Easement Survey only, and is not intended to delineate the regulatory jurisdiction of any federal, state, regional, or local agency, board, commission, or other similar entity.
- 5. Attention is directed to the fact that this survey may have been reduced or enlarged in size due to reproduction. This should be taken into consideration when obtaining scaled data.
- 6. This Survey is subject to any and all easements, rights of way, covenants, or restrictions of record, which a complete title search may reveal.

I hereby state that all parts of this survey and drawing have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Alabama to the best of my knowledge, information, and belief.



Easement Survey
Sity of Oxford, Alabama
Nater and Sewer Board

'aylor Land Surveying Inc. Surveyors * Planners * Consultants



TLS PROJECT NO. 09-003

APPENDIX G

SOIL SAMPLING RESULTS FOR THE I-20 SNOW CREEK BRIDGE EXPANSION SUPPORT WORKPLAN – ADDENDUM NO. 1, ANNISTON PCB SITE, ANNISTON, ALABAMA PREPARED BY GENESIS PROJECT, INC

Memo

To:

Gayle Macolly, Solutia, Inc.

From:

Michael Price, Genesis Project, Inc.

cc:

John Loper, The Loper Group, Inc. Donn Williams, Williams Service Meredith Harris, Roux Associates, Inc.

Alan Fowler, Arcadis, Inc.

Date:

June 20, 2011

Re:

Soil Sampling Results for the I-20 Snow Creek Bridge Expansion Support

Workplan-Addendum No. 1, Anniston PCB Site, Anniston, Alabama.

On April 28, 2011, Genesis Project, Inc. completed a soil-sampling event located at Interstate 20 (I-20) and Snow Creek in Oxford, Alabama. The sampling was performed in accordance with the I-20 Snow Creek Bridge Expansion Support Project – Addendum No. 1 dated April 19, 2011 (Sampling Plan). The purpose of this assessment was to determine the concentrations of polychlorinated biphenyls (PCBs), if any, in the soils at the site where the jacking and receiving pits were to be excavated for the proposed installation of steel casings using jack and bore technology for a water line and sewer line expansion project. The drilling spoils will be sampled and analyzed in accordance with the work plan requirements and reported in a separate report.

Prior to any site activities, the area of investigation and proposed construction was inspected with Mr. Donn Williams of Williams Service. The soil sampling and field screening activities commenced on April 26, 2011 and were completed on April 28, 2011.

Sampling Procedures

Soil samples were collected from each location at pre-selected intervals as identified in the Sampling Plan and as indicated on Table 1. All soil samples were collected utilizing a GeoprobeTM and were processed at the Solutia Field Office. Two borings at each location were composited at one foot intervals commencing at ground surface to four feet below ground surface (bgs) and at two foot intervals from four feet bgs to ten feet bgs. The composite samples were thoroughly mixed using a stainless steel bowl and spoon prior to being placed in appropriate pre-cleaned laboratory containers. All sampling equipment was decontaminated between sampling locations utilizing the decontamination procedure outlined in the Quality Assurance Project Plan for the Anniston PCB Site, Revision 5.

Soil Sample Analyses

All samples were field screened for PCBs at 1 part per million (ppm) and 50 ppm using immunoassay techniques by USEPA Method 4020. The results of the field screening analysis are summarized in Table 1. The locations and field screening analysis of soil samples collected are shown on Figure 1.

After review of the field screening data, one soil sample (RP1 8-10') was identified that had a field screening result that was indicative of being a false positive result (e.g. the sample analysis was both colorimetrically and photometrically similar to the comparative standard). This sample was selected for laboratory analysis for confirmation in order to better inform soil management and disposal decisions. The soil sample was submitted to Test America Laboratories in Savannah, Georgia for analysis of PCBs by USEPA Method 8082B to confirm the actual concentration level.

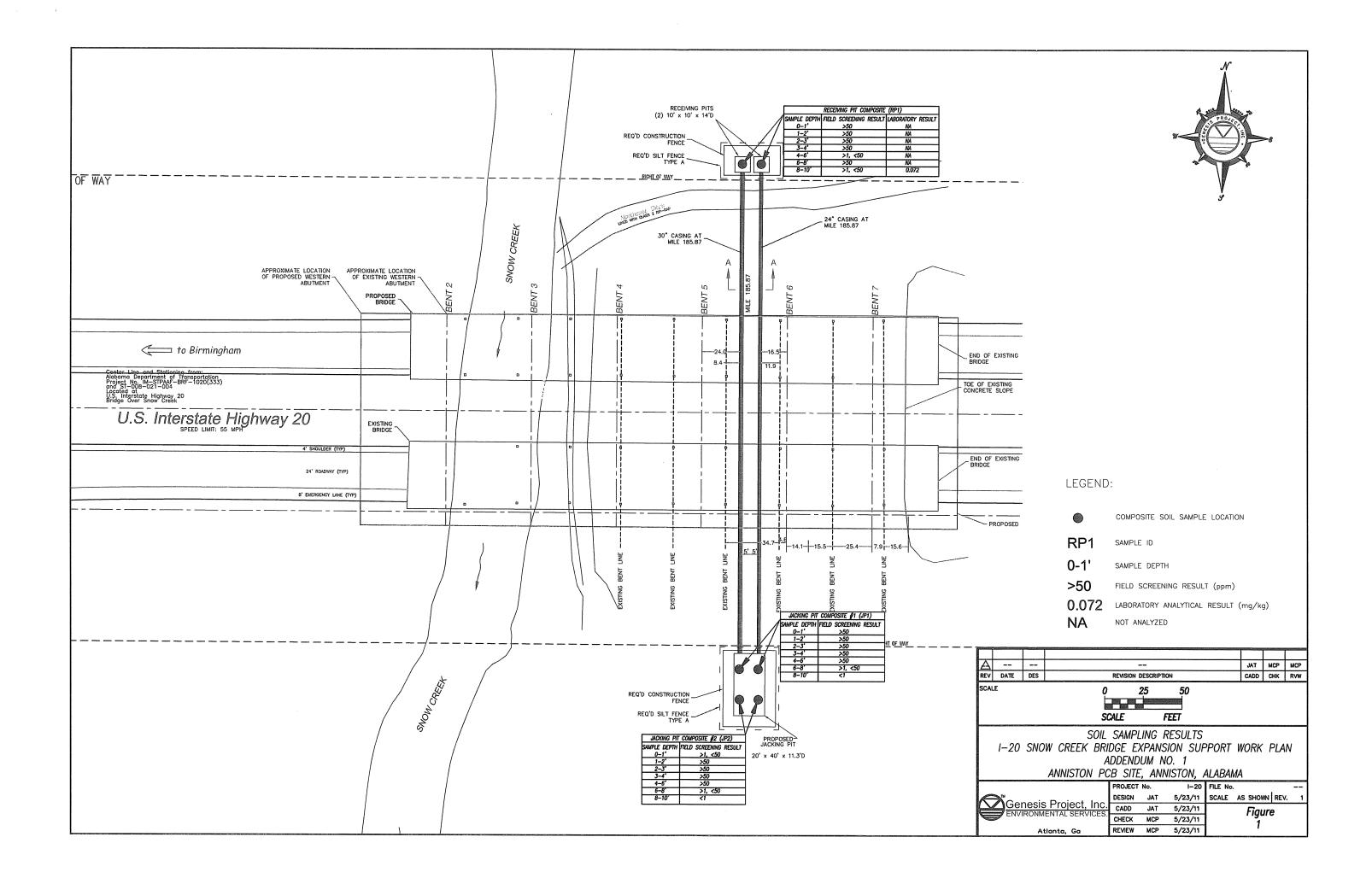
The laboratory analysis confirmed that the screening result for this sample was a false positive result. The total PCB result for this sample is shown on Table 1. The validated laboratory report is included as Attachment 1.

TABLE

Table 1: Field Screening and Laboratory Analytical Results
I-20 Snow Creek Bridge Expansion Support Project Work Plan, Addendum No. 1
Anniston PCB Site, Anniston, Alabama

	Sample	Field Screening Result	Total DCP Laborata
Sample ID	Depth	(ppm)	Total PCB Laboratory
	0-1'		Analytical Result (mg/kg)
		>50	NA NA
Boosissing Die	1-2'	>50	NA
Receiving Pit	2-3'	>50	NA NA
(Two Point	3-4'	>50	NA
Composite)	4-6'	>1, <50	NA
	6-8'	>50	NA
	8-10'	>1, <50	0.072
	0-1'	>50	NA
	1-2'	>50	NA
Jacking Pit 1	2-3'	>50	NA
(Two Point	3-4'	>50	NA
Composite)	4-6'	>50	NA
	6-8'	>1, <50	NA
	8-10'	<1	NA
	0-1'	>1, <50	NA
	1-2'	>50	NA
Jacking Pit 2	2-3'	>50	NA
(Two Point	3-4'	>50	NA
Composite)	4-6'	>50	NA NA
	6-8'	>1, <50	NA NA
	8-10'	<1	NA NA

ppm - parts per million mg/kg - milligrams per kilogram NA - Not Analyzed **FIGURE**



ATTACHMENT 1 LABORATORY REPORT

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Project Name: <u>I-20 Bridge Expansion Project</u> Reviewer: <u>Tiffany Messier</u>				Project Manager:				
				Project Manager:Project Number:				
				Validation Date: <u>05/10/11</u>				
	atory: Test America Savannah	SD	SDG #: <u>680-67844-1</u>					
	tical Method (type and no.): PCB (8082)	tonovanisti.						
	:: ☐ Air ☒ Soil/Sed. ☐ Water ☐ Wast le Names_RP-1 8-10'.	e 🗌 _	***************************************	***************************************				
Janip	ie Names RP-1 6-10.							
NOTE	: Please provide calculation in Comment areas	or on the	back (if	on the ba	ack please indicate in comment areas).			
Field I	Information	YES	NO	NA	COMMENTS			
a)) Sampling dates noted?	\boxtimes						
b)	Sampling team indicated?	\boxtimes						
c)	Sample location noted?	\boxtimes						
d)	Sample depth indicated (Soils)?	\boxtimes	П	$\overline{\Box}$				
e)	Sample type indicated (grab/composite)?	⊠	$\overline{\Box}$		Verified by Field Personnel			
f)	Field QC noted?			⊠	vermed by Field Personner			
g)	Field parameters collected (note types)?		П					
h)								
i)	Notations of unacceptable field conditions/perfor							
	,				a notes:			
j)	Does the laboratory narrative indicate deficiencie		⊠					
	Note Deficiencies:							
Chain-	of-Custody (COC)	YES	NO	NA	COMMENTS			
a)	Was the COC properly completed?	\boxtimes						
b)	Was the COC signed by both field	-						
- 3	and laboratory personnel?	\boxtimes						
c)	Were samples received in good condition?	\boxtimes						
Senera	I (reference QAPP or Method)	YES	NO	NA	COMMENTS			
a)	Were hold times met for sample pretreatment?	\boxtimes						
b)	Were hold times met for sample analysis?	×						
c)	Were the correct preservatives used?							
d)	Was the correct method used?	⊠						
	Were appropriate reporting limits achieved?	⋈						
	Were any sample dilutions noted?							
	Were any matrix problems noted?		⊠ ⊠					

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blank	ks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?		×		COMMEN 19
b					
c)				⊠	
d)					
Labor	ratory Control Sample (LCS)	YES	NO	24.4	
a)			МО	NA	COMMENTS
b)					
c)		? ⊠ ⊠			
D !!				-	
Duplic		YES	NO	NA	COMMENTS
a)	Were field duplicates collected (note original and	duplicate	sample	names)?	
L١	Maria C. L.		\boxtimes		
b)	Were field dup. precision criteria met (note RPD)?			\boxtimes	
c)	Were lab duplicates analyzed (note original and du	uplicate	samples)	?	
			\boxtimes		
d)	Were lab dup. precision criteria met (note RPD)?			\boxtimes	
Blind S	itandards	YES	NO	MA	
a)	Was a blind standard used (indicate name,		×	NA	COMMENTS
	compounds included and concentrations)?	لا			
b)	Was the %D within control limits?			\boxtimes	
Matrix §	Spike/Matrix Spike Duplicate (MS/MSD)	VEC	NO		
	Was MS accuracy criteria met?	YES	NO	NA —	COMMENTS
	Recovery could not be calculated since sample	\boxtimes	\boxtimes		Elevated Recovery for 1016.
`	somained high concentration of analyte?			\boxtimes	
	Was MSD accuracy criteria met?	\boxtimes	\boxtimes		Elevated Recovery for 1016.
F	Recovery could not be calculated since sample contained high concentration of analyte?				Elovated Necovery for 1016.
c)	Were MS/MSD precision criteria met?	\boxtimes			
urrogat	de Spikes			-	
	Were surrogate recoveries within control limits?	YES	NO	NA	COMMENTS
b) \	Were surrogate recoveries not calculated due to	\boxtimes			
Ċ	dilutions?	\boxtimes			
ommen'	ts/Notes:				
	· · · · · · · · · · · · · · · · · · ·				

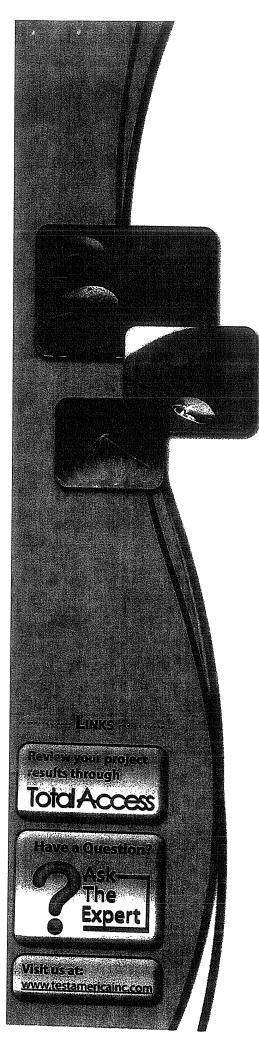
QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
None				
	_			

Signaturer () HUU	Melhan	Date: <u>05/10/11</u>
1	1	

M



<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-67844-1

Client Project/Site: Anniston / I-20 - 4/26/11

Golder Associates Inc. 3730 Chamblee Tucker Road Atlanta, Georgia 30341

Attn: Steve Moeller

For:

Authorized for release by: 05/04/2011 02:09:20 PM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

cc: Michael Price

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 15

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Case Narrative

Client: Golder Associates Inc.

Job ID: 680-67844-1

Project/Site: Anniston / I-20 - 4/26/11

Laboratory: TestAmerica Savannah

TestAmerica Job ID: 680-67844-1

680-67844-1

Job Narrative

Receipt

Narrative

All samples were received in good condition within temperature requirements.

GC Semi VOA

Method(s) 8081A_8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 201417 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8081A_8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LCSSRM 680-201417/6-). These results have been reported and qualified.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Comments

No additional comments.

Sample Summary

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

	1000
1200	
120	1988

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-67844-1	RP1 8-10'	Solid	04/26/11 11:00	04/29/11 09:28

















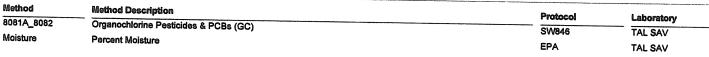
Method Summary

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

Protocol	Laboratory



Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858























Qualifier Definition/Glossary

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

Qualifiers	
GC Semi VO	
Qualifier	Qualifier Description
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.
х	Surrogate is outside control limits
Abbreviation	These commonly used abbreviations may or may not be present in this report.
\(\)	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points

Analytical Data

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

Client Sample ID: RP1 8-10'

Date Collected: 04/26/11 11:00 Date Received: 04/29/11 09:28 Lab Sample ID: 680-67844-1

Matrix: Solid

Percent Solids: 78.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	41	U	41		ug/Kg	₩	04/29/11 15:10	05/02/11 11:50	
PCB-1221	83	U	83		ug/Kg	⇔	04/29/11 15:10	05/02/11 11:50	
PCB-1232	41	U	41		ug/Kg	*	04/29/11 15:10	05/02/11 11:50	,
PCB-1242	41	U	41		ug/Kg	≎	04/29/11 15:10	05/02/11 11:50	,
PCB-1248	41	U	41		ug/Kg	*	04/29/11 15:10	05/02/11 11:50	
PCB-1254	41	U	41		ug/Kg	*	04/29/11 15:10	05/02/11 11:50	1
PCB-1260	72		41		ug/Kg	*	04/29/11 15:10	05/02/11 11:50	
PCB-1268	41	U	41		ug/Kg	≎	04/29/11 15:10	05/02/11 11:50	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Amelianist	D# 5-
Tetrachloro-m-xylene	125		60 - 139				04/29/11 15:10	Analyzed 05/02/11 11:50	Dil Fac
DCB Decachlorobiphenyl	112		70 - 130				04/29/11 15:10	05/02/11 11:50	7





Surrogate Summary

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Solid

Prep Type: Total/NA

					Percent Sum	ogate Reco	rery (Accept	ance Limits)	
			TCX1	DCB1				•	
	Lab Sample ID	Client Sample ID	(60-139)	(70-130)					
	680-67844-1	RP1 8-10'	125	112			***************************************		
-	680-67844-1 MS	RP1 8-10'	109	123					

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Solid Prep Type: Total/NA

Γ				
				Percent Surrogate Recovery (Acceptance Limits)
		TCX1	DCB2	
Lab Sample ID	Client Sample ID	(60-139)	(70-130)	
680-67844-1 MSD	RP1 8-10'	116	109	
LCS 680-201417/3-A	LCS 680-201417/3-A	91	101	
Surrogate Legend				
TCX = Tetrachloro-m-xy	rlene			
DCB = DCB Decachloro	biphenyl			

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		TCX2	DCB2	•
Lab Sample ID	Client Sample ID	(60-139)	(70-130)	
LCSSRM 680-201417/6-A	LCSSRM 680-201417/6-A	98	176 X	
MB 680-201417/2-A	MB 680-201417/2-A	101	101	

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

TestAmerica Job ID: 680-67844-1

Client: Golder Associates Inc. Project/Site: Anniston / I-20 - 4/26/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

% Recovery Qualifier

101

101

Lab Sample ID: MB 680-201417/2-A
Matrix: Solid
Analysis Ratch: 201604

Client	Sample	ID: I	MB	680-201	1417/2-A
		_			

Prep Type: Total/NA Prep Batch: 201417

	MS	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Amahasal	
PCB-1016	33	ĪĪ.	33					Analyzed	DII Fac
PCB-1221		*			ug/Kg		04/29/11 15:10	05/02/11 10:52	1
1	67	U	67		ug/Kg		04/29/11 15:10	05/02/11 10:52	4
PCB-1232	33	U	33		ualka				'
PCB-1242		_			ug/Kg		04/29/11 15:10	05/02/11 10:52	1
	33	U	33		ug/Kg		04/29/11 15:10	05/02/11 10:52	1
PCB-1248	33	U	33		ug/Kg		04/00/44 45 45		•
PCB-1254	33						04/29/11 15:10	05/02/11 10:52	1
PCB-1260	33	U	33		ug/Kg		04/29/11 15:10	05/02/11 10:52	1
	33	U	33		ug/Kg		04/29/11 15:10		•
PCB-1268	33	11			- •		04/23/11 15:10	05/02/11 10:52	1
	33	U	33		ug/Kg		04/29/11 15:10	05/02/11 10:52	1
	MB	MB							
Surrogate	% Perover	Ovolita							

Limits

60 - 139

70 - 130

DCB Decachlorobiphenyl Lab Sample ID: LCS 680-201417/3-A

Matrix: Solid Analysis Batch: 201601

Tetrachioro-m-xylene

Client Sample ID: LCS 680-201417/3-A

Analyzed

05/02/11 10:52

05/02/11 10:52

Prepared

04/29/11 15:10

04/29/11 15:10

Prep Type: Total/NA Prep Batch: 201417

DII Fac

	Analyte		Spike	LCS	LCS				% Rec.	awn: Zvi	1417
	PCB-1016	 	Added	Result	Qualifier	Unit	D	% Rec	Limits		
	PCB-1260		330	332		ug/Kg		101	64 - 130		
			330	338		ug/Kg		103	69 - 130		
ŧ											

LCS LCS Surrogate % Recovery Qualifier Limits Tetrachloro-m-xylene 91 60 - 139 DCB Decachlorobiphenyl 101 70 - 130

Lab Sample ID: LCSSRM 680-201417/6-A

Matrix: Solid

Analysis Batch: 201601

Client Sample ID: LCSSRM 680-201417/6-A Prep Type: Total/NA

Prep Batch: 201417

Analyte		Spike	LCSSRM	LCSSRM				Ргер Batch: 201417 % Rec.
PCB-1248		Added	Result	Qualifier	Unit	D	% Rec	Limits
PCB-1254		1500	1500	-	ug/Kg	-	100	44 - 188
PCB-1260		3000	4540		ug/Kg		151	45 - 170
PCB-1268		2000	2860		ug/Kg		143	51 - 178
		1500	2050		ug/Kg		137	52 - 137
	1000000 1000000							

C	としろろだ例	LCSSRM	
Surrogate	% Recovery	Qualifier	Limits
Tetrachloro-m-xylene	98		60 - 139
DCB Decachlorobiphenyl	176	×	70 - 130

Lab Sample ID: 680-67844-1 MS

Matrix: Solid

Analysis Batch: 201601

Client	Sample	ID:	RP1	8-10'
	Dan T.		- m- a	

Prep Type: Total/NA Prep Batch: 201417

Analyte	Sample	•	Spike	MS	MS				Prep B % Rec.	atch: 201417
PCB-1016 PCB-1260	Result 41	Qualifier	Added 412	Result 1080	Qualifier E F	Unit ug/Kg	D ≅	% Rec 261	Limits	
FOB-1260	72		412	595		ug/Kg	*	127	64 - 130 69 - 130	

Quality Control Data

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-67844-1 MS

Matrix: Solid

Analysis Batch: 201601

Client Sample ID: RP1 8-10'

Prep Type: Total/NA

Prep Batch: 201417

	MS	MO			
Surrogate	% Recovery	Qualifier	Limits		
Tetrachloro-m-xylene	109		60 - 139		
DCB Decachlorobiphenyl	123		70 - 130		

Lab Sample ID: 680-67844-1 MSD

Matrix: Solid

Analysis Batch: 201601

Client Sample ID: RP1 8-10'

Prep Type: Total/NA
Prep Batch: 201417

Charge Page 11. Folde									a de la	euvii. S	W 1 - 7 1 1
	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
PCB-1016	41	***************************************	414	939	EF	ug/Kg	₩	227	64 - 130	14	50
PCB-1260	72		414	545		ug/Kg	₽	114	69 - 130	9	50

 Surrogate
 % Recovery
 Qualifier
 Limits

 Tetrachloro-m-xylene
 116
 60 - 139

 DCB Decachlorobiphenyl
 109
 70 - 130

QC Association Summary

Client: Golder Associates Inc.

Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

1
. 4747 5155























GC Semi VOA

Prep	Batch:	201417
------	--------	--------

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67844-1	RP1 8-10'	Total/NA	Solid	3546	
MB 680-201417/2-A	MB 680-201417/2-A	Total/NA	Solid	3546	
LCS 680-201417/3-A	LCS 680-201417/3-A	Total/NA	Solid	3546	
680-67844-1 MS	RP1 8-10'	Total/NA	Solid	3546	
680-67844-1 MSD	RP1 8-10'	Total/NA	Solid	3546	
LCSSRM 680-201417/6-A	LCSSRM 680-201417/6-A	Total/NA	Solid	3546	

Analysis Batch: 201601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-201417/2-A	MB 680-201417/2-A	Total/NA	Solid	8081A_8082	201417
LCS 680-201417/3-A	LCS 680-201417/3-A	Total/NA	Solid	8081A_8082	201417
680-67844-1 MS	RP1 8-10'	Total/NA	Solid	8081A 8082	201417
680-67844-1	RP1 8-10'	Total/NA	Solid	8081A 8082	201417
680-67844-1 MSD	RP1 8-10'	Total/NA	Solid	8081A_8082	201417
LCSSRM 680-201417/6-A	LCSSRM 680-201417/6-A	Total/NA	Solid	8081A_8082	201417

General Chemistry

Analysis Batch: 201444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-67844-1	RP1 8-10'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Golder Associates Inc. Project/Site: Anniston / I-20 - 4/26/11

TestAmerica Job ID: 680-67844-1

Client Sample ID: RP1 8-10'
Date Collected: 04/26/11 11:00
Date Received: 04/29/11 09:28

Lab Sample ID: 680-67844-1

Matrix: Solid

Percent Solids: 78.9

	Prep Type	Batch	Batch		Dilution	Batch	Prepared		
I	Total/NA	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
I		Prep	3546			201417	04/29/11 15:10	JW	TestAmerica Savannah
	Total/NA	Analysis	8081A_8082		1	201601	05/02/11 11:50	CAS	TestAmerica Savannah
	Total/NA	Analysis	Moisture		1	201444	04/29/11 16:44	ETB	TestAmerica Savannah





Serial Number 033908.	TestAmerica Savannah S102 LaRoche Avenue Savannah, GA 31404 Fac: (912) 352-0165	Alternate Laboratory Name/Location Phone:	Fax	REQUIRED ANALYSIS PAGE OF	STANDARD REPORT	DATE DUE	EXPEDITED REPORT	(SURCHARGE)	NUMBER OF COLLERS SUBMITTED	The state of the s	NUMBER OF CONTANERS SUBMITTED REMARKS		Activities to the second secon				a water of			TIME RELINQUISHED BY: (SKRWATURE) DATE TIME	1		180 - IMBORATORY REMAINS TEMP 0.3°C
	CUSTODY RECORD	Alterna	,	(STATE) AL TYPE	3/	FAX	(9) 8V	F37 - C57 F3	TAW) 21 HM32 F	D OI	JOS	1 1								RELINGUISHED BY: (SIGNATURE) DATE	RECEIVED BY: (SIGNATURE) DATE	LABORATÒRY (ISE ONLY	\$0.C
ANALYSIS BEOLIEST AND ALLAND OF	DEFICO	NMENTAL TESTING	ON		P.O. NUMBER	CLIENT PHONE 770-319-7217		Child II than a coll (VORINGI application	133/3/	SAMPLE IDENTIFICATION	KF1 8-10"							27.16	8/1 1030°			OU(39/11) DAZE
	TestAmeric	THE LEADER IN ENVIRONMENTAL TESTING	PROJECT REPERENCE	The day por son The	13, 2,110) and 1000 miles	John Lager	CLIENT NAME	CLIENT ADDRESS	COMPANY CONTRACTING THIS WORKAIL applicable	SAMPLE	CAI O I IN	age	13	of 1	5				REUNQUISHED BY: (SIGNATURE)	the Model	Carolina de la caroli	BECENED FOR LARGE AMERICA	GUENTURE O OUGHE

Login Sample Receipt Checklist

Client: Golder Associates Inc.

Job Number: 680-67844-1

Login Number: 67844 List Number: 1

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	, N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded:	True	222
COC is present.		0.2 C
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he COC.	N/A True	
Samples are received within Holding Time.	-	
Sample containers have legible labels.	True 	
Containers are not broken or leaking.	True -	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
ample Preservation Verified.	True	
here is sufficient vol. for all requested analyses, incl. and analyses	N/A	
	True	
OA sample vials do not have headspace or bubble is <6mm (1/4") in iameter.	N/A	
ultiphasic samples are not present.	Tere	
amples do not require splitting or compositing.	True	
esidual Chlorine Checked.	True	
	N/A	

Client: Golder Associates Inc. Project/Site: Anniston / I-20 - 4/26/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah		USDA		SAV 3-04
TestAmerica Savannah	A2LA	DoD ELAP	0	0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025	0	399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	
TestAmerica Savannah	· Illinois	NELAC	5	N/A 200022
TestAmerica Savannah	Indiana	State Program	5	200022
TestAmerica Savannah	Iowa	State Program	7	N/A
FestAmerica Savannah	Kansas	NELAC	7	353
TestAmerica Savannah	Kentucky	Kentucky UST		E-10322
FestAmerica Savannah	Kentucky	State Program	4	18
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TestAmerica Savannah	Maryland	State Program	1	GA00006
estAmerica Savannah	Massachusetts	State Program	3	250
estAmerica Savannah	Michigan	State Program	1	M-GA006
estAmerica Savannah	Mississippi	-	5	9925
estAmerica Savannah	Montana	State Program	4	N/A
estAmerica Savannah	Nebraska	State Program	8	CERT0081
estAmerica Savannah	Nevada	State Program	7	TestAmerica-Savannah
estAmerica Savannah	New Jersey	State Program	9	GA6
estAmerica Savannah	New Mexico	NELAC	2	GA769
estAmerica Savannah	New York	State Program	6	N/A
estAmerica Savannah	North Carolina	NELAC	2	10842
estAmerica Savannah	North Carolina	North Carolina DENR	4	269
estAmerica Savannah	Oklahoma	North Carolina PHL	4	13701
estAmerica Savannah	Pennsylvania	State Program	6	9984
estAmerica Savannah	Puerto Rico	NELAC	3	68-00474
estAmerica Savannah	Rhode Island	State Program	2	GA00006
estAmerica Savannah		State Program	1	LAO00244
estAmerica Savannah	South Carolina	State Program	4	98001
estAmerica Savannah	Tennessee	State Program	4	TN02961
stAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
stAmerica Savannah	Vermont	State Program	1	87052
stAmerica Savannah	Virginia	State Program	3	302
stAmerica Savannah	Washington	State Program	10	C1794
stAmerica Savannah	West Virginia	West Virginia DEP	3	94
stAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
stAmerica Savannah	Wisconsin	State Program	5	999819810
ou allerica Savannan	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

APPENDIX H

DUST MONITORING DATA (ON CD)

APPENDIX I

DISPOSAL DOCUMENTATION

Date	Manifest No.	Weight (tons)	Disposal Facility
5/10/2011	360329	11	Three Corners
5/11/2011	360331	15.38	Three Corners
5/12/2011	360334	14.12	Three Corners
5/18/2011	360333	10.78	Three Corners
5/18/2011	360335	15.94	Three Corners
5/19/2011	360336	0.96	Three Corners



NON-HAZARDOUS MANIFEST

	WASTE MANAGEMENT			-6 - 5 - 31		3 81-	<u>. </u>		
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	NON-HAZARDOUS MANIFEST	9 3.1	10 mg		7.1	1			
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. ,	2205 COUNTY ROAD 6					H. State Fa	cility Phone	256-447-188	1
	PIEDMONT, AL 36272								
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Ġ	11. Description of Waste Materials			No.	Type	13. Total Quantity	14. Unit Wt./Vol.	l. Misc. Comme	nts
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	I hereby certify that the above-descr	rihed materials are not l	nazardous wastes as defi	ned by CFR P	art 261 or a	anv applicabl	e state law. h	ave been fully and	
	accurately described, classified and	packaged and are in pro	per condition for transpo	ortation acco	rding to ap	plicable regu	etiens.		, i
	Printed Name		Signature "On beha	alf of",		. A. H	TALE	Month Day	Year
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Pink- FACILITY USE ONLY



CORNERS LANDFILL 2205 COUNTY ROAD 6 PIEDMONT, AL, 36272

Billing# 0000408

Original Ticket# 269838

Volume

Ph: (256) 447-1881

Customer Name SOLUTIA_CF6400_CW5520_408 SCL Carrier INDUSTRIAL WASTE INC. Vehicle# MACK2

Ticket Date 05/10/2011

Payment Type Credit Account

Manual Ticket#

Route

Hauling Ticket#

Destination

PO# 1) 4503928546 2) 4503928546 3) 4503928546 Manifest# 00360329

Profile# CF6400 (Special Waste Misc)

Generator 181-SOLUTIA SOLUTIA

Time In 05/10/2011 10:27:46 Scale1

Out 05/10/2011 10:27:46

Scale

Operator jshields jshields

* Manual Weight

Container

Driver Check#

Grid

Inbound

Gross Tare

31760 lb* Net 22000 lb 11.00

53760 16#

Tons

Comments

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Driver's Signature

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NON-HAZARDOUS MANIFEST

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NON-HAZARDOUS MANIFEST									
3. Generator's Mailing Address: SOLUTIA INC (ANNISTON PCB 702 CLYDESDALE ANNISTON, AL 36201 4. Generator's Phone 601-8	SITE) AN	erator's Site Address NISTON PCB SITE NISTON, AL	(If different than m	railing):			0036 Generator		
5. Transporter 1 Company Name		ETERON STANDARD	A ID Number	aymana (na haad	C. State T	ransporter's I	D		
7. Transporter 2 Company Name		8. US EP.	R Marganyo A ID Number S Marganyo		D. Transp	orter's Phone ransporter's II		enter Picanya	
9. Designated Facility Name and Site THREE CORNERS REGIONAL LA 2205 COUNTY ROAD 6 PIEDMONT, AL 36272			PÅ ID Number		G. State F	acility ID		447-18	
11. Description of Waste Materials			12. Co	ntainers Type	13. Total Quantity	14. Unit Wt./Vol.	1, 1	Misc. Comme	ents
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, Additionái Descriptios			Cell Grid				Level		
15. Special Handling Instructions and a Special Handling Instructions	Additional Information	servery sine							
Purchase Order # 4503928546 16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described classified and page 1850.	ed materials are not ha	EMERGENCY C	fined by CFR Pa	ort 261 or a	ny applicable	ILLIAMS 60			
accurately described, classified and pa Printed Name DONN WILLIAMS	ckageu and are in propi	Signature "On bel		ding to app	Dicable regula	ations.	Month	Day	Year
17. Transporter 1 Acknowledgement of Printed Name		Signature		8	· · · · · · · · · · · · · · · · · · ·		Month	Day	Year
18. Transporter 2 Acknowledgement of Printed Name	ਸ Keceipt of Materials	Signature					Month	Day	Year
19. Certificate of Final Treatment/Disp I certify, on behalf of the above listed t applicable laws, regulations, permits ar	reatment facility, that t nd licenses on the dates	s listed above.				s managed in	complianc	e with all	
20. Facility Owner or Operator: Certifi Printed Name	cation of receipt of non	n-hazardous materials Signature	covered by thi	s manifest.			Month	Day	Year

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THREE CORNERS FOR REGIONAL LANDFILL

Phone: (256) 447-1881 • Fax: (256) 447-9274

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WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

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1	16. GENERATOR'S CERTIFICATE:								
1	I hereby certify that the above describe accurately described, classified and pac	d materials are not haz	zardous wastos as de	efined by CFR Pa	rt 261 or ar	y applicable	state law, ha	ve been fully and	
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4	I certify, on behalf of the above listed tre applicable laws, regulations, permits and	catment facility, that to	Istad above	wiedge, the abo	ive-dascribe	d waste wo	s managed in	compliance with all	
1	20. Facility Owner or Operator: Certific			t colored by etcl	r manifort				
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White TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY

Gold-TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY

50this



THREE CORNERS REGIONAL LANDFILL

¹Phon**ė**: (256) 447-1881 • Fax: (256) 447-9274

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NON-HAZARDOUS MANIFEST

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0000408



THREE CORNERS LANDFILL 2205 COUNTY ROAD 6 PIEDMONT, AL, 36272

Original Ticket# 270116

Volume

Ph: (256) 447-1981

INDUSTRIAL WASTE INC

Customer Name SOLUTIA CF6400 CW5520 408 SOL Carrier Vehicle# MACK2

Ticket Date 1 05/18/2011

Payment Type \Credit Account

Manual Ticket#

Route

Hauling Ticket#

Destination

1) 4503928546 2) 4503928546 3) 4503928546

Manifest# 00360333

Profile# CF6400 (Special Waste Misc)

Generator 181-SOLUTIA SOLUTIA

Time

Stale

Operator

Inbound

Gross

In 205/18/2011 09:31:50 | Scale1

jshields

52320 lb

Out 05/10/2011 09:47:28 Scale1

jshields

Tare.

30760 1b

Net 🕖 Tons

21560 lb 10.78

Comments

MON-FRI 7:00 AM-4:30 PM / SATABUN CLOSED/IST/SAT OF MONTH OPEN 7-11:30AM

Container

Driver

Check#

Grid

Billing#

Product	ting organic	Im \Rafe \F	ee Amount	Origin
1 NON-TSCA PCB SOIL/DEBR	되는 학생 학생 하나는 이 가장 하는 생활이 되어 되는 것이 되는 것이 되었다. 그 나는 학생들이 없는 것이다.			CALAL
2 FUEL-Fuel Surcharge - 3 EVF-L-Standard Environ	新启 使保险 美国国际 经上线 医抗原性 医二氯化二甲基甲基化二二二甲基甲基甲基二甲基甲基甲基			CALAL
A. A.		1 1		

Total Fees Total Ticket

Driver's Signature

403WM



NON-HAZARDOUS MANIFEST

MON HATANDONE	1. Generator's L	JS EPA ID No.	Manifest Doc	No.	2. Page	1 of	EL 2 22 20		
NON-HAZARDOUS MANIFEST		enes enocemble la la	rija			1			
3. Generator's Mailing Address:		Generator's Site Address			A 14-1-1				-
SOLUTIA INC (ANNISTON PCB	SITE)	ANNISTON PCB SITE	(ii dinerent than r	nalling);		fest Number			
702 CLYDESDALE					1 × × ×	VMNA		50335	
ANNISTON, AL 36201		ANNISTON, AL					Generator		
4. Generator's Phone 601-8	07-1187								
5. Transporter 1 Company Name		6. US EP	A ID Number				SPECIAL SECTION		20.50
					C. State	Transporter's I	D	a of the first of	01/15
						porter's Phone		CALCUT	111239
7. Transporter 2 Company Name		8. US EPA	ID Number		56 6	為制度的	200		
THE PROPERTY OF THE PROPERTY O			· TEN, Andrew		E. State	Transporter's I	D		1220
9. Designated Facility Name and Site	Addrose				F. Transp	oorter's Phone		specialis	in the
THREE CORNERS REGIONAL LA		IV. USEF	A ID Number					320° 63	
2205 COUNTY ROAD 6			no na pagaga			Facility ID		etat liev	102
PIEDMONT, AL 36272			¥		H. State	Facility Phone	256	-447-18	81
11. Description of Waste Materials				ntainers	13. Total	14. Unit			
a. NON-HAZARDOUS IMPACT S	SOIL & DEBBIS		No.	Type	Quantity	Wt./Vol.		Misc. Comm	ents
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- Nate Market	THE # CF0400								
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Advisional waser 7/800s	ais Listed Above		K. Disposi	al Location					
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5. Special Handling Instructions and A	Additional Informa	tion	Grid						
5. Special Handling Instructions and A	Additional Informa	tion	Grid						
	Additional Informa	tion	Grid						
Shield kemidan jakaro jilas	Additional Informa			NE NO.:	DONN W	IIIIAMS 60	1-807-1	187	
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urchase Order # 4503928546 // 6. GENERATOR'S CERTIFICATE: hereby certify that the above-describe	ed materials are no	EMERGENCY Co	ONTACT / PHO	rt 261 or a	ay annlicable				
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THREE CORNERS REGIONAL LANDFILL

Phone: (256) 447-1881 Fax: (256) 447-9274 TIME ΔA.M. □ P.M. -NAME CUSTOMER # ADDRESS COÚNTY CASH CHARGE TRUCK NO PRICE BOX SIZE GROSS WEIGHT: LBS. TARE WEIGHT: LBS. NET WEIGHT: LBS. TOTAL TONS: Customer Signature

White - Customer

Pink - Audit

Yellow - billing

Gold - Branch

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NON-HAZARDOUS MANIFEST

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3. Generato	r's Mailing Address:	W .	Generator's Site	Addense	J106	19 JU	 				
SOLUTIA	INC (ANNISTON PCB	SITE)	ANNISTON PC	R CITE	oliterent than i	фенция;		est Number			
702 CLYDI	ESDALE	·		DONE			V	Vivina	0036	0336	
ANNISTO	N, AL 36201		ANNISTON, AL	•				0. State	Generator	's ID	
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	er 1 Company Name	01,4101		100						4.	•
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7. Transport	er 2 Company Name	el es	В.	lič ma i	D Number	£	D. Trans	ortor's Phone	2	1 1 1	
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3	Vi •€				til e			ransporter's l			
9. Designate	d Facility Name and 51to	Address	10.		JD Number			orter's Phone		CD CANA	
THREE CO	RNERS REGIONAL LA	NDFILL	Ĭ				G. State	<u> </u>			是一致生
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	To the today										
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		<u> </u>	EMER	SENCY CON	ГАСТ / РНО	NE NO.	DONN W	ILLIAMS 60	1-807-11	87	
	DR'S CERTIFICATE:										
I hereby certin	y that the above describe cribed, classified and nac	d materials are no	t hazardous waste	s as define	d by CFR Pa	rt 261 or an	y applicable	state law, ha	ve been ful	tv and	
Printed Name	cribed, classified and pac	kaged and are in p	oher chimilion to	ruansport	ation-accor	ding to appl	lcable regul	ations.		7 0.110	
	WILLIAMS		Signature	"On behalf	ீ /	1	A.IK	ذ	Manth	Oh	Year
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19. Certificate	of Final Treatment/Dispo	psal						<u></u>	· · · · · · · · · · · · · · · · · · ·		
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20. Facility Ow	ner or Operator: Certific	etion of receipt of	non-hazardous ma	aterials cov	ered by this	manifest.					
Printed Wan	16	tij i	Signature				<u> </u>	<u></u> -i	Month	Day	Year
	Pet C.								repelled	ver	. rear
White TREATN	MENT, STORAGE, DISPOSA	L FACILITY COPY	Blue-GEN	ERATOR#3	CDPY		Yelio	w- GENERAT	1 <u> </u> DR #1: COEV	, 	1 7
	Pink- FACILITY USE ONLY	ř	Gold-TILAN				(] ====		- in the War		

Gold-TRANSPORTER #1 COPY

Payment Type

Credit Account 05/19/2011

Ticket Date

Manual Ticket#

Customer Name SOLUTIA CF6400 CW5520 408 SOL Carrier

PIEDMONT, AL, 36272 THREE CORNERS LANDFILL

> Ticket# 270154 Reprint

Ph: (256) 447-1881

Volume

INDUSTRIAL WASTE INC

Driver Container Vehicle#

Billing# 0000408

Grid

Check#

1) 4503928546 2) 4503928546.3) 4503928546

In Out

Generator

CF6400 (Special Waste Misc)

Profile#

Manifest# 00360336

Destination Hauling Ticket#

Route

05/19/2011 07:36:38 05/19/2011 07:57:10

Made by WorkflowOne

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Comments

0

Product

Qty .

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Rate

Amount

Origin

96

Tons

0

64 FO ~~

EVF-L-Standard Environm FUEL-Fuel Surcharge - L NON-TSCA PCB SOIL/DEBRI

100 100 100

Load

Scale1

Operator jshields jshields

MON-FRI 7:00 AM-4:30 FM / SATASUN CLOSED/1ST SAT OF MONTH OPEN 7-11:30AM

Inbound

55049 Tare Net Tons

33260 lb 31340 lb

91 9361 9e '9

전원 CALA

Total Ticket Total Fees

Driver's Signature

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75. - 24. - 24.

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Date	Manifest No.	Weight (tons)	Disposal Facility
7/18/2011	1537114	20.65	CWM Emelle, AL
7/18/2011	1537115	21.86	CWM Emelle, AL
7/19/2011	1537113	22.08	CWM Emelle, AL
7/19/2011	1537116	19.78	CWM Emelle, AL
7/19/2011	1537117	20.30	CWM Emelle, AL
7/20/2011	1537118	20.72	CWM Emelle, AL
7/20/2011	1537119	21.83	CWM Emelle, AL
7/20/2011	1537120	24.66	CWM Emelle, AL
7/21/2011	1537121	19.86	CWM Emelle, AL
7/21/2011	1517123	20.76	CWM Emelle, AL
7/22/2011	1537122	21.50	CWM Emelle, AL
7/22/2011	1517124	20,11	CWM Emelle, AL
7/22/2011	1537125	20.41	CWM Emelle, AL
7/25/2011	1537126	17.01	CWM Emelle, AL
7/25/2011	1537127	22.54	CWM Emelle, AL
7/26/2011	1537128	22,22	CWM Emelle, AL
7/26/2011	1537129	20.90	CWM Emelle, AL
7/27/2011	1537130	22.53	CWM Emelle, AL
7/27/2011	1537131	21.65	CWM Emelle, AL
7/27/2011	1537132	23.22	CWM Emelle, AL
7/28/2011	1537133	22.67	CWM Emelle, AL
7/28/2011	1537134	20.02	CWM Emelle, AL
7/28/2011	1537135	21.83	CWM Emelle, AL
7/29/2011	1537136	24.12	CWM Emelle, AL
7/29/2011	1537137	21.16	CWM Emelle, AL
7/29/2011	1610938	18.48	CWM Emelle, AL
8/1/2011	1610939	21.25	CWM Emelle, AL
8/1/2011	1610940	17.79	CWM Emelle, AL
8/1/2011	1610941	26.30	CWM Emelle, AL
8/2/2011	1610942	21.02	CWM Emelle, AL

639.23

ROUX ASSOCIATES INC

Total:

Plea	se pi	rint or type. (Form desig	·	` ' '	riter.)								OMB No. 2	050-0039
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	5, G	enerator's Name and Mailli SOLLITIA	ng Address INC - ANNIS	TON PCB 9	HTE	Ge	enerator's Sit			an mailing address				
		702 CLYDE	SDALE AV							PCB SITE W CREEK		= PPA	FCT	,
	Gen	ANNISTON erator's Phone:	AL 36201 (601)807	4407		ŧ				AL 38201		_ , ,,,,	- Wan W 1	
		ransporter 1 Company Nar	ne		*******	1			·····	U.S. EPA ID No	итьег			
			RESOURCE	S, INC.							ALROC	100072	37	
	7. Tr	ransporter 2 Company Nar	ne							U.S. EPA ID No	ımber			***************************************
	8. D	esignated Facility Name a	nd Site Address	····					*	U.S. EPA ID NO	mher			•
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Ш	Fac	ility's Phon (205)652					, ,							
$\parallel \parallel$	9a. HM		lion (including Proper 'any))	Shipping Name, Haz	ard Class, ID Number,			10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. V	Vaste Code	S
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	14. Special Handling Instructions and Additional Information PO#. 4503968655 OSD: 5-25-11													
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	15,	GENERATOR'S/OFFER marked and Tabeled/place	arded, and are in all r	espects in proper co	ndition for transport ac	cording to applicat	ble internatio	nal and natio	scribed aboverna	e by the proper ship nental regulations.	pping name, If export ship	and are clas	sified, pack am the Prim	aged, arv
Н		Exporter, I certify that the I certify that the waste mi	contents of this cons	lanment conform to t	he terms of the attach	ed EPA Acknowle	dament of Co	nsent.						,
	Gen	nerator's/Offeror's Printed/1	yped Name			Signa	3	1 14	, danier, go	14441		Mon		
+	16	DONN V International Shipments	ALLIAMS				THA	<u> </u>	-				1/8	
INT	1	nsporter signature (for exp	Import to	U.S.		Export from U.S	S.	Port of ent				·- · · · · · · · · · · · · · · · · · ·		
-	-	Transporter Acknowledgme	ent of Receipt of Mater	ials				Date leavir	ig v.a.:					
ANSPORTER	Tran	sporter 1 Printed/Typed N		LADISON		Signa	ture			1,		Mon		Year
SP	Tran	Sporter 2 Printed/Typed N		LHU/JUM	W-W		21/00	<u>~ (</u>	1/6	diso-			7 18	
TRA	"	ioportor wit tratage sypoce in	Idillo			Signa [ture					Mon I	ath Day	Year 1
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≥	18b.	, Allernate Facility (or Gene	erator)				Manifes	l Reference	Number:	U.S. EPA ID N	umber			
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D FA	Faci	ility's Phone:	7h. (. 0											
ATE	10C,	. Signature of Alternate Fac	cliry (or Generator)		•							Mo	nth Day	/ Year
ESIGNATED FACILITY	19, 1	Hazardous Waste Report I	Vanagement Method	Codes (i.e., codes fo	r hazardous waste trea	etment, disposal :	and recycling	svetems)						
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WM

Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

Attn: DONN WILLIAMS

ANNISTON, AL 36201

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537114GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the posons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 21, 2011

OSD Unique ID Cont # Profile Disposed Description
5/25/11 001537114GBF-01 1 CM9879 7/18/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537114GBF-1

CVA. INC. - EMELLE **** Receipt # 486978 ***** Page - 1 Date/Time In 7/18/11 11:47 SE WEIGHT GEMEARY ES Load Type Inspe Federal EPA ID ALROSA097237 Grees 75240.60 Transporter ACTION RESIMBLES INC. CWM Controlled Tore . 00 HARCEAILLE 質色と · E& Act to . 336 Truck Number 950 Trailer/Contor #1 327 #2 · **63** -Adi. Ret Ropt Doc Document Profile Profile Generator Cat Cut Total V DCS Sched Federal EFA Ln# Ln# Number Sales Invoicing Customer # Code Quan, V Units PCB Cat Waste Status **有的原则** 看 1 1 861537114GEF CM9879 ANNISTON PCS SITE 1 DT 18808.00 K Kilogrem V PLFE GC Undeterminable 973112-4911 THE SHIP THE SHIP TO SHIP TO NO 7/18/2011 34540 1bmb may Doc Seg # 1 ENE SOLUTTA P. ft. Run 13:48 Scheduled Date 97/18/11 Time 15:36 968928-2 >51% OR <51% DEBRIS (CINCLE) PREFILLED VAULT Y OR N (CIRCLE) >511 OR <51% HAC 18% IMSPECTION (CIRCLE) BULK MATERIAL ONLY: FREE LIQUIDS DETECTED? SAMPLED/INSPECTED YES / MO SELECT MATERIAL/NON-SELECT MATERIAL WIND DISPERSAL MATERIAL? YES / KO PHYSICAL DESCRIPTION OF WASTE: SABPLER/APPROVAL . SPOT SAMPLE:____Bii-PETS. DESCRIPTION PAD. SERFER POS HEB POS NES IGH SCREEN 1120 SOL. 5 F PT/SOL NZO RXR/TENP. NO RXN REACTS oh (PAPER) CN_SCREEK + - SUFIDE SCREEK + - 1 ADDITIONAL AMALYTICAL BEG'D? Y N SULFIDE (9838)
CYANIDE (9818) TAB WASTE Y N PAINT FILTER TEST/ P F SPEC. GRAVITY BRZ CORC. PPR CONNENTS: (GAFETY/OPERATIONAL) COMPAT. TEST W/ ON BYR ADD'L SPOT SAMPLE ATTACHED? Y TO DISPOSAL METROD: S SP ST-3 ST-3/FT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 SQ1-PTA B-PIN OTHER P-ST-S/PT ST-8 ST-8/PT SEC ENC (MAC INSPECT) F INC SP-VS POB-MAC P-MAC P-57-8 P-51-0/PT VS-3 VS-5 VS-6 INDICATOR FARAMETER WILL BE CHALLD B-RAC LOADS RESITRIES TESPECTICS THAT ARE FIRED TO BE LESS TRAE SIZ WEST EE RETURNED TO LAB AND PLACED ON HOLD. RELEASED FOR DISPOSAL BY: DATE:

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WM Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055

(205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

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Dorothy Oliver, Record eeping and Reporting Supervisor

July 21, 2011

Page 1 of 1

OSD Unique ID Cont # Profile Disposed Description
5/25/11 001537115GBF-01 1 CM9879 7/18/11 ANNISTON PCB SITE CONSENT DECR

Manifest: 001537115GBF-1

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CHE. INC EMBLE	Fage - i
Date/Time In 7/18/11 18:26 Load Type Dumps Federal EPA ID ALRESSEUTZ37 Transporter ACVION RESCURCES INC CVN Controlled HANCEVILLE AL	oo VEIGET SIMMARY oo Gross 76440.00 Tere .00 Net .00
Truck Washer 146 Trailer/Contar #1 695 #2 #3	doj. Set
Ecpt Doc Document Profile Profile Generator Ont Cat Total W DCS Sched Federal EPA List List Number Sales Inveicing Customer & Code Quan. V Units PCB Cat Waste Status	ADEN #
1 1 601537115GBF CM9079 AMMISTOM PCB SITE 1 DT 18600.88 K Wilogram Y PLFS GC Undeterminable AMMISTOM AL SUBCC Value - NO	273112-4611
Doc Seq F 1 ENS SCHUTIA P.G. Num Schooled Date 87/18/11 Time 15:38 968928-1	COD Req'd
>51% CR <51% DEBRIS (CIRCLE) PREFILLED VALLET Y OR R (CIRCLE) >51% GR <51% MAC 10% INSPECTION (CIRCLE)	11 347 4 0 1b 6
SALE MATERIAL OBLY: SAMPLED/INSPECTED PRE LIGHIDS DETECTED? SELECT SATERIAL/MON-SELECT MATERIAL VIEW DISPERSAL NATERIAL? VES / NO	
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		702 CLYDESDALE AV	VE		120 @	SNOW	REEK	BRIDG	E PROJEC	ां
		ANNISTON AL 36201 erator's Phone: (501)80	37-1187		ANNI	STON AL	36201			<u>. </u>
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

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Dorothy Wiver, Recordkeeping and Reporting Supervisor

August 04, 2011

OSD Unique ID Cont # Profile Disposed Description
5/25/11 001537113GBF-01 1 CM9879 7/20/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1

Manifest: 001537113GBF-1

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	ederal EFA ID ALROGOGG7237 WE Controlled	·	** VEIGHT SUMMARY ** Gross 76380 00 Tare .00 Net .00 Adj. Ret .00
East Doc Document Profile Profile Generator Last Last Musher Sales Invoicing Costons	r / Code Suga: V Daite PCB Cat	Pederol EFA Veste Status	ADER C
1 1 88153711368F CN9879 ANNISTON PCB SITE CAFORD AL CIRCLE Doc Seq # 1 ENE SOLUTIA Scheduled Date 67/19/11 1 >51% OE <51% DEERIS (CIRCLE) FREFILLED VAULT Y OR B (CIRCLE) >51% OR <51% BAC 16% IESPECTION (CIRCLE)	1 DT 18899.09 K Kilogram Y PLF8 SURCC Falue - NO P.O. Eus	Undeterminable TV19.2991	973112-A011
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537116GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

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Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 21, 2011

OSD Unique ID Cont # Profile Disposed Description
5/26/11 001537116GBF-01 1 CM9879 7/20/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537116GBF-1

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	15	. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that	the contents of this consignment are fully	and accurately described abo	ve by the proper shippin	g name, and are classified, packaged,							
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Waste Management, Inc. Emelle Pacility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

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Dorothy Oliver, Record esping and Reporting Supervisor

July 21, 2011

OSD Unique ID Cont # Profile Disposed Description
5/26/11 001537117GBF-01 1 CM9879 7/20/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537117GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

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5/25/11 001537118GBF-01 1 CM9879 7/20/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537118GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537119GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the posons who, acting under my first instructions, made the werification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 25, 2011

OSD Unique ID Cont # Profile Disposed Description
5/25/11 001537119GBF-01 1 CM9879 7/20/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537119GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537120GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the pesons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

Dorothy Oliver, Record reeping and Reporting Supervisor

July 21, 2011

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 Unique ID
 Cont # Profile
 Disposed
 Description

 5/25/11
 001537120GBF-01
 1 CM9879
 7/20/11
 ANNISTON PCB SITE CONSENT DECR

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

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Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537121GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my first instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor July 26, 2011

OSD Unique ID Cont # Profile Disposed Description
5/6/11 001537121GBF-01 1 CM9879 7/25/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537121GBF-1

ereen korolot to 401006 ennen CVS. INC. - EMELLE Page - 1 TA SELIGET SURRANT AN Date/Time In 7/21/11 10:25 Federal EPA ID ALRODOM7237 Stosa 72780.60 Load Type Dumpa Transporter ACTION RESOURCES INC CWR Controlled îare . 協創 346 . 60 HANCEVILLE AG 1. 80 idj. Het Truck Rusber 970 Trailer/Contor #1 694 **≨**2 **60** Ropt Sec Document Profile Profile Generator Cot Cat Total V DCS Sched Pederal CPA Lof Lof Number Sales Invoicing Customer & Code Quan. Y Units PCB Cat Weste Status I DT 1888.00 K Kilogram T PLFB GC Undeterminable 1 1 BR1537121GBF CM9879 ARRISTON PCB SITE 073112-M11 LEXISTER AL SUBCE Value - NO Dog Seg # 1 EME SCAUTIA P.O. Eus 7/21/2011 33060 lb/6 Scheduled Date 87/21/11 Time 15:38 968920-10 11:35 2512 CER <512 DEERIS (CIRCLE) PREFILLED VAULT Y OR R (CIRCLE) >51% OR <51% NAC 10% TREPECTION (CIRCLE) BULE MATERIAL ONLY: FREE LIQUIDS DETECTED: YES / M SAMPLED/INSPECTED STREET NATERIAL/HON-SELECT NATERIAL VIHO DISPOSAL BATERIAL - TES / 901 PRYSTCAL DESCRIPTION OF VASTS: I PHIS. DESCRIPTION SFOT SAMPLE: Bit-RAD. SCREEN POS NES TOWN SCREEN POS NEED
RESS SOL. S F PT/SOL aze empleep. No eme escats on (PAPER) CH SCREEN + - SHIFTER SCREEN + - | ADDITIONAL ARMITTUL SEDIDI_T errie: PCG CONC. (PFN) SULFIDE (9030) INDO BY KF CYCKIDE (9010) TAB WASTE Y R PAINT FILTER TEST/ P F SPEC. GRAVITY BUZ COMC. PPM CONSESTS: (SAFETY/OPERATIONAL) COMPAT. TEST W/ ON RAW ADD'L SPOT SAMPLE ATTACHED? Y N disposal method: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 SM1-PTA 8-PIN OTHER P-ST-5/PT ST-8 ST-8/PT BIC BEC (RAC INSPECT) F THE SP-YS PCB-BAC P-MAC P-ST-0 P-ST-0/PT YS-3 YS-5 YS-8 INDICATOR PARAMETER VILL BE CIRCLED D-MAG LOADS REQUIRING INSPECTION TRAT ARE FOUND TO BY LOSS THAN SLY HUST RETURNED TO LAB AND PLACED ON WILD. released for disposal by: Date:

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		WASTE MANIFEST EXEMPT Generator's Name and Mailing Address		Generator	's Sile Address (if	different than			123	UDF
		Generator's Name and Malling Address SOLUTIA, INC - ANNISTON 702 CLYDESDALE AVE	PCB SITE				PCB SITE		E PROJEC	- <u>-</u>
		ANNISTON AL 36201		i			AL 36201	DIVIDOS	r 1 vw oec v	<i>*</i> 1
		Transporter 1 Company Name					U.S. EPA ID No			,
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	fs.	Hansportar z Company Name :		•			U,S. EFAID IN	นแทยเ		
	8.	Designated Facility Name and Site Address	HEMICAÉ WASTE	MANAGEMEN	T INC.	7	U.S, EPA ID No	umber		***************************************
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		marked and labeled/placarded, and are in all respects in Exporter, I certify that the contents of this consignment I certify that the waste minimization statement identified	conform to the terms of the attac	hed EPA Acknowledgment	of Consent.			. н ехроп ѕпр	mentano i am in	a Primary
	G	enerator's/Offeror's Printed/Typed Name	1 11 40 01 16 202.21 (a) (ii 1 a) a 1	Signature	7,1	quantity ge	ierator) is true.	·····	Month	Day Year
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3		7. Transporter Acknowledgment of Receipt of Materials				.Y				
POR		ransporter 1 Printed/Typed Name THOMAS C MAD/SON		Signature	ar	n.l.			Month	Day Year
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FSIG	1	Hazardous Waste Report Management Method Codes (I 12	e., codes for hazardous waste to		cycling systems)		- 14		***************************************	
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		Designated Facility Owner or Operator: Certification of registed/Typed Name	ceipt of hazardous materials cov		pt as poted in Item	18a			110	D-4 1/-
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

Attn: DONN WILLIAMS

ANNISTON, AL 36201

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537123GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the pesons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordiceping and Reporting Supervisor

July 26, 2011

Page 1 of 1

OSD Unique ID Cont # Profile Disposed Description
5/6/11 001537123GBF-01 1 CM9879 7/25/11 ANNISTON PCB SITE CONSENT DECR

Manifest: 001537123GBF-1

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O/PT ST-5 ST-5/PT P-ST-5 SMI-PTA B-PIN STE F INC SP-YS PCB-HAC P-NAC		
	Controlled FREE LIGUIDS DETECTED: VIND DISPERSAL MATERIAL: TAB VASTE I BENZ COME. PPN	Controlled #2 #3 Cont Cot Tetal # DCS Sched Federal EPA # Code Guan. Y Units PCB Cat Waste Status 1 DT 18000.00 N Kilogram Y PLFE GC Undeterminable SUBCC Value - NO P.O. Num 7/21/2011 11:39 FREE LIGHTS DETECTED: YES / NO YIND DISPERSAL HATERIAL? YES / NO SAMPLER/APPRO DESCRIPTION ### VASTE T N DEZ CONC. PPH ### DEZ CONC. PPH 3/PT ST-5 ST-S/FT P-ST-5 S01-PTA B-PIB GIBER F INC SP-VS PCB-EAC P-NAC

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 25, 2011

OSD	Unique ID	Cont#	Profile	Disposed	Description
5/26/11	001537122GBF-01	1	CM9879	7/22/11	ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537122GBF-1

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SAMPLED/INSPECTED SELECT MATERIAL/MON-SELECT MAYERIAL	FREE LIGHTES DETECTED? YES / NO VIND DISPERSAL NATERIAL? YES / NO	
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IGN. SCREEN POS NEG IGN. SCREEN POS NEG 120 SOL. S P PY/SOL 128 RNN/TENP. BO RXR REACTS ph (PAPER) CR SCREEN + - SULFIDE SCREEN + - ADDITIONAL ARALYTICAL REG'D' Y B DESCRIBE: PCB CORC. (PPN) SULFIDE (9030) THZO BY KF CYARIDE (9810) PAINT FILTER TEST/ P F SPEC. SRAYITY CONHERTS: (SAFETY/OPERATIONAL)	TAB WASTE Y W ERZ CONC. PPH	
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	1 <u>4.</u>	Special Handling Instructio	ns and Additional Infor G-171	mation PO#	45039886)55	,L	OSD	5	-26-	11			<u> </u>
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	15.	GENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste mi	arded, and are in all res	spects in proper conditions to the	ion for transport act	cording to applicable ed EPA Acknowledgr	international a nent of Conser	nd nation nt.	al governn	nental regulations	nipping name , if export sh	e, and are clas hipment and I	sified, pack am the Prim	taged, nary
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don	X	nsporter 2 Printed/Typed N	MANISON Iame	·		Signatu	re Te		yan	2		Moi	nth Day	y Year
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S. C.	19.	Hazardous Waste Report	Management Method C	Codes (I.e., codes for h	azardous waste tre	eatment, disposal, ar	d recycling sys	tems)						
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		Designated Facility Owne	r or Operator; Certificat	lon of receipt of hazard	dous materials cove	ered by the manifest	except as note	d in Item	18a		***************************************			
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

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Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 25, 2011

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5/26/11 001537124GBF-01 1 CM9879 7/22/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537124GBF-1

:26

CVN, INC ENELLE *** **** Bocolist & 481853 ****	fage - i
Load Type Dumps Federal EPA ID ALEXANITZ37 Gress Transporter ACTION RESOurces INC COntrolled NANCEVILLE AL Mat.	25 . 22 .
Truck Number 950 Treiler/Contar #1 327 #2 #3 Mdj.	let .00
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1 1 001537124GBF CN9879 AERISTON PCB SITE 1 DT 18009.00 E Rilogram V PLFB GC Undeterminable ARRISTON AL SUBCC Value - RD	873112-6911
Doc Seq # 1	60 1500 3800
>51% OR <51% NAC 10% INSPECTION (GIRGLE) BULK NATERIAL ORLY:	· ·
SAMPLED/IMSPECTED FREE LIQUIDS DETECTED? YES / NO SELECT MATERIAL NINC DISPERSAL MATERIAL? YES / NO	
PHYSICAL DESCRIPTION OF WASTE:	
SPOT SAMPLE: Bit- PHYS. DESCRIPTION RAD. SCREEN POS NEG HZO SOL. S F PT/SOL HZO RXN/TEMP. NO RAN REACTS ph (PAPER) CR SCREEN + SULFIDE SCREEN + ADDITIONAL ANALYTICAL REG'D: Y N DESCRIBE: PCE CORC. (PPW) SULFIDE (9630) TAB WASTE Y N PAINT FILTER TEST/ P F SPEC. GRAVITY BNZ CONC. PPh COMMENTS: (SAFETY/OPERATIONAL)	
COMPAT. TEST V/ OR PAN	Separate series de l'appropriet de la la la la la la la la la la la la la
ADD'L SPOT SAMPLE ATTACHED: Y N DISPOSAL NETHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 ST-5/PT P-ST-5 SML-PTA 8-PIN OTHER P-ST-8/PT ST-8 ST-8/PT NIC HAC (HAC INSPECT) PINC SP-VS PCB-HAC P-HAC P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8 INDICATOR PARAMETER VILL BE CIRCLED R-EAC LOADS REQUISING INSPECTION THAT ARE FOUND TO BE LESS THAN 51% HUST BE RETURNED TO LAB AND PLACED ON HOLD. RELEASED FOR DISPOSAL BY: DATE:	

Ple	ase p	rint or type. (Form designed for use on ellte (12-pitch) typewriter.)						"Form /	Approved."	DMB No. 2	2050-0039
1	l Y	FORM HAZARDOUS 1. Generator ID Number VASTE MANIFEST EXEMPT	1	•	ency Responsé		4. Manifest Tr	153	712	5 (BF
	5. G	enerator's Name and Mailling Address SOLUTIA, INC - ANNISTON PCB SITE		Generator	's Site Address (if different th	an mailing address PCB SITE	g.,			
-		702 CLYDESDALE AVE					WCREEK		EPRO	JECT	
		ANNISTON AL 36201 erator's Phone: (601)807-1187			ANN	NOTEIN	I AL 3 62 01				
	6. Tr	ransporter 1 Company Name ACTION RESOURCES, INC.	•				Ü.S. EPA ID No		000072	27 *	
	7. 1	ransporter 2 Company Name			<u> </u>		U.S. EPA ID NO				
	L.	esignated Facility Name and Site Address		•							
$\ \ $	0. 0	CHEMICAL WASTE	VANAGE	MEN	T, INC.		U.S. EPÁ 10 No	ımber			
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	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		-	10. Contain No.	ers Type	11, Total Quantity	12. Unit Wt:/Vol.	13. \	Vaste Code	5
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	14.	Special Handling Instructions and Additional Information PO#. 45039686	SE.		OSI	ν.	5-26	_//	1		
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							CHEMTRE	•			•
	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this marked and labeled/placarded, and are in all respects in proper condition for transport according to the content of the c	cording to applic	ahle inter	national and natio	cribed above	e by the proper ship pental regulations.	pping name,	and are clas	ssified, pack	aged,
		Exporter, I certify that the contents of this consignment conform to the terms of the attache I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large	ed EPA Acknow	ledoment :	of Consent			+		ant bio i iai	ury
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Ł	18b.	Alternale Facility (or Generator)	(************************************	INICI	inesi i teleferice	HUIIDGI.	U.S. EPA ID N	Umber			
FAC	Facil	lity's Phone:					ı				
Œ		Signature of Alternate Facility (or Generator)	 				L		Mo	nth Da	y Year
DESIGNATED FACILITY	10 1	Payardous Waste Deport Management Method Code ()									
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	20. D	Designate): Facility Owner or Operator: Certification of receipt of hazardous materials covere of Typen Name		est except	as noted in item	18a	10.1		Moi	nth Day	Year
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537125GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Record Reporting Supervisor

July 25, 2011

OSDUnique IDCont #ProfileDisposedDescription5/26/11001537125GBF-011CM98797/22/11ANNISTON PCB SITE CONSENT DECR

Manifest: 001537125GBF-1

Page 1 of 1

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved: QMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 4. Manifest Tracking Number UNIFORM HAZARDOUS GBF 00153 WASTE MANIFEST EXEMPT Generator's Name and Malling Address Generator's Site Address (if different than mailing address) SOLUTIA, INC - ANNISTON PCB SITE ANNISTON PCB SITE 702 CLYDESDALE AVE 120 @ SNOW CREEK BRIDGE PROJECT ANNISTON AL 36201 s Phone: (601)807-1187 ANNISTON AL 36201 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number ACTION RESOURCES, INC. ALR000007237 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000622464 Facility's Phon (205) 852-9721 EMELLE AL 35459 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a, 12. Unif 11. Total 13. Waste Codes HM and Packing Group (if any)) Quantity Na. Туре Wt./Vol. RQ,POLYCHLORINATED BIPHENYLS,SOLID,9,UN3432,III Х GENERATOR 001 DT 40000| CM9879 14. Special Handling Instructions and Additional Information 5-26-11 PO#: 4503968655 OSD: ERI PROVIDER: CHEMTREC (VM CONTRACT) 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (If I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Month Day DONN WILLIAMS 16. International Shipments E Import to U.S. JExport from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. TR ANSPORTER 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month Day Year Month Day 18. Discrepancy 18a, Discrepancy Indication Space Full Rejection Partial Rejection 18b. Alternate Facility (or Generator) DESIGNATED FACILITY U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Year Month Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete,

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537126GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, RecordReeping and Reporting Supervisor

July 26, 2011

OSDUnique IDCont #ProfileDisposedDescription5/26/11001537126GBF-011CM98797/25/11ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537126GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

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Attn: DONN WILLIAMS

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Dorothy Oliver, Record Reeping and Reporting Supervisor

July 26, 2011

OSD Unique ID Cont # Profile Disposed Description
5/26/11 001537127GBF-01 1 CM9879 7/25/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537127GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

ANNIBION, ALI JOZOI

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537128GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was

landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Record deping and Reporting Supervisor

July 27, 2011

Page 1 of 1

OSD	Unique ID	Cont#	Profile	Disposed	Description
5/26/11	001537128GBF-01	1	CM9879	7/26/11	ANNISTON PCB SITE CONSENT DECR

Manifest: 001537128GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

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Dorothy Oliver, Recordkeeping and Reporting Supervisor July 27, 2011

OSDUnique IDCont #ProfileDisposedDescription6/2/11001537129GBF-011CM98797/26/11ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537129GBF-1

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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

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Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 28, 2011

OSD Unique ID Cont# Profile Disposed Description
6/2/11 001537130GBF-01 1 CM9879 7/27/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537130GBF-1



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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537131GBF-1

Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver/Recordkeeping and Reporting Supervisor

July 28, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001537131GBF-01 1 CM9879 7/27/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537131GBF-1



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	15.	GENERATOR'S/OFFERO	OR'S CERTIFICATION: I hereby declare that the	e contents of this consignment				-		•	
		marked and labeled/place Exporter, I certify that the I certify that the weste min	arded, and are in all respects in proper condition contents of this consignment conform to the ter inimization statement identified in 40 CFR 262.27	for transport according to appli- ns of the attached EPA Acknow	cable international an ledgment of Consent	d national goven	nmental regulations	. If export sh	ipment and I am	the Prima	iry
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537132GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

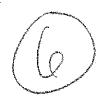
Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

July 28, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001537132GBF-01 1 CM9879 7/27/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537132GBF-1



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THE THE PROPERTY SARAH	
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1 1 001537132GBF CH9873 AERISTOR PCE SITE 1 DT 18898.58 % Kilograw % PLFE GC Undeterminable ARRISTOR AL SURCC Value - NO Doc Seq # 1 EXE SOLUTIA P.O. Non >511 OR <511 DEBRIS (CIRCLE) >515 OR <511 RAC 18% INSPECTION (CIRCLE)	073112-A911 COD Reg'd
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ACD'L SPOT SAMPLE ATTACHED? Y N DISPOSAL BETROD: S SP ST-3 ST-3/PT P-ST-3 P-ST/3/PT ST-5 ST-5/PT P-ST-3 S01-PTA B-PIN OTHER P-ST-5/PT ST-0 ST-8/PT BIC MAC (MAC INSPECT) F INC SP-VS PCB-MAC P-MAC P-ST-8 P-ST-8/PT VS-3 VS-5 VS-0 INDICATOR PARAMETER WILL BE CIRCLED D-MAC LOADS REQUIRING INSPECTION THAT AND FOUND TO BE LESS THAN SIX HUST BE RETURNED TO LAB AND FLACED ON BOLD. RELEASED FOR DISPOSAL BY: DATE:	

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1			HIGH	WAY 17 NOR						ልርሮነር	0062246	A	
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		marked and labeled/plac Exporter, I certify that the	arded, and are in all respects in prop e contents of this consignment confo	er condition for transpo rm to the terms of the at	rt according to applic tached EPA Acknowl	cable intern ledgment o	national and national consent.	onal govern	mental regulations	. If export sh	ipment and I ar	n the Prima	ry 📑
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	_	Designated Facility Ownered/Typed Name	r or Operator: Certification of receipt	of hazardous materials		ifest excep	ot as noted in Item	m 18a	, ,		Z/ Man	th Devr) Year
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

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Dorothy Oliver Recordkeeping and Reporting Supervisor

August 01, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001537133GBF-01 1 CM9879 7/28/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537133GBF-1



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CNE, INC ERELLE	tores Receipt & ARITE vases	Page - 1
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	Cut Cat Total V DCS Sched Federal EPA # Code Quan. V Units PCB Cat Waste Status	APER &
ANNISTER AL	1 DT 18 000.00 K Kilogram T PLFB GC Undeterminable SUBCC Value - NO	673112-A011
Doc Seq # 1 EME SOLUTIA >51% OR <51% DEBMIS (CIRCLE)	F.O. Num	COD Boog'd
PREFILLED VAULT Y OR R (CIRCLE) >51% OR <51% RAC 10% IMPRECTION (CIRCLE)		
BURN NATERIAL COLY:	STATE SEMINATE SEMINATE SEMINATION OF THE SEMINATION AS A SEMINATE OF THE SEMI	45340
SAMPLED/INSPECTED SELECT NATERIAL/SON-SPLECT MATERIAL	FREE LIQUIDS DETECTED? YES / NO YES / NO YES / NO	45340 20,566kg
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Form Approved, OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 2. Page 1 of 4. Manifest Tracking Number 1. Generator ID Number 3. Emergency Response Phone UNIFORM HAZARDOUS GBF WASTE MANIFEST 1 EXEMPT Generator's Site Address (if different than mailing address) 5. Generator's Name and Mailing Address SOLUTIA, INC - ANNISTON PCB SITE ANNISTON PCB SITE 120 @ SNOW CREEK BRIDGE PROJECT 702 CLYDESDALE AVE ANNISTON AL 36201 s Phone: (601)807-1187 ANNISTON AL 36201 Generator's Phone: U.S. EPA ID Number 6. Transporter 1 Company Name ALR000007237 ACTION RESOURCES, INC. U.S. EPA ID Number 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822464 Facility's Phon (205) 852-9721 EMELLE AL 35459 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 9a. 13 Waste Codes Wt./Vol. and Packing Group (if any)) No. Type Quantity НМ RQ.POLYCHLORINATED BIPHENYLS, SOLID, 9, UN3432, III Х 18000 K 001 DT GENERATOR CM9879 OSD: 6-2-11 PO#: 4503968655 ERI PROVIDER: CHEMTREC (VMI CONTRACT) 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name DONN WILLIAMS 16. International Shipments Export from U.S. Port of entry/exit Import to U.S. È Date leaving U.S. Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Transporter 2 Printed/Typed Name K 18. Discrepancy 18a. Discrepancy Indication Space Туре Partial Rejection _ Full Rejection Residue Manifest Reference Number: U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: Year Day Month 18c. Signature of Alternate Facility (or Generator) DESIGNATED 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPA Form 8700-22 (Rev/3-05) Previous editions are obsolete.

Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537134GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

August 01, 2011

OSDUnique IDCont #ProfileDisposedDescription6/2/11001537134GBF-011CM98797/28/11ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537134GBF-1

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DÉSIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

W IVI
Waste Management, Inc.
Emelle Facility
P.O. Box 55

Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537135GBF-1

Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the posons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

Dorothy Oliver Recordkeeping and Reporting Supervisor

August 01, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001537135GBF-01 1 CM9879 7/28/11 ANNISTON PCB SITE CONSENT DECR

Manifest 001537135GBF-1

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	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment	t are fully	and accurately de	scribed abo	ve by the proper sh	pping name	e, and are classif	ed, packag	jed,
		marked and labeled/placarded, and are in all respects in proper condition for transport according to app. Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAckno	wiedgmei	nt of Consent.			, If export sh	nipment and I am	the Primary	у
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

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August 01, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001537136GBF-01 1 CM9879 7/29/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537136GBF-1

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Date/Time In 7/29/11 10:29 Load Type Dumps Federal E Transporter ACTION RESOURCES INC CAN Contr HAMCEVILLE AL	PA ID ALROSSESS7237 colled	** WEIGHT SUMMARY ** Gross 61720.00 Tare .00 Ret .00 Adj00
Truck Awaher 139 Trailer/Contac & 321	12 #3	idi. Ket
Ropt Doc Document Profile Profile Generator Col Lat Lot Number Sales Invoicing Customer	t Cot Total W DCS Sched F & Code Duma. V Units PCB Cat W	eders! EPA leste Status ADEA #
1 1 001537136GBF CH3879 ARRISTON PCB SITE ARRISTON AL Doc Seq # 1 EME SULUTIA Scheduled Date 07/29/11 Time 15:: >512 OR <51% DEBRIS (CINCLE) PREFILLED VAULT Y OR # (CIRCLE) >512 OR <51% NAC 162 INSPECTION (CIRCLE)	i DT 18 000 .00 K Kilogr am 7 PLFB GC SV 8 CC Value - BC P.O. Sum	Undeterminable 673112-A011
BULK NATERIAL DELT: SASPLED/INSPECTED SELECT NATERIAL/SUN-SELECT NATERIAL	FREE LICUIDS DETECTED?	PES / NO YES / NO
PHYSICAL DESCRIPTION OF WASTE:		SAMPLER/APPRINAL
SPOT SAMPLE: B11- PRYS. DEBC RAD. SCREEN POS NES TOW. SCREEN POS NES E2# SOL. S F PT/SOL E2# REN/TEMP. NO RIN NEACTS PA (PAPER) CH SCREEN - SULFIDE SCREEN + ADDITIONAL ANALYTICAL REG'DT Y R	RIPTICE TAB MACTE M DRZ CIEC M DRZ CIEC	
COMPAT. TEST WY OR RYM ADD'L SPOT SAMPLE ATTACHEDA Y B DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT P-ST-5/PT ST-8 ST-8/PT KIC MAC (BAC IMSPECT) F INC P-ST-8 P-ST-8/PT VS-3 VS-5 VS-8 INDICATUR PARAMETER WILL BE CIRCLED B-KAC LOADS REQUIRING IMSPECTION THAT ARE FOUND TO B BE RETURNED TO LAR AND PLACED ON MOLD. RELEASED FOR DISPUSAL BY:	ST-S ST-5/PT P-ST-5 SBI-PTA B-PIN OTHE SP-YS PCB-BAC P-BAC	The second control of the second of the seco

Plea	se p	rint or type. (Form designed for	use on elite (12-pitch) typewriter.							Form A	proved. O	MB No. 20	50-0039	
1	UN \	IFORM HAZARDOUS 1. Gene VASTE MANIFEST	erator ID Number EXEMPT	2.	Page 1 of	3. Emerge	ency Response F	hone	4. Manifest Tr	L53	13	7 G	BF	
	5. 0	enerator's Name and Mailing Addres SOLUTIA, INC -	SANNISTON PCB SIT	E		Generator's	s Site Address (i	different that	mailing address)				
		702 CLYDESDA	LE AVE	_					V CREEK	BRIDGI	E PRO.	ECT		
	0	ANNISTON AL 3	36201 01)807-1187		1				AL 36201					
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		ACTION RESC	OURCES, INC.							ALROC	1000723	37		
	7. 1	ransporter 2 Company Name							U.S. EPA ID No	ımber				
	Q r	Designated Facility Name and Site Ad	Adroce						U.S. EPA ID No	mhar				
	0.1	CHEMICAL WASTE MANAGEMENT, INC.							O.O. LI A ID 14	ilino.				
				17 NORTH,	MILE	MARK	ER 163		•	ALDOO	1062241	94		
	Fac	(205)852-9721	EMELLE A	T 30408										
		9a. 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, 10, Containers								12. Unit	13. W	aste Codes		
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0 8	1	APINO ATABIA IA PETRANIS A	"DTIFICATION: Therefore James the	the contouts of this						HEMTREC (WM CONTRACT) by the proper shipping hame, and are classified, packaged,				
$\ \ $. 119	marked and labeled/placarded, ar	nd are in all respects in proper conditi	ion for transport accor	ding to app	licable inter	national and nati	onal governm	ental regulations.	If export ship	ment and I a	am the Prim	ageo, ary	
$\ \cdot\ $		Exporter, I certify that the contents I certify that the waste minimization	is of this consignment conform to the 1 on statement identified in 40 CFR 262	terms of the attached L27(a) (if I am a large	ePA Ackno quantity ge	wiedgment nerator) or	of Consent. (b) (if Lam a sma	all quantity ge	nerator) is true.		÷			
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ď	17	. Transporter Acknowledgment of Rec	*************************************	······································	·		Date leav	ing O.O.				, m, m, m, m, m, m, m, m, m, m, m, m, m,		
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DESIGNATED FACILITY	15		mient Method Codes (i.e., codes for h	azardous waste treatr	nent _i dispo	sal, and rec	ycling systems)		4.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			······································	
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

Attn: DONN WILLIAMS

ANNISTON, AL 36201

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001537137GBF-1 Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the pesons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

August 01, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001537137GBF-01 1 CM9879 7/29/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001537137GBF-1



Bockipt # 481255 ##### Page -OM, INC. - EXCLE ** WEIGHT CAMMANY ** Date/Time In 7/29/11 10:55 Graes 77122.66 Federal EPA ID ALBEMS97237 Load Type Dueus . 80 Tare Transporter ACTION RESAURCES INC Tet HANCEVILLE <u> 61.</u> Mi. 0.6 kdj. Bet . 89 Trailer/Contor #1 %1 **\$**.2 \$ Z Truck Number 167 Root Doo Backment Profile Profile Generator Cot Cat Total W IMS School Federal EPA Gassa, V Units PCB Cat Vaste Status Ln# Ln# Rusber Sales Invoicing Customer # Code ADEN F **** any survivar or program description of the special contract of the special con 1 NT 1899.86 K Kilogram Y PLFE E Undeterminable 073112-A011 1 1 MAISTALARSEF CHERTS ANNISTON POR SITE SURIX Value - NO ARTEISTON AL P. C. Run CCO Req d Doc Seq # 1 EME SQLUTTA >51% OR <51% DEBRIS (CIRCLE) PREFILLED VAULT Y OR N (CINCLE) SHIR OR SHE HAC LOR INSPECTION (CIRCLE) BULK MATERIAL CHLT: 加、加 FREE LIGUIDS DETECTED? SAMPLED/INSPECTED SELECT RATERIAL/NOR-SELECT BATERIAL VIND DISPERSAL BATERIAL? YES / NO PETE DESCRIPTION SPOT SAMPLE: _____BII-POS NEG RAD. SCREEN Pros Mes TON. SCREEN S F PT/SOL 929 SNL RIGH RAN/TEEP. BU RAN REACTS on (PAPER) CH_SCREER - - SULFIDE SCREER - - | ADDITIONAL ANALYTICAL PROPERTY DESCRIBE: PCB CONC. (PPn) SEFTE (9000)

CTANIDE (9010)

TAB WASTE Y H 1820 BY AF PAINT FILTER TEST/ P F SPEX. GRAVITY BNZ COSC. PPE CONTENTS: (SAFETY/OPERATIONAL) COMPAT. TEST VI

DISPOSAL NETHON: S SP ST-3 ST-3/PT P-ST-3 P-ST-2/PT ST-5 ST-5/PT P-ST-5 SNI-PTA N-PIN OTHER

P-ST-5/PT ST-8 ST-8/PT ATC MIC MAC MASPECT) P INC SP-VS POR-MIC P-MAC

B-RAC LOADS REGATETED INSPECTION THAT ARE FORMS TO BE LESS THAN SAI MEST

RELEASED FOR DISPOSAL RF: DATE:

BE SETURATED TO LAS AND PLACED OR BOLD.

AND'L SPOT SAMPLE ATTACKED? T H

P-ST-8 P-ST-0/PT VS-3 VS-5 VS-8
INDICATOR PARAMETER WILL BE CINCLED -

Plea		print or type. (Form designed for use on elite (12-pitch) typewriter.)		y				: Ferm #	Approved. OMB	No. 2050-0039	
1		NIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST EXEMPT	2. Page 1 of		jency Response P			161	0938	GBF	
		Generator's Name and Mailing Address SOLUTIA, INC - ANNISTON PCB SITE 702 CLYDESDALE AVE ANNISTON AL 36201 enerator's Phone: (601)807-1187	Generalo	120 (<u>č</u>	STON F SNOV	CB SITE	CB SITE *** CREEK BRIDGE PROJECT				
	6.	Transporter 1 Company Name ACTION RESOURCES, INC.					U.S. EPA ID No		00007237	*	
	7.	Transporter 2 Company Name				 	U.S. EPA ID Nu		00001.524		
		Designated Facility Name and Site Address CHEMICAL WASTE HIGHWAY 17 NORT acility's Phone (205)852-9721 EMELLE AL 35459		U.S. EPA ID No							
	ç	a, 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, iD Number and Packing Group (if any))		,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	e Codes	
æ	5	RQ,POLYCHLORINATED BIPHENYLS,SOLID	,9,UN34:	32,111	001	от	18000	К			
GENERATOR			CM9	879	351		, 0000	·``			
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	1	4. Special Handling Instructions and Additional Information PO# 4503930	750	-4	osi	D: 6/	12/11 JB 7/291	L			
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	L	·							4 CONTRA		
	1	5. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the marked and labeled/placarded, and are in all respects in proper condition for transport as Exporter, I certify that the contents of this consignment conform to the terms of the attact I certify that the waste minimization statement Identified in 40 CFR 262.27(a) (if I am a later.)	ccording to app hed EPA Ackno	ollcable inte owledgmen	ernational and nati t of Consent.	onal governm	ental regulations,	ipping name if export shi	, and are classific ipment and I am th	id, packaged, he Primary	
	l	ienerator's/Offeror's Printed/Typed Name DONN WLLIAMS	s 	ignature D	Will	ans	TH		Month	Day Year 19	
INTL	: 1	6. International Shipments Import to U.S.	Export from	ı U.S.	Port of en	try/exit:					
	_	Fransporter signature (for exports only): 7. Transporter Acknowledgment of Receipt of Materials			Date leavi	ng U.S.:					
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ÌĔ	1	8b. Alternate Facility (or Generator)			India de la parte	* * * * * * * * * * * * * * * * * * *	U.S. EPA ID 1	Vumber			
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DESIGNATED FACILITY	1	9. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste tr			cycling systems)	-1111	1,				
		H132	. 3				4.				
		00. Designated Facility Owner or Operator: Certification of receipt of hazardous materials cov		anlfest exce Signature	edt as noted in Iter	ni 18a	/ /		y Month	Day Year	
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

Attn: DONN WILLIAMS

ANNISTON, AL 36201

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

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Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver Recordkeeping and Reporting Supervisor

August 01, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001610938GBF-01 1 CM9879 7/29/11 ANNISTON PCB SITE CONSENT DECR

Manifest: 001610938GBF-1

Page 1 of 1

CHE, INC FIGURE	erer Receipt # 481261 ****	Page -
Date/Time In 7/29/11 11:41 Losd Type Dumps Fed Transporter ACTION RESOURCES INC HARCEVILLE AL	teral EPA ID ALRESSOS7237	** WEIGHT SUMMARY ** Gross 69808.00 Tere .00 Det .00 Adi00
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Ropt Doc Document Profile Frofile Generator Las Las Number Sales Involving Costomer	Cnt Cnt Total V DCS School F & Code Quan. V Units PCB Cat V	Federal EPA Masia Status ADEM A
1 1 001610930GBF CN9079 ARRISTON PCG SITE ABBISTOR 41 BOC Seq # 1 EME SULUTIA >51% OR <51% DEBRIS (CIPCLE) PREFILLED VAULT Y OR N (CIPCLE) >51% OR <51% HAC 16% INSPECTION (CIPCLE)	1 DT 1988A.SG K Eilogram Y PLFB SC SUBCC Talue - NO P.G. Rum	Undeterminable 873112-A611 COD Req'd
BULK MATERIAL OWLY:	FREE LIGUIDS DETECTED? WIND DISPERSAL MATERIAL!	TES / NO TES / NO
PRESIDAL DESCRIPTION OF VASTE:		SARPLER/APPROVAL_
PART FILTE TEST / P F SPEC SEAFTY		
COMPAT. TEST W/ OF RAN_ ADD'L STOT SAMPLE ATTACHED! Y _ B DISPOSAL METHOD: S SP ST-3 ST-3/PT P-ST-3 P-ST P-ST-3/PT ST-8 ST-8/PT NIC NAC (MAC INSPECT)	-3/PT ST-5 ST-5/PT P-ST-5 SW1-PTA 8-PIN CTEE	36,96 30,001b

RELEASED FOR DISPOSAL BY:

ise print (ned for use on elite (12-pitch) ty	pewriter.)						pproved. OM	B No. 2050	-0039
WAS	TE MANIFEST	1, Generator ID Number EXEMPT		1	mergency Response		4. Manifest Tr	161	0939) GB	} F
5. Gener	ators Name and Mailin	Address NC - ANNISTON PC	B SITË	Ger	erator's Site Address	(if different the	in mailing address PCB SITE)			
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	orter 1 Company Nami			<u> </u>		4111	U.S. EPA ID No		0000723	 7	
7. Trans	oorler 2 Company Nam		<u> </u>				U.S. EPA ID No	ттрег			
8. Desig	nated Facility Name an	d Site Address			· · · · · · · · · · · · · · · · · · ·	1	U.S. EPAID N	umber			
Facility's	Phone: 205)652-	HIGH	MICAL WASTE WAY 17 NORT LE AL 35458					ALD0	0062246	4	
9a.		on (including Proper Shipping Name	, Hazard Class, ID Number	er,	10. Conța No.	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13. Was	ste Codes	***************************************
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m É	arked and labeled/place coorler, I certify that the certify that the waste mi	OR'S CERTIFICATION: I hereby di arded, and are in all respects in proj contents of this consignment confo nimization statement identified in 40	er condition for transport rm to the terms of the atta	according to applicat sched EPA Acknowled	ie International and na gment of Consent. tor) or (b) (if I am a sn	ational govern	mental regulations	ipping name . If export shi	, and are classif pment and I am Month	the Primary	Year
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	rnational Shipments orter signature (for exp	Import to U.S. orts only):	١	Export from U.S		entry/exit: aving U.S.:	·				
17. Tra	nsporter Acknowledgme orter 1 Printed/Typed N	nt of Receipt of Materials		Signa	liro a	-	 		Month	Day	Year
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18b. A	ternate Facility (or Gen	erator)		•			Ü.S. EPA ID	Numoer			
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19. Ha	zardous Waste Report	Management Method Codes (i.e., c	odes for hazardous waste	treatment, dispoșal, 3.	and recycling systems	s)	4	ul-fu-t-u-smallerund-nerv	Hough Ann		
· L		r or Operator: Certification of receip	of hazardous materials o			item 18a		·	41-	\$h D	
	VOV	Bankhe	ad	Sign:	Judy	12-	Bank	Lead	$\begin{pmatrix} 1 \end{pmatrix}$	# Day	Yea
-A Form	oruu-22 (Rev. 3-05)	Previous editions are obsolete	· ·	Ð	ELIGNATED I	FACILITY	TO DESTI	MATION	STATE (F REQL	JIRE

 $\mathbf{W}\mathbf{M}$

Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

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Dorothy Oliver, Recordkeeping and Reporting Supervisor

August 02, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001610939GBF-01 1 CM9879 8/1/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest; 001610939GBF-1



:26

CWE, INC EXELLE ***** Receipt # ***** Receipt #	Page - 1
Date/Time In 8/81/11 18:53 Load Type Dumps Federal EPA ID ALROSSON7237 Transporter ACTION RESONACES INC HANCEVILLE AL Track Rumber 968 Trainer/Contac 81 322 62 63	FREIDET SHEKARY ** Gross 74820.0% Tare ,00 Bet .00 kij. 60t .00
Truck Rumber 968 Trailer/Contac #1 322 #2 #3	Will Mac
Rcpt Doc Document Profile Profile Generator Cot Cot Total V DCS Sched Federal EPA Low Low Number Sales Invoicing Customer & Code Guan. V Maits PCB Cat Masie Status	aden s
1 1 00161093958F CK9879 ARRISTOR PCB SITE 1 DT 18008.00 % Kilogram % PLFB GC Vadeterminable	\$73112~£011
ANNISTOR AL SUBCC Velue - NO	
Doc Seq # 1 SME SMLUTIA P.O. Nua	On Regist
>511 OR <514 DEBRIS (CIRCLE)	
PREFILLED VALLET VOR S (CIRCLE)	.4
>51% OR <51% BAC 18% INSPECTION (CINCLE)	procedure of the state of the s
BULK MATERIAL ORLY: SAMPLED/INSPECTED FREE LIQUIDS DETECTED? YES / NO	and the second
SELECT MATERIAL/NOR-SELECT MATERIAL PIND DISPERSAL MATERIAL? YES / NO	
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	5.	5. Generator's Name and Mailing Address, Generator's Site Address (if different than mailing address) SOLUTIA, INC - ANNISTON PCB SITE ANNISTON PCB SITE															
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001610940GBF-1

Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

August 02, 2011

OSD Unique ID Cont # Profile Disposed Description
6/2/11 001610940GBF-01 1 CM9879 8/1/11 ANNISTON PCB SITE CONSENT DECR

Page 1 of 1

Manifest: 001610940GBF-1



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	Gene	ANNISTON AL 36201 erator's Phone: (601)807-1187	ANA	IISTON	AL 36201					
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	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Numbe and Packing Group (if any))	ι,		10, Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA 702 CLYDESDALE AVE ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001610941GBF-1

Waste Management, Inc. hereby certifies that the above described material (exhuding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver, Recordkeeping and Reporting Supervisor

August 02, 2011

OSDUnique IDCont #ProfileDisposedDescription6/2/11001610941GBF-011CM98798/1/11ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001610941GBF-1



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		ACTION RESOURCES, INC.										0000072	137						
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Waste Management, Inc. Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

Manifest Document Number:

Site Information

SOLUTIA

702 CLYDESDALE AVE

ANNISTON PCB SITE I 20 @ SNOW CREEK BRIDGE

ANNISTON, AL 36201

ANNISTON, AL 36201

Attn: DONN WILLIAMS

CERTIFICATE OF DISPOSAL

Chemical Waste Management, Inc. (ALD000622464) has received PCB material from ANNISTON PCB SITE

as described on Hazardous Waste Manifest Number 001610942GBF-1
Waste Management, Inc. hereby certifies that the above described material (exluding PCB liquids, if applicable) was landfilled on the dates shown below, in compliance with State and Federal Regulations

Under civil and criminal penalties of law for the making or submission of falseor fraudulent statements or representation (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under-my direct instructions, made the verification that this information is true, accurate and complete.

Dorothy Oliver Recordkeeping and Reporting Supervisor

August 03, 2011

OSDUnique IDCont #ProfileDisposedDescription6/2/11001610942GBF-011CM98798/2/11ANNISTON PCB SITE CONSENT DECR

Page 1 of 1 Manifest: 001610942GBF-1

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Acept Doc Document Profile Profile Generator Cat Cat Total V DCS Sched Pederal EPA Low Law Number Sales Invoicing Customer & Code Guma. V Units PCB Cat Vaste Status ADEM & 1 1 031610942GBF C85879 ANNISTON PCB SITE 1 DT 10000.08 K Kilogram Y PLFB 6C Undeterminable 673112-AB11 ANNISTON AL SUBCC Value - NO Doc Sen # ; EME SOLUTIA P.O. Num	Load Type Transports	In 8/82/11 13:07 Dusps PT ACTION RESIDED DANCEVILLE	Fede JES INC ÅL	tel EPA ID ALROWA	pt # <u>48133</u> 987237	***************************************	·	Page - 1 ** VEIGHT SUMMARY ** Gross 73648.08 Tare .00 Est .08 Adj08 Adj08
I 1 GRISGRAZER CRESTS ARMISTON PCB SITE ARRISTON AL SWECT Value - RD ARRISTON AL SWECT Value - RD SUSCE Value - RD POSTICES SI ESE SOLUTIA P.O. Non CORRECT PREFILED VALLY YOR SI (CIRCLE) PREFILED VALLY YOR SI (CIRCLE) SIN OR SIX MAG ICM MESPECTION (CIRCLE) SERR MATERIAL ORLY: SAMPLED VINSPECTED FREE LIGHIDS DETECTED? SERRE ALTERIAL/RDR-SELECT RATERIAL WIND DISPERSAL MATERIAL? PREVIOUS DESCRIPTION OF WASTE: SAMPLER/APPROVAL SPOT SAMPLE: SII- FRYS DESCRIPTION INN SCREEM POS RES 1228 SUL S F PY/SOL 1208 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1209 REFITERP. SD EXM REACTS 1200 REFITERPR. SD EXM	Root Dac	Document Profil Number Sales	le Profile Generator Invoicing Customer	Cat Cat Tota # Gode Quas	ol V DCS			÷
SPOT SARPLE: 811- FHYS. BESCRIPTION RAD. SCREER POS NEG 1GH. SCREER POS NEG 828 SOL S F PI/SOL 828 SOL S F PI/SOL 820 EXEMITER, BO RAN REACTS ph (PAPER) CE SCREEN - SULFIDE SCREER - ADDITIONAL ARALITICAL REW'D! Y N DESCRIEE: 15,143 PCS CONC. IPPR: SULFIDE (9830) XH20 EY KF CYANIDE (9810) TAB WASTE Y N PAINT FILTER TEST/ P F SPEC. GRAVITY BNZ CONC. PPN COMMERTS: (SAPETY/OPERATIONAL) CEMPAT. TEST W/ OK EXN ADD'L SPOT SARPLE ATTACHED! Y N DISPOSAL METROD: 3 SP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-5 SST-5/PT P-ST-5 S81-PTA B-PIN OTHER P-ST-5/PT ST-8 ST-8/PT NIC NAC (NAC INSPECT) F INC SP-VS PCS-BAC P-NAC	Doc Ser >512 GR : FREFILLE: >512 GR : BULK NATI SAMPLED/	61034208F CHS879 Q # 1 ENE <51% DEDRIS (CIRC) D VAULT Y OR N (<51% HAC 10% INSPERIAL ONLY: INSPECTED	ANNISTON POB SITE ANNISTON AL SOLUTIA E) CIRCLE) ECTION (CIRCLE)	i ot 1000.0 Subcc 1 P.O. I	N Kilogra falue - MO Num IDS DETECTED?		Vedeterwinable YES / NO	673112-4811 COD Req '6
CA_SCHEEN SULFIDE SCREER - ADDITIONAL AMALITICAL REGIDT V N DESCRIBE: PCB COMC. (PPN) SULFIDE (9030) EH20 BY KF CYANIDE (9010) TAB WASTE V N PAIRT FILTER TESTV P F SPEC. SHAVITY DRZ CONC. PPN COMPAT. TEST W/ ON EXN ADD'L SPOT GAMPLE ATTACHED? V N DISPOSAL METHOD: S CP ST-3 ST-3/PT P-ST-3 P-ST-3/PT ST-S ST-5/PT P-ST-S S01-PTA B-PIN OTBER P-ST-5/PT ST-0 ST-0/PT WIC NAC (NAC INSPECT) F IBC SP-VS PC8-MAC P-NAC	127/Month of 220/Contraction selected	The state of the s		The first section is a second of the second	电子电子电子电子电子电子电子电子电子电子电子电子电子电子电子电子电子电子电子	Ped parti del India de Sarralia de Sarralia de Sarralia de Sarralia de Sarralia de Sarralia de Sarralia de Sar	CARRIED AFT	
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APPENDIX J

STEEL PIPE DOCUMENTATION

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WILL D ORP	SHIPPER SOUTHLAND PIE	PE & SUPPLY (0., INC.	
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Terry Stephens	PER A A	Mr.	X/11	
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Progress Rafi Services Transportation Division: Dimension 16020

Please pay this amount:

\$380.00



DERG STEEL PIPE CORP QUALITY CONTROL TEST HEPORT

Panama Cliv, Fiorida USA 32412-0209 Tel 850/768-2273 Fax 850/763-57/8 a Company of the Europipe Group 5315 West 19th Sweet P.O. Box 59209

CUSTOMER: Labarch pres a steel co.

AITH NATERIAIS MEST DEFT 51, LOVIS EN 631022133 SOLTE LEGA

SOB NORTH BROADWAY

CUSTOMER ORDER NUMBER: 235200 MILL ORDER NO: 1199756 CUSTOMER SPECIFICATION:

1002140001

SUMMARY OF TESTING

CERTIFICATE NUMBER:

SPECIFICATION: API St. 43rd edition - October 2004

SHIPMENT DATE: 11/01/2005 - 11/01/2005

108214 Leb215 Leg216 bill of Lading No.

hydro Test pressure: Hydro Hold Time: GRADE SPECIFICATIONS MON-DESTRICTIVE TESTING LACE" (L. 6 201) DRILLED HOLE AND AFT US GRECHES 375 WALL 30,090 # õ eir art wade le QUANTY Long seam ut reference TEM NO PENETHAMETERS

CHARPY SPECIMEN Destauchve Testano

CHARPY CRITERIA CHARPY CRIENTATION

SPRIF TYPE PER APT IS FIGHER AN PER APT SL PICKIDE 9 TENSILE SPECIMEN DWIT NOTCH BEND SPECIMEN DWTT SPECIMEN CHARPY SIZE

ADDITIONAL NOTES HARDNESS LOAD

HARDNESS SCALE HARDNESS INDENTOR

All pipe manufactured in the USA. AS ROLLED HEAT TREATHENT

Process of manufacture-OSAM.

HELTED AND MANUFACTURED IN THE USA

WE CENTIFY THAY THIS REPORTIS CORRECTAS CONTAINED IN THE COMPANY RECORDS. PIPE WENE MANUFACTURED, TESTED, AND INSPECTED IN COMPLIANCE WITH THE LATEST CONTINUE SPECIFICATION.



Beng Steel PIPE Corp QUALITY CONTROL TEST REPORT

HEAT QUALIFICATIONS RESULTS
CERTIFICATE NUMBER: 1002140002

P.O., Box 69209 Panama City, Ftorida USA 32412-0209 Tel 850769-2273 Fax 850763-5778 a Company of the Europipe Group 5315 West 19th Street

CUSTOMER ORDER NUMBER: 225300 MILL ORDER NO: 809756 TENSILE TEST RESULTS CUSTONIER: LABRAGE PIPE & STEEL CO.

30,000° K .. 175 GEADE ARE A352-1

BLONG ELOCATION (%) Transverse Weld HOO OOT 1800 1800 1800 00H 老品 苦 智怪 CON TRUCKLE BALLAR 20896 罗代代氏 102765 93739 1.04 PS.2 TORGET 9年7.23 10.3874 **多692**年 55585 LO 22 BW (ps4) SHORE Ż THE BELLE XIVE Conciludinal body (ps4) YERCO (peq) 25. 11.2 25. 36.6 36 BEANG Z . BZ ₹. 4¥ 36.4 38.1 3.3 30.3 30.3 F*48 27,1 28 8 8 ئے جو ک E. 96 63 63 99 83 113 C4 ë 63 THANSVERSE BODY THEFT 34409 96355 93797 97898 \$60GOR 99566 \$ B34T 957.99 96382 12766 9555% 58332 94645 96348 96334 (p=2) 40543 77662 **ቆፋ**491 31661 38628 7666R 13251 77245 11767 78014 84345 79648 7743A 14765 13353 TIBLD (bet) 51,3349-3 512557-7 512561-0 \$0\$149~6 \$058505 502556-9 505308-8 6- #25.34 S 505568-7 505635-4 505571-6 505566 18 517565-4 505696-4 SO5797-8 MUMBER £586343 A5K0244 3550333 35k1308 #5N53164 B5M5232 B545233 R5M5334 BS(V5235 A5KD241 #SEBT17 ASMOLTT CAN 134 ENKL'35 BHOSTS HUMBER NUMBER HERT TER



BERG STEEL PIPE CORP QUALITY CONTROL TEST REPORT

a Company of the Europipe Group 5315 West 19th Street P.C. Box 59209 Fanama City, Flortda USA 32412-0209 Tel 850/763-2273 Fax 850/763-5778

CUSTOMER: LABARDS PIPE & STREE CO. 10.000° x .375 cande art A252-1

1002144003 HEAT QUALIFICATIONS RESULTS
CERTIFICATE NUMBER: OUSTOMEN ORDER NUMBER: 225200 MILL ONDER NO: 200756

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RECEIVED 09/21/2011 13:49

Sep 21 11 01:50p

Terry Stephens

2054269799

p.2

PLS # GROOT

SHOWN @ 3-285-Z

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ENTERED MAY 2 4 2011

Progress Rail Services Transportation Division: Oimension 15020

This bill is past due on: 05/31/2011

Please pay this amount:

\$380.00



AMERICAN STEEL PIPE

A division of American Cast Iron Pipe Co., P.O. Box 2727, Birmingham, AL 35202-2727 QUALIFICATION REPORT OF SHIPMENT

DATE: 11/JUN/2010

CUSTOMER ADDRESS: SOUTHLAND PIPE & SUPPLY CO P O BOX 1628 BESSEMER, AL 35021

Customer Order Number 100895

MFG Order Number \$109173

GRADE SPECIFICATIONS ASTM A252 SHIPMENT DESCRIPTION SHIP. NO 40-52 STEEL PIPE PILING ,375 WALL SIZE 24,00 FOOTAGE 5854.1 158 LINE PIECES

All tests are from the body of the pipe in the transverse direction unless otherwise noted. Standard tensile gage length 1-1/2" x 2".

Coil Pipe	0053 10/22 39-8
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L S	EDITION REFERENCE 5 YEAR 2008 Yield Strength by Strap 21 0.206 0.017 0.030 0.010 0.030 0.001 0.044 .0003 .0067 0.216 0053 23 0.189 0.013 0.029 0.011 0.007 0.028 0.006 0.038 .0000 .0000 0.210 10/22 2.5 ksi Yield 56.5 ksi %EL 39.5 RB Hydro: Psi RUN: 39-8
CB	0.021 0.023 72.5
S	24740 * LINE 1 H= 0.060 0.870 0.010 0.006 0.021 P= 0.056 0.857 0.013 0.008 0.023 M=Weld Ten. 75.0 ksi Ten. 72.9 Y/T RATIO = 0.78
p.	TE 1 70 0.010 (57 0.013 (75.0 ksi
MN	24740 * LINE 1 H= 0.060 0.870 0 P= 0.056 0.857 0 M=Weld Ten. 75.0
U	, * 060 056 d Te
HEAT	24740 * LI H= 0.060 0.8 P= 0.056 0.8 M=Weld Ten. Y/T RATIO =

0054 RUN: 39-8 0.017 0.030 0.010 0.010 0.030 0.001 0.044 .0003 .0067 0.216 0.013 0.029 0.011 0.007 0.029 0.006 0.038 .0000 .0000 0.204 Yield 00.0 ksi %EL 00.0 RB Hydro. 24740 * LINE 1 H= 0.060 0.870 0.010 0.006 0.021 0.206 P= 0.051 0.849 0.012 0.008 0.023 0.188 M=Weld Ten, 00.0 ksi Ten. 00.0 ksi X/T RATIO = 0.00

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			•	
Coil	Pipe 0046 10/22 39-8	0047 39-8	0044 10/22 39-8	0045
C.B.	Strap 0.220 0.217 RUN:	strap 0.220 0.224 RUN:	Strap 0.232 0.231 RUM:	Strap 0.232 0.229 RUN:
N	gth by .0052 .0000 si	gth by .0052 .0000 si	Strength by .0002 .0063 .0000 .0000	Strength by .0002 .0063 .0000 .0000 .
B	Stren .0001 .0000	Stren.0001.0000	Strenc .0002 .0000	
AL	8 Yield 2 0.046 4 0.039 Hydro:	8 Yield 2 0.046 4 0.034 Hydro:	Yield 0.034 0.030 /dro:	8 Yield 3 0.034 4 0.024 Hydro:
Λ	200 3.00	.000	200	200
CR	YEAR 0.030 0.035 0.88	YEAR 0.030 0 0.039 0	YEAR 0.040 0.043 0 RB	YEAR 0.040 (0.045 (
MO	5 .010 .008 L 45	5 .010 .008 L 00	CE 5 0.010 0.009 %EL 42.	NE 5 0.010 0.009 EEL 00.
INI	REFERENCE 0 0.010 0 9 0.012 0 5 ksi %g	REFERENCE 0 0.010 0 0 0.015 0 0 ksi %E	REFERENCE 0 0.020 0 4 0.018 0 5 ksi %E	REFERENCE 0 0.020 0 6 0.020 0 0 ksi %El
CG	ION 0.02 0.02 64.	CION RE 0.020 0.030 00.0	EDITION RE 015 0.030 012 0.034 eld 56.5	ነው ነን
II	EDIT 0.016 0.012 Yield	EDITION 0.016 0.02(0.012 0.03(EDII 0.015 0.012 Yield	EDITION 0.015 0.0 0.012 0.0 vield 00
SH	0.202 0.195) ksi	0.202 0.193	0.182 0.183 ksi	148 148 147
Ð	0.019 0.021 71.(0.019 0. 0.021 0. 00.0 K	0.019 0.022 72.5	0.019 0.019 00.0
S	* LINE 1 0.900 0.011 0.006 0.019 0 0.853 0.013 0.006 0.021 0 en. 73.5 ksi Ten. 71.0 0 0 = 0.91	25031 * LINE 1 H= 0.060 0.900 0.011 0.006 0.019 0 P= 0.064 0.883 0.013 0.006 0.021 0 M=Weld Ten. 00.0 ksi Ten. 00.0 3 Y/T RATIO = 0.00	13118 * LINE 1 H= 0.060 0.950 0.012 0.005 0.019 0. P= 0.066 0.899 0.014 0.006 0.022 0. M=Weld Ten. 73.0 ksi Ten. 72.5 J Y/T RATIO = 0.78	13118 * LINE 1 H= 0.060 0.950 0.012 0.005 0.019 0. P= 0.060 0.924 0.014 0.006 0.019 0. M=Weld Ten. 00.0 ksi Ten. 00.0 k Y/T RATIO = 0.00
ų	E 1 0 0.011 3 0.013 73.5 ksi	1 0.011 0.013 0.0 ksi	1 0.012 0.014 .0 ksi	1 0.012 0.014 .0 Ksi
MM	5031 * LINE = 0.060 0.900 = 0.063 0.853 =Weld Ten. 73 /T RATIO = 0.5	* LINE 1 0.900 0 0.883 0 en. 00.0	LINE 0.950 0.899 n. 73	LINE 1 0.950 0 0.924 0 n. 00.0
ט	060 063 d T	1 .060 .064 1d Te	3 * .060 .066 ld Te	.18 * L 0.060 0. 0.060 0. eld Ten.
HEAT C	25031 H= 0, P= 0, M=Wel Y/T R	25031 * H= 0.060 P= 0.064 M=Weld Tel	1311: H= 0 P= 0 M=Wel	13118 H= 0. P= 0. M=Wel

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CUSTOMER NAME:

Customer Order Number SOUTHLAND PIPE & SUPPLY CO 100895

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HEAT	ر	G D	ŭ	ā	ت ت	- 4	11.5	TTA	. N6○	11 aD	17	7.17	Ð	Þ	ר. על ב	
7)	1	3	3) -1	-1 -3)	- 1 -3	2	3	>	7	a	3	• • •	Pipe
13115	⊢ ≓	LINE 1				EDIA	TON RE	FERENCI	ണ	YEAR	2008	Yield	Strengt	ch by	Strap	ſ
H= 0.(50 0.	0.050 0.880 0.014 0.006		0,018	0,196	0.017	0.030	0.020	0.010	0.040	0.003	0.039	.0001	, 0048	0,211	0040
P=0.6	0.48	0.048 0.882 0.015 0.006		0.019	0.180	0.012	0.027	0.015	0.011	0.037	0.006	0.027	0000	.0000	0.209	05/14
M=Weld Te	Ten,	70.5 ksi	1 Ten.	70.0	, KBi	Yield	65.0	70.0 ksi Yield 65.0 ksi %EL 46.0 RB Hydro: Psi RUN: 39-8	EL 46.	0 RB	HV	dro:	D.		RUN:	39-8
Y/T R	RATIO =	66.0									ł					

39-8 0041 Strap 0.211 RUN: 0.208 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.017 0.030 0.020 0.010 0.040 0.003 0.039 .0001 .0048 0.012 0.027 0.016 0.011 0.038 0.006 0.027 .0000 .0000 Yield 00.0 ksi %EL 00.0 RB Hydro: Psi H= 0.050 0.880 0.014 0.006 0.018 0.196
P= 0.048 0.878 0.015 0.006 0.018 0.180 M=Weld Ten. 00.0 ksi Ten. Y/T RATIO = 0.00

07/15 03-8 Strap 0.313 0,309 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.017 0.050 0.020 0.040 0.005 0.031 .0004 .0053 0.014 0.056 0.028 0.018 0.052 0.000 0.028 .0002 .0000 Yield 78.5 kgi %EL 30.5 RB Hydro: Psi 10603 * LINE 1 H= 0.050 1.470 0.014 0.004 0.083 0.202 P= 0.041 1.491 0.014 0.006 0.092 0.173 M=Weld Ten. 89.5 ksi Ten. 96.5 ksi Y/T RATIO = 0.81

03-8 Strap 0.313 0.309 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.017 0.050 0.020 0.040 0.005 0.031 .0004 .0053 0.013 0.056 0.028 0.018 0.052 0.000 0.027 .0002 .0000 Yield 00.0 ksi %EL 00.0 RB 10603 * LINE 1 H= 0.050 1.470 0.014 0.004 0.083 0.202 P= 0.042 1.482 0.014 0.006 0.089 0.172 00.0 ksi Ten. M=Weld Ten. 00.0 ksi Y/T RATIO = 0.00

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Joil	Pipe 0224 11/22 03-8
T C.E. COIL	Strap 0.307 0.289 RUN:
Z	rth by .0083 .0000
B	Streng .0004 .0000 Ps
AL)8 Yield)5 0.032)1 0.028 Hydro:
Λ	2008 0.005 0.001 H
CR	YEAR 0.040 0.019
MO	5 5 0.010 0.007
NI	EDITION REFERENCE 5 YEAR 2008 Yield Strength by 3.195 0.016 0.030 0.010 0.040 0.005 0.032 .0004 .0083 0.166 0.013 0.027 0.007 0.007 0.019 0.001 0.028 .0000 .0000 ksi Yield 79.5 ksi %EL 26.0 RB Hydro: Psi
CG	ION RED 0.030 (
TI	EDIT 0.016 0.013 Vield
SI	0.195 0.166 ksi
CB	0.084 0.074 95.0
S	0.004 0.006 Ten.
ਹ	INE 1 460 0.012 (411 0.010 (90.0 ksi 0.84
MN	LINE 1 1.460 0 1.411 0 n. 90.
Ü	550 3 346 1 3 Ter
HEAT	22727 * LINE 1 H= 0.050 1.460 0.012 0.004 0.084 (P= 0.046 1.411 0.010 0.006 0.074 (M=Weld Ten. 90.0 ksi Ten. 95.0 X/T RATIO = 0.84

27
D 0227 9 11/2: 03-8
Strap 0.307 0.289 RUN:
EDITION REFERENCE 5 YEAR 2008 Yield Strength by Strap 0.195 0.016 0.030 0.010 0.010 0.040 0.005 0.032 .0004 .0083 0.307 0.227 0.168 0.013 0.015 0.009 0.007 0.022 0.002 0.030 .0000 .0000 0.289 11/22 ksi Yield 79.0 ksi %EL 27.0 RB Hydro: Psi RUN: 03-8
12 St
8 Yiel 5 0.03 2 0.03 Hydro:
EDITION REFERENCE 5 YEAR 2008 Yield 0.195 0.016 0.030 0.010 0.040 0.005 0.032 0.168 0.013 0.015 0.009 0.007 0.022 0.002 0.030 5 ksi Yield 79.0 ksi %EL 27.0 RB Hydro:
YEAR 0.040 0.022 0.RB
5 .010 .007 L 27.
NCE O O. %EL
EDITION REFERENCE 016 0.030 0.010 0. 013 0.015 0.009 0. eld 79.0 ksi %EI
ON RE .030 .015 79.0
DITH 16 0 13 0
KOO HOOOE
.195 .168 ksi
084 0 078 0 92.5
00
22727 * LINE 1 H= 0.050 1.460 0.012 0.004 0.084 0. P= 0.045 1.418 0.011 0.006 0.078 0. M=Weld Ten. 85.0 ksi Ten. 92.5 ki Y/T RATIO = 0.85
ME 1 50 0.012 (18 0.011 (85.0 ksi).85
国 1 0 0.0 8 0.0 8 5.0
* LINE 1.460 1.418 en. 8: 0 = 0.8
\$ 45 1 Ter.
22727 * LII H= 0.050 1.40 P= 0.045 1.41 M=Weld Ten. Y/T RATIO = 0
Z = H Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z

Strap	0.169 0.016 0.040 0.020 0.020 0.040 0.005 0.041 .0004 .0053 0.315 0198	0.308 05/11	RUN: 03-8
Strength by	.0004 .005	0000.0000.	pai
YEAR 2008 Yield Strength by Strap	0.005 0.041	0.000 0.032	Hydro:
E 5 YEA	0.020 0.040	0.015 0,037	EL 22.5 RB
EDITION REFERENCE	.040 0.020	.041 0.018	5 KSi Yield 79.0 ksi %EL 22.5 RB
TLUE	169 0.016 0	145 0.012 0	si Yield
	07 0.083 0,	39 0.075 0.	ren. 91.5 K
0 0 0 0 0 0 0 0 0 0 0	0.012 0.00	0.00% 0.00%	
22728 * LINE	11 0.000 T.430 0.012 0.007 0.083	M-M-1 3 T.501 0.009 0.009 0.075 0.1	M=Weid len. 86.5 KS1 Y/T RATIO = 0,86
(A 🖺	i [i	4 ≥	. >-

	01.99		ر د د د
Strap	0.315	U.314	KUN: OS-8
YEAR 2008 Yield Strength by Strap	.0004 .0053	,0000, 2000.	4 12 4
2008 Yield	.005 0.041	.000 0.00.	: O : O : E
YEAR	0 0,040 0,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
τÜ	0,0	, Ç	í
EDITION REFERENCE 5	3 0.159 0.016 0.040 0.020 0.020 0.040 0.005 0.041 .0004 .0053 0.315 0	TOUGH OF ONE OF THE OFFICE OF THE OFFICE OF THE OFFICE OFF	
EDIT	0.016	Kai Vield	
•	0 10	0 Kg1	
0	20.0	00	
2	0.00.0	Ten	
	0.010	O Ksi	_
LINE 1	0.420.	. 00	= 0.00
π *	44 T	Ten	OIL
22728 * LINE 1 H= 0 050 1 490 0 012 0 003 0 003	P= 0.044 1.521 0.010 0.010 0.083	M=Weld Ten. 00.0 ksi Ten. 00.0	Y/T RATIO =

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1.	n o lo		ហ	
Coil	Pipe 0179 07/11	0180 / 03-8	0192 07/15 03-8	0193 / 03-8
C.B.	Strap 0.312 0.311 RUN:	Strap 0.312 0.313 RUN:	Strap 0.313 0.291 RUN:	Strap 0.313 0.302 RUN:
N	Strength by .0003 .0070 .0007 .0000 Psi	gth by ,0070 ,0000 si	gth by .0069 .0000 si	jth by .0069 .0000
B	Strenc0003	Stren.0003	Stren .0004 .0007	Strength by .0004 .0069 .0007 .0000 Psi
AL	8 Yield 5 0.031 9 0.025 Hydro:	Yield 0.031 0.026 /dro:	Yield 0.040 0.035 dro:	4R 2008 Yield 0 0.005 0.040 7 0.010 0.039 Hydro:
Δ	200 0.00 0.00	2008 .005 .010	1 2008 0.005 0.009	1 2008 0.005 0.010
CR	YEAR 0.040 (0.043 (YEAR 0.0400 0.0430	YEAR 2008 0.040 0.005 0.033 0.009 .5 RB Hy	YEZ 040 RB 73
MO	. 020 . 009 L 26	5 .020 .010 L 00	288	$C \mapsto C$
N	REFERENCE 5 0 0.020 0.020 8 0.024 0.009 0 ksi %el 26.	REFERENCE 5 70 0.020 0.020 0. 72 0.025 0.010 0. 0 ksi %er 00.0	EDITION REFERENCE 5 0.015 0.030 0.020 0.020 0.013 0.031 0.020 0.008 Yield 73.0 ksi %EL 28.	EDITION REFERENCE 5 .015 0.030 0.020 0.020 0.014 0.035 0.021 0.010 0.100 0.1014 0.035 0.021 0.010 0.00 0.00 ksi %EL 00.00
CA	rion re 0.070 0.068 77.0	LION RE 0.070 0.072 00.0	TON RE 0.030 0.031 73.0	TON RE 0.030 0.035
	EDITION R1 35 0.013 0.070 79 0.011 0.068 Yield 77.0	EDITION F 0.013 0.07C 0.012 0.072 Yield 00.0	EDII 0.015 0.013 Yield	EDIT 0.015 0.014 Yield
T CO		C 00 -1	1703	0.203 0.173) ksi
CB	0.084 0.086	0.084 0.088	0.084 0.079	0.084
σı	10640 * LINE 1 H= 0.050 1.460 0.012 0.003 0.084 0 P= 0.049 1.463 0.014 0.005 0.086 0 M=Weld Ten. 87.5 ksi Ten. 96.0 3 Y/T RATIO = 0.80	10640 * LINE 1 H= 0.050 1.460 0.012 0.003 0.084 0.20 P= 0.048 1.476 0.014 0.005 0.088 0.1 M=Weld Ten. 00.0 ksi Ten. 00.0 ks: Y/T RATIO = 0.00	22729 * LINE 1 H= 0.050 1.480 0.013 0.004 0.084 0. P= 0.038 1.435 0.013 0.005 0.079 0. M=Weld Ten. 87.0 ksi Ten. 94.5 k	12729 * LINE 1 H= 0.050 1.480 0.013 0.004 0.084 0 P= 0.039 1.487 0.013 0.006 0.082 0 M=Weld Ten. 00.0 ksi Ten. 00.0 ks
ъ	1 0.012 0.014 .5 ks	1 0.012 0.014 .0 ks	E 1 0 0.013 5 0.013 87.0 ks:	1 0.013 0.013 0 ks
MN	* LINE 1 1.460 0 1.463 0 en. 87.9	LINE 1 1.460 0 1.476 0 n. 00.0	LINE 1 1.480 0. 1.435 0. 1.87.0	LINE 1.480 (1.487 (1.00) = 0.00
U	10640 * L H= 0.050 1. P= 0.049 1. M=Weld Ten. Y/T RATIO =	10640 * L H= 0.050 1. P= 0.048 1. M=Weld Ten. Y/T RATIO =	% * 050 038 d Ter	050 ; 039 ; d Ter
HEAT	10640 H= 0. P= 0. M=WelvY/T R	1064(H= 0. P= 0. M=Wel	22729 * L. H= 0.050 1. P= 0.038 1. M=Weld Ten. Y/T RATIO =	22729 H= 0. P= 0. M=Wel

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1	COLT Pipe	P 0185 8 07/14 : 03-8
[!	j E	Straj 0.30
	Ζ,	jth by .0056 .0000
1	ŋ	Strenc0004
T 18	AL.	Xield 0.056 0.052 dro:
'n	>	2008 0.004 0.010 Hy
0.00	Ś	XEAR 0.030 0.032 0 RB
OM		E 5 0.010 0.007 EL 29.
1.7	1	FERENC 5.010 5.014 csi %
1) }	CON RE 0.040 0.040 76.5 1
E	! i	EDITION REFERENCE 5 YEAR 2008 Yield Strength by Strap 7. 0.201 0.018 0.040 0.010 0.010 0.030 0.004 0.056 0.004 0.056 0.304 01. 0.170 0.016 0.040 0.014 0.007 0.032 0.010 0.052 .0009 .0000 0.308 07. 0.130 Vield 76.5 ksi %EL 29.0 RB Hydro: Psi RUN: 03
SI	!	0.201 0.170 ksi
G		0.079
נט		0.005 0.007 Ten.
C.		450 0.013 0 472 0.015 0 86.0 ksi 0.83
MIN	T. T.NT	He 0.050 1.450 0.013 0.005 0.079 P= 0.049 1.472 0.015 0.007 0.087 M=Weld Ten. 86.0 ksi Ten. 92.0 I/T RATIO = 0.83
D	*	050 1 049 1 1 Ten
HEAT	00748	42/30 H= 0.050 1. P= 0.049 1. M=Weld Ten. Y/T RATIO =

0186 RUN: 03-8 0.304 22748 * LINE 1

H= 0.050 1.450 0.013 0.005 0.079 0.201 0.018 0.040 0.010 0.010 0.030 0.004 0.056 .0004 .0056

P= 0.051 1.466 0.014 0.007 0.083 0.169 0.015 0.039 0.014 0.006 0.030 0.010 0.049 .0008 .0000

M=Weld Ten. 00.0 ksi Ten. 00.0 ksi Yield 00.0 ksi %EL 00.0 RB Hydro: Psi M=Weld Ten. 00.0 ksi Ten. 00.0 ksi Y/T RATIO = 0.00

07/15 0189 0.321 RUN: . .0004 .0054 (, .0008 .0000 (Psi EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.015 0.020 0.010 0.010 0.030 0.004 0.034 .0004 .0054 0.016 0.036 0.018 0.008 0.030 0.010 0.037 ,0008 .0000 Yield 79.5 ksi %EL 29.5 RB Hydro: Psi Hydro: EDITION REFERENCE 5 H= 0.060 1.500 0.011 0.006 0.084 0.195 P= 0.044 1.512 0.012 0.007 0.089 0.161 96.0 ksi M=Weld Ten. 89.5 ksi Ten. Y/T RATIO = 0.83 * LINE 1

0190 RUN: 03-8 Strap 0.321 0.294 EDITION REFERENCE 5 40368 * LINE 1 M=Weld Ten. 00.(Y/T RATIO = 0.00

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OD-AM2FOR



ဥ SOUTHLAND PIPE & SUPPLY CUSTOMER NAME:

S109173 Customer Order Number

100895

Date: 11/JUN/2010 MFG Order Number

Coil	Pipe	0010 12/23 31-8
C.E. Coil	Ω. 1. 1. 1. 1.	0.260 0.264 RUN:
N	th by	.0000 .0000
白	Strenc	.0003 .0011 .P.E.
AL	Yield Yield	0.054 4 0.046 Hydro:
Λ	2008	0.003 0.004 HY
S	YEAR	0.020 0.033 5.RB
MO	ហ	0.010 0.007 EL 32.
HZ	FERENCI	0.010 0.007 csi %
CG	EDITION REFERENCE).020).000 74.0]
ĪĽ	EDIL	8 0.181 0.019 0.020 0.010 0.010 0.020 0.003 0.054 .0003 .0056 0.260 0 0.163 0.015 0.000 0.007 0.007 0.033 0.004 0.046 .0011 .0000 0.264 1 5 ksi Yield 74.0 ksi %EL 32.5 RB Hydro: Psi RDI RUN: 3
SI		0.181 (0.163 (ksi
CB		0.058 0.055 90.55
æ		7.004 (7.006 (Ten.
Δı	, (0 0.009 0 4 0.012 0 80.5 ksi 82
MN	* LINE 1	0.070 1.030 0.009 0.004 0.058 P= 0.071 1.104 0.012 0.006 0.055 M=Weld Ten. 80.5 ksi Ten. 90.5 X/T RATIO = 0.82
U	* C	71 1 71 1 [Ter
HEAT	12520	M= 0.070 1.030 0.009 0.004 0.058 P= 0.071 1.104 0.012 0.006 0.055 M=Weld Ten. 80.5 ksi Ten. 90.5 Y/T RATIO = 0.82

12/23 31-8Strap 0.260 0.266 RUN: 0.019 0.020 0.010 0.010 0.020 0.003 0.054 0.003 0.056 0.015 0.000 0.006 0.007 0.033 0.004 0.045 0.012 0.000 Yield 69.5 ksi %EL 33.0 RB Hydro: Psi YEAR 2008 Yield Strength by EDITION REFERENCE 5 12520 * LINE 1 H= 0.070 1.090 0.009 0.004 0.058 0.181 P= 0.074 1.094 0.012 0.006 0.055 0.163 M=Weld Ten. 80.0 ksi Ten. 90.0 ksi Y/T RATIO = 0.77

Strap 0.266 0.260 .0003 .0050 .0011 .0000 (Psi XEAR 2008 Yield Strength by H= 0.070 1.110 0.012 0.003 0.057 0.217 0.018 0.020 0.010 0.010 0.030 0.003 0.036 P= 0.064 1.109 0.016 0.005 0.056 0.190 0.016 0.000 0.012 0.002 0.042 0.009 0.030 N=Weld Ten. 80.0 ksi Ten. 90.0 ksi Yield 70.5 ksi %EL 33.5 RB Hydro: EDITION REFERENCE 5 * LINE 1

12/23 31-8 0020 Strap 0.266 0.246 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.018 0.020 0.010 0.010 0.030 0.003 0.036 .0003 .0050 0.016 0.000 0.009 0.042 0.005 0.031 .0000 Yield 75.5 ksi %EL 33.0 RB Hydro: CI ES Hydro: EDITION REFERENCE 5 12645 * LINE 1 H= 0.070 1.110 0.012 0.003 0.057 0.217 P= 0.051 1.105 0.015 0.006 0.059 0.194 M=Weld Ten. 85.0 ksi Ten. 90.5 ksi M=Weld Ten. 85.(X/T RATIO = 0.83

Continued

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<u></u>	4) 10 az az		(v)	ന
COF	Fipe 0016 12/22 31-8	0033 / 31-8	0017 12/22 31-8	0036 12/23 31-8
C.B.	Strap 0.278 0.266 RUN:	Strap 0.278 0.261 RUN:	Strap 0.259 0.255 RUN:	Strap 0.259 0.261 RUN:
Z	Strength by .0004 .0019 .0010 .0000 .	Strength by .0004 .0009 .0000 .0000	Strength by .0002 .0062 .0000 .0010 .0000	Strength by .0002 .0062 .0000 .0000 .0000 .0000
B	Stren .0004 .0010	Stren .0004 .0000	Strengt .0002 .0010	Strens .0002 .0000
AL	8 Yield 4 0.041 9 0.035 Hydro:	R 2008 Yield 0.004 0.041 0.007 0.036 Hydro:	AR 2008 Yield 0 0.003 0.042 7 0.008 0.032 Hydro:	Yield 0.042 0.035 iydro:
Λ	R 200 0.00	YEAR 2008 0.04 0.04 0.048 0.007 0.048 0.007 0.027	YEAR 2008 0.040 0.003 0.047 0.008	200 .00 .00 .00
R	YEAR 0 0.040 (0 0.048 (2.0 RB	YEAR 0.040 C 0.048 C	YE 0.044 0.04 0.08	YEAR 0.040 0 0.040 0 0.040 0 0.040 0 0.040 0 0.040 0 0.040 0 0.040 0 0 0
OM MO	NCE 5 0 0.02(5 0.01(%EL 3;	NCE 5 0 0,02(3 0.01) %EL 0(NCE 5 0 0.010 8 0.006	NCE 5 0 0.010 %EL 34
INI	N REFERENCE 5 YE 020 0.010 0.020 0.04 000 0.015 0.010 0.04 5.5 ksi %EL 32.0 RB	OTTION REFERENCE 5 :0 0.020 0.010 0.020 0 :7 0.000 0.013 0.011 0 :d 00.0 ksi %EL 00.0	EDITION REFERENCE 5 020 0.020 0.010 0.010 016 0.027 0.013 0.006 eld 75.5 ksi %EL 33.	EDITION REFERENCE 5 0.020 0.020 0.010 0.010 0.015 0.024 0.009 0.006 Vield 71.0 ksi %EL 34
	PIO 0. 0.	EDITION F 0.020 0.020 0.017 0.000 Yield 00.0	TTION 0 0.02 6 0.02 d 75.	ITION 0 0.02 5 0.02 d 71.
I.L.	EDI) 06 0.020 83 0.018 i Yield	6 0.02 0 0.01 Yiel	Roo.	
3 SI	ા ન છં	9 0.20 8 0.19	0 0.201 3 0.174 .0 ksi	0 0.201 9 0.182 5 ksi
S CB	74 0.05 05 0.05 01. 92	74 0.05 14 0.05 17. 00	4 0.06 5 0.06 22 92	4 0.06 6 0.05 n. 89
<u>а</u>	10 0.00 14 0.00 ssi Te	10 0.00 14 0.00 18i Te	.0 0.00 .4 0.00	IE 1 :0 0.010 0.004 0.060 0.2 :3 0.014 0.006 0.059 0.1 79.0 ksi Ten. 89.5 ks .79
	NE 1 50 0.03 55 0.03 86.5 7	INE 1 160 0.03 126 0.03 00.0 k	INE 1 120 0.01 120 0.01 86.0 k	IE 1 20 0.01 3 0.01 79.0 k
C MIN	* LINE 70 1.160 59 1.155 Ten. 8 TIO = 0.	* LII 70 1.16 59 1.12 Ten.	* LIN 50 1.12 53 1.12 Ten.	* LIN 50 1.12 52 1.11 Ten.
HEAT	12646 * LINE 1 H= 0.070 1.160 0.010 0.004 0.059 0 P= 0.059 1.155 0.014 0.005 0.056 0 M=Weld Ten. 86.5 ksi Ten. 92.0 3 Y/T RATIO = 0.82	12646 * LINE 1 H= 0.070 1.160 0.010 0.004 0.059 0. P= 0.059 1.126 0.014 0.004 0.058 0. M=Weld Ten. 00.0 ksi Ten. 00.0 k X/T RATIO = 0.00	12647 * LINE 1 H= 0.060 1.120 0.010 0.004 0.060 0.2 P= 0.053 1.120 0.014 0.005 0.053 0.1 M=Weld Ten. 86.0 ksi Ten. 92.0 ks Y/T RATIO = 0.82	12647 * LINE 1 H= 0.060 1.120 0.010 0.0 P= 0.062 1.113 0.014 0.0 M=Weld Ten. 79.0 ksi T Y/T RATIO = 0.79

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Coll	Pipe 0001 12/22 31-8	00003 12/23 31-8	0006 10/22 31-8	0007
C.E.	Strap 0.265 0.260 RUN:	strap 0.265 0.268 RUN:	Strap 0.246 0.236 RUN:	Strap 0.246 0.250 RUN:
N	yth by .0056 .0000	Strength by .0003 .0056 .0005 .0000	Strength by .0003 .0069 .0004 .0000 Psi	Strength by .0003 .0069 .0011 .0000 Psi
В	Stren. .0003 .0005 Pt	Strence .0003 .0005	Strenç .0003 .0004	Strenc.
AL	8 Yield 13 0.043 16 0.038 Hydro:	Yield 0.043 0.039 dro:	ield .037 .032 ro:	leld .037 .028 .028
Δ	000.	8 2008 0.003 0.007 Hyv	7 2008 0.003 0.007 H)	2008 0.003 0.004 0.004
CR	YEAR 0 0.020 0 7 0.032 0 2.0 RB	YEAR 2008 0 0.020 0.003 5 0.031 0.007 3.5 RB Hy	YEAR 2008 X 0 0.020 0.003 0 0 0.031 0.007 0	YEAR 2008 Y: 0 0.020 0.003 0 5 0.032 0.004 0 0.0 RB Hydi
MO	ITION REFERENCE 5 9 0.020 0.010 0.010 5 0.022 0.008 0.007 d 72.5 ksi %EL 32.	. 0 . 1 1 . 0 . 1 1 . 3 . 3	EDITION REFERENCE 5 0.016 0.010 0.010 0.010 0.013 0.000 0.006 0.005 Yield 65.5 ksi %EL 37	ITION REFERENCE 5 6 0.010 0.010 0.010 2 0.000 0.008 0.005 d 00.0 ksi %er 00.
NI	EFEREN 0.010 0.008 ksi	REFERENCE 0 0.010 0 1 0.005 0 5 ksi %E	EFEREN 0.010 0.006 ksi	EFERENC 0.010 0.008 Ksi
B	TION R 0.020 0.022 72.5	CON R 0.020 0.021 67.5	TION R: 0.010 0.000 65.5	TION RU 0.010 0.000 00.0
TI	0.01 V.01 V.01	EDITI 0.019 C 0.016 C Yield		EDITION F 0.016 0.010 0.012 0.000 Yield 00.0
SS	0.192 0.176 5 ksí	0.192 0.180 5 ksi	0.176 0.155 5 ksi	0.176 0.161 0 ksi
B	0,055 0.048	0.055 0.055	0.057	0.057 0.054 .00.0
ល	0.003 0.006 i Ten)6 0.003 10 0.006 ssi Ten.	0.005 0.007 Ten	L 0.005 3 0.007 31 Ten.
ď	1.060 0.006 1.055 0.010 n. 80.5 ks	1 0.006 0.010 2.5 ks	1 0.011 0.013 7.5 ksi	1 0.011 0.013 0.0 ks
MN	42 (1) (7)	* LINE 1 0 1.060 0. 8 1.075 0. Fen. 82.5	* LINE 1 50 1.070 0.011 19 1.067 0.013 Ten. 77.5 ksi TO = 0.78	LINE 1.070 1.065 n. 0
EAT C	4265 = 0.0 = 0.0 =Weld	24265 H= 0.080 P= 0.078 M=Weld Te Y/T RATIC	24269 * L H= 0.060 1. P= 0.049 1. M=Weld Ten. Y/T RATIO =	69 0.060 0.063 eld T
HE	KRTEN	ス別で耳ど	K K P H D	242 H= P= W=W

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QD-AM3F055



SOUTHLAND PIPE & SUPPLY CO CUSTOMER NAME:

Customer Order Number 100895

Date: 11/JUN/2010 MFG Order Number \$109173

Li Fi	70 e 40 722 -8	42 /22 -8	27 /23 18	31 /21 -8
Coil		312	p 0027 9 12/3 31-8	22 003 1 12/ 31-
C, E	Strap 0.267 0.270 RUN:	Strap 0.267 0.265 RUN:	Stra 0.26 0.24 RUN	Stra 0.26 0.25 RUN
N	Strength by .0003 .0065 .0000 .0000 Psi	Strength by .0003 .0065 .0000 .0000	Strength by .0002 .0056 .0000 .0000 Psi	Strength by ,0002 .0056 ,0000 .0000 Psi
B	Stren. .0003 .0000	Stren 0003 0000	Stren. .0002 .0000	Streng .0002 .0000
AL	3 Vield 3 0.044 9 0.038 1ydro:	Yield 0.044 0.038 /dro:	Xield 0.044 0.036 /dro:	Yield 0.044 0.041 /dro:
Λ	0.0000	200.000.000	868	000
CR	YEAR 0.020 0.032 .0 RB	YEAR 0.020 0.037 5 RB	YEAR 2 0.020 0. 0.031 0. 0 RB	XEAR 0.020 0 0.029 0 5 RB
MO	NCE 5 0.010 0.007 %EL 29.	O.010 0.010 0.008 EL 36.	E 5 0.010 0.004 EL 31,)E 5 0.010 0.004 EL 32.
NI	REFERENC 20 0.010 22 0.011 5 ksi %	REFERENCE 20 0.010 0. 23 0.012 0. .0 ksi %EI	REFERENCE 20 0.010 0. 30 0.011 0. .0 ksi %EL	REFERENCE 20 0.010 0. 18 0.012 0. 5 ksi %el
CO	ON 000	0.00 0.00 0.00 0.00	rion RE 0.020 0.000 73.0	110N RE 0.020 0.048 68.5
I.L	EDIT 0.018 (0.015 (Yield	EDITION O. 018 (0.015 (0.015)	EDITION F 0.019 0.02C 0.016 0.00C Yield 73.C	EDITION F 0.019 0.020 0.016 0.046 Yield 68.E
S H	0.197 0.184 0 ksi	4 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.201 0.182 5 ksi	0.201 0.188 ksi
CB	0.054 0.055 86.	2 0.054 0. 5 0.051 0.	0.05	0.055 0.057 90,(
ß	0.002 0.005 11 Ten.	0.002 0.005	0.005 0.006 Ten	0.005 0.007 Ten.
C.	1 0.005 0.01C 0.01C	1 0.005 0.010 .5 ksi	1 0.007 0.013 5.0 ksi	1 0.007 0.013 .0 ksi
MM	LINE 1.070 1.073 1.073	* LINE 1 0 1.070 0.005 0.002 (5 1.064 0.010 0.005 (Ten. 77.5 ksi Ten. 10 = 0.76	100 100 093 8(* LINE 1 0 1.100 0.007 0.005 0.055 7 1.094 0.013 0.007 0.057 Ten. 85.0 ksi Ten. 90.0
U	4261 * I = 0.080 1. = 0.079 1. = Weld Ten. /T RATIO =	* 1 080 1 075 1 d Ten	* 070 058 d Tel	* 1 070 1 057 1 d Ten.
HEAT	24261 * H= 0.080 P= 0.079 M=Weld Te Y/T RATIC	24261 * H= 0.080 P= 0.075 W=Weld Te Y/T RATIC	24262 * I H= 0.070 1. P= 0.058 1. M=Weld Ten. I/T RATIO =	24262 * H= 0.070 P= 0.057 M=Weld Te Y/T RATIO

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Coil	Pipe 0032 08/22 31-8	0045 12/22 31-8	0048 12/22 31-8	0022 12/23 31-8
C. E.	Strap 0.262 0.239 RUN:	Strap 0.250 0.260 RUN:	Strap 0.250 0.259 RUN:	Strap 0.252 0.222 RUN:
N	Strength by .0002 .0056 .0000 .0000 Psi	Strength by .0004 .0087 .0000 .0000 Psi	Strength by .0004 .0087 .0000 .0000 Psi	Strength by .0003 .0073 .0000 .0000 .
M	Stren0000.	Strer .0004	Strer ,0004 ,0000	Stren .0003 .0000
AL	8 Yield 3 0.044 6 0.037 Hydro:	8 Yield 3 0.050 0 0.043 Hydro:	08 Yield 03 0.050 09 0.042 Hydro:	8 Yield 3 0.042 2 0.036 Hydro:
Λ	000.	2008 0.003 0.010	0000	2008 0.003 0.002 H
CR	YEAR 0 0.020 0 4 0.032 0 1.5 RB	YEAR 2008 0.020 0.003 0.033 0.010 .5 RB Hy	. YEZ 0.02C 0.034	YEAR 2008 0 0.020 0.003 2 0.031 0.002 3.0 RB HY
MO	, 01 , 00 1 3	5 .010 .007 L 34	.010 .008 .33	M 5 0.010 0.002 M 33.
INI	REFERENCE 0 0.010 0 0 0.011 0 0 ksi %E	REFERENCE 0 0.010 0 9 0.013 0 5 ksi %E	REFERENCE 0 0.010 0 2 0.014 0 5 ksi %Ej	FERENC 0.010 0.010 ksi %
CO	ON F	ON R 0.020 0.019	11ON RE 0.020 0.022 67.5	ION RE 0.020 0.000 71.0
	EDI 0.019 0.014 Vield	EDITI 0.020 C 0.017 C Yield	EDITION RE 0.020 0.020 0.017 0.022 Yield 67.5	EDITION REFERENCE 5 0.019 0.020 0.010 0.010 0.016 0.000 0.010 0.002 Vield 71.0 ksi %EL 33
SI	0.201 0.180 Ksi	0.203 0.182) kai	0.203 0.182 ksi	0.168 0.156 . Ksi
CB	0.055 0.049	0.059 0.062 86.	0,059 0,059 86,5	0.056 0.052 . 88.0
Ø	0.005 0.055 0.006 0.049 1 Ten. 90.5	E 1 0 0.007 0.003 8 0.011 0.005 77.0 ksi Ten.	.003 .005 Ten	0.006 0.007 Ten.
ď	1 0.007 0.012 .0 ksi	1 0.007 0.011 7.0 ksi	NE 1 90 0.007 (91 0.011 (77.5 ksi 0.78	1 0.008 0.012 .0 ksi
MN	100 100 036 87	M 60	* LINE 1 00 1.090 0.007 0 55 1.091 0.011 0 Ten. 77.5 ksi 10 = 0.78	LINE 1 1.040 0 1.023 0 1.83.
ت ا	70 57 57 TIC	7.066 .067 .067 .ATI	2700	24266 * LINE 1 H= 0.070 1.040 0.008 0.006 P= 0.044 1.023 0.012 0.007 M=Weld Ten. 83.0 ksi Ten. Y/T RATIO = 0.81
HEAT	24262 H= 0.0 P= 0.0 M=Weld Y/T RA	24277 H= 0.0 P= 0.0 M=Weld Y/T RA	24277 H= 0.(P= 0.(M=Welc Y/T RZ	2426 H= 0 P= 0 M=W⊕

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Date: 11/JUN/2010 MFG Order Number

C.E. Coil	Pipe 0024 12/23 31-8
i E	Strap 0.252 0.231 RUN:
N	Jth by .0073 .0000
Е	Strenc.
AL	EDITION REFERENCE 5 YEAR 2008 Yield Strength by Strap 5 0.168 0.019 0.020 0.010 0.010 0.020 0.023 0.042 .0003 .0073 0.252 0 0 0.161 0.015 0.000 0.010 0.004 0.026 0.009 0.035 .0008 .0000 0.231 1.00 ksi Yield 70.0 ksi %EL 32.5 RB Hydro: Psi RUN: 3.
Λ	, 2008 0.003 0,009
CR	YEAE 0.020 0.026 5 RB
MO	E 5 0.010 0.004 EL 32.
NI	FERENC 0.010 0.010 ksi %
CO	TON RE 0.020 0.000 70.0
II	EDIT 0.019 0.015 Vield
SI	0,168 0,161 ksi
CB	0.056 0.050 85.0
හ	0.006 0.006 Ten.
СL	1 0.008 0.012 .5 ksi
MIN	* LINE 1 1.040 0 1.022 0 en. 79.
D L	070 052 4TT
HEA	24266 H= 0. P= 0. M=Weld Y/T R2

Strap 0.252 0025 0.240 12/23 RUN: 31-8 EDITION REFERENCE 5 YEAR 2008 Yield Strength by H= 0.070 1.040 0.008 0.006 0.056 0.168 0.019 0.020 0.010 0.010 0.020 0.003 0.042 .0003 .0073 P= 0.059 1.035 0.012 0.007 0.053 0.163 0.016 0.000 0.011 0.004 0.026 0.009 0.035 .0009 .0000 M=Weld Ten. 81.0 ksi Yield 71.0 ksi %EL 33.5 RB Hydro: Psi EDITION REFERENCE 5 M=Weld Ten. 81.0 ksi Ten. 87.0 ksi Y/T RATIO = 0.82 * LINE 1

Strap 0.252 0026 0.225 12/23 RUN: 31-8 24266 * LINE 1 H= 0.070 1.040 0.008 0.005 0.056 0.168 0.019 0.020 0.010 0.020 0.003 0.042 .0003 .0073 P= 0.047 1.021 0.012 0.007 0.045 0.148 0.015 0.000 0.008 0.003 0.026 0.005 0.033 .0000 .0000 M=Weld Ten. 83.0 ksi Ten. 87.0 ksi Yield 71.5 ksi %EL 32.0 RB Hydro: Psi M=Weld Ten. 83.0 ksi Ten. Y/T RATIO = 0.82 * LINE 1

#>>vo> " Link I H= 0.080 0.870 0.008 0.005 0.028 0.200 0.018 0.040 0.010 0.010 0.020 0.002 0.038 .0003 .0048 P= 0.074 0.856 0.008 0.007 0.028 0.187 0.014 0.043 0.009 0.008 0.034 0.003 0.029 .0002 .0000 M=Weld Ten. 78.0 ksi Ten. 79.0 ksi Yield 64.5 ksi %EL 36.0 RB Hydro: Psi 45869 * LINE 1

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	Coil	Pipe 0007 11/20 22-7
	ひ. 国.	d Strength by Strap 8 .0003 .0048 0.235 00 0 .0003 .0000 0.229 11 Psi RUN: 22
	N	jth by .0048 .0000
	щ	Stren .0003 .0003
	A.	Xield 0.038 0.030 7dro:
	>	2007 0.002 0.004
	පි	YEAR 0.020 0.034 0.RB
	Q Z	5 0.010 0.010
	N	TERENCI 0.010 (0.010 (0si %
	8	EDITION REFERENCE 5 YEAR 2007 Yield Strengt 00 0.018 0.040 0.010 0.010 0.020 0.002 0.038 .0003 .91 0.015 0.043 0.010 0.010 0.034 0.004 0.030 .0003 i Yield 64.5 ksi %EL 34.0 RB Hydro: Psi
	⊢l ⊨i	EDIT 0.018 0.015 Yield
	ΣΩ I	0 0 X X X X
1	3	0.028 0.032 78.5
c	נז	0.005 0.007 Ten.
t	Կ	## 1 1 1 1 1 1 1 1 1 1
MW	NT.T	LINE 1 0.870 0 0.863 0 1. 78.
۲)	* 080 (072 (d Ter
HEAT	4 4 1 1	45869 * LINE 1 H= 0.080 0.870 0.008 0.005 0.028 P= 0.072 0.863 0.009 0.007 0.032 M=Weld Ten. 78.0 ksi Ten. 78.5 Y/T RATIO = 0.82

08/14 33-8 Strap 0.265 0.261 RUN: 0.019 0.030 0.010 0.010 0.040 0.003 0.038 .0003 .0054 0.016 0.030 0.012 0.005 0.049 0.008 0.027 .0004 .0000 Yield 74.5 ksi %EL 33.5 RB Hydro: Psi YEAR 2008 Yield Strength by EDITION REFERENCE 5 12649 * LINE 1 H= 0.070 1.090 0.010 0.004 0.057 0.183 P= 0.061 1.111 0.014 0.005 0.057 0.169 M=Weld Ten. 78.5 kgi Ten. 91.5 kgi Y/T RATIO = 0.81

0053 11/22 33-8 Strap 0.265 0.253 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.019 0.030 0.010 0.010 0.040 0.003 0.038 .0003 .0054 0.014 0.029 0.012 0.006 0.039 0.005 0.029 .0002 .0000 Yield 73.0 ksi %EL 31.0 RB Hydro: Psi 12649 * LINE 1 H= 0.070 1.090 0.010 0.004 0.057 0.183 P= 0.060 1.080 0.013 0.005 0.055 0.167 M=Weld Ten. 82.5 ksi Ten. 91.0 ksi X/T RATIO = 0.80

Strap 0.264 0.265 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.020 0.020 0.010 0.010 0.030 0.003 0.038 .0003 .0062 0.017 0.000 0.011 0.005 0.033 0.009 0.032 .0001 .0000 Yield 75.5 ksi %EL 32.0 RB Hydro: Psi 24458 * LINE 1 H= 0.070 1.100 0.009 0.003 0.058 0.187 P= 0.074 1.083 0.011 0.004 0.057 0.165 M=Weld Ten. 83.0 ksi Ten. 90.0 ksi

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SOUTHLAND PIPE & SUPPLY CUSTOMER NAME:

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Date: 11/JUN/2010 Customer Order Number

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C.E. Coil	Pipe 0058 11/22	0001 07/15 33-8	trap .254 0002 .256 / RUN: 33-8
C.E.	Strap 0.264 0.264 RUN:	Strap 0.254 0.252 RUN:	M O O
N	rth by .0062 .0000	th by .0043 .0000	th by .0043 .0000
m	Streng .0003 .0001	Streng .0003 .0010 Ps	Streng .0003 .0010
AL	Pipe VEAR 2008 Yield Strength by Strap 0.030 0.003 0.038 .0003 .0062 0.264 0058 0.040 0.009 0.028 .0001 .0000 0.264 11/22 0.8B Hydro: Psi RUN: 33-8	Yield 0.040 0.030 dro:	Yield 0.040 0.030 dro:
<u>^</u>	2008 0.003 0.009	2008 0.003 0.010	2008 0.003 0.010 HY
CR	YEAR 0.030 0.040 0 RB	YEAR 0.030 0.033 5.RB	YEAR 0.030 0.033 0 RB
MO	E 5 0.010 0.006 EL 33.	E 5 0,010 0,005 EL 32.	E 5 0.010 0.005 EL 00.
HN	FERENC 0.010 0.014 ksi %	FERENC 0.010 0.014 Ksi %	FERENC 0,010 0.014 ksi %
CO	EDITION REFERENCE 5 020 0.020 0.010 0.0 015 0.027 0.014 0.0 eld 72.5 ksi %EL	ION RE 0.020 0.018 75.0	ION RE 0.020 0.020 00.0
F	EDITION REFERENCE 5 YEAR 2008 Yield 0.187 0.020 0.020 0.010 0.010 0.030 0.003 0.038 0.015 0.027 0.014 0.006 0.040 0.009 0.028 5 ksi Yield 72.5 ksi %EL 33.0 RB Hydro:	EDIT 0.020 0.016 Yield	EDIT 0.020 0.017 Xield
ω H	0.187 0.166 ksi	0.184 0.173 ksi	0.184 0.169 ksi
B	0.058 0.057 90.5	0.055 0.056 93.0	0.055 0.055 00.0
ß	1 0.009 0.003 0. 0.013 0.005 0.	0.002 0.003 Ten.	0.002 0.004 Ten.
tr'	1 0.009 0.013 0 ksi	1 0.008 0.013 .5 ksi	1 0.008 0.013 .0 ksi
MIN	* LINE 1 1.100 0 1.083 0 en. 83.	LINE 1.100 1.104 n. 82 = 0.8	LINE 1.100 1.113 n. 00
HEAT C	070 070 d T ATI	24464 * LINE 1 H= 0.060 1.100 0.008 0.002 0.055 0.184 0.020 0.020 0.010 0.010 0.030 0.003 0.040 0.003 0.043 0.254 0001 P= 0.060 1.104 0.013 0.003 0.056 0.173 0.016 0.018 0.014 0.005 0.033 0.010 0.030 0.010 0.000 0.252 07/15 M=Weld Ten. 82.5 ksi Ten. 93.0 ksi Yield 75.0 ksi %EL 32.5 RB Hydro: Psi RUN: 33-8 X/T RATIO = 0.81	24464 * LINE 1 H= 0.060 1.100 0.008 0.002 0.055 0.184 0.020 0.020 0.010 0.010 0.030 0.003 0.040 0.043 P= 0.059 1.113 0.013 0.004 0.055 0.169 0.017 0.020 0.014 0.005 0.033 0.010 0.030 .0010 .0000 M=Weld Ten. 00.0 ksi Ten. 00.0 ksi Yield 00.0 ksi %EL 00.0 RB Hydro: Psi
HEA	24458 H= 0. P= 0. M=Weld Y/T RJ	244 H= P= M=W(244 H H P H M M M M M M M M M M M M M M M M

08/14 33-8 0042 12648 * LINE 1
H= 0.060 1.070 0.014 0.004 0.055 0.200 0.018 0.020 0.010 0.010 0.040 0.003 0.036 .0044 0.251 H= 0.069 1.044 0.017 0.005 0.050 0.185 0.014 0.018 0.009 0.005 0.045 0.005 0.008 .0004 .0000 0.246 H= 0.059 1.044 0.017 0.005 0.050 0.185 0.014 0.018 0.009 0.005 0.045 0.006 0.028 .0004 .0000 0.246 H= 0.019 0.0

Y/T RATIO = 0.00

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Coil	Pipe 0043 / 33-8
N C.E. Coil	Pi: EDITION REFERENCE 5 YEAR 2008 Yield Strength by Strap 52 0.182 0.018 0.020 0.010 0.010 0.040 0.003 0.036 .0003 .0044 0.251 00. 52 0.182 0.014 0.018 0.008 0.005 0.046 0.006 0.028 .0005 .0000 0.242 0.0 ksi Yield 00.0 ksi %eL 00.0 RB Hydro: Psi RUN: 33
Z	Jth by .0044 .0000
В	Strenc 0003 0005 Pr
AL	Vield 0.036 0.028 (dxo:
Λ	2008 0.003 0.006 H
CR	YEAN 0.040 0.046 0 RB
MO)E 5 0.010 0.005 FEL 00.
IN	TFERENC 0.010 0.008 ksi
8	FION RE 0.020 0.018 00.0
E-1	EDITO 0.018 0.014 Xield
LS	0.200 0.182) ksi
E .	0.055 0.052 . 00.0
ß	0.004 0 0.006 0
Ūι	1 0.014 0.017 0.0 ks:
MN	12648 * LINE 1 H= 0.060 1.070 0.014 0.004 0.055 C P= 0.057 1.033 0.017 0.006 0.052 C M=Weld Ten. 00.0 ksi Ten. 00.0 Y/T RATIO = 0.00
U	060 057 d Te
HEAT	12648 * H= 0.060 1 P= 0.057 1 M=Weld Ten Y/T RATIO

7.212 11/21 RUN: 32-8 Strap 0.212 0.212 EDITION REFERENCE 5 YEAR 2008 Yield Strength by 0.019 0.020 0.010 0.010 0.020 0.002 0.036 0.002 0.005 0.015 0.000 0.008 0.006 0.022 0.004 0.029 0.000 0.000 Yield 55.0 ksi %EL 45.5 RB Hydro: Psi 24260 * LINE 1 H= 0.060 0.860 0.006 0.003 0.021 0.211 P= 0.062 0.859 0.012 0.005 0.020 0.202 M=Weld Ten. 71.5 ksi Ten. 70.5 ksi Y/T RATIO = 0.78

11/21 EDITION REFERENCE 5 YEAR 2008 Yield Strength by Strap 0.019 0.020 0.010 0.010 0.020 0.002 0.036 0.002 0.015 0.015 0.000 0.009 0.007 0.029 0.003 0.030 0.000 0.000 0.211 Yield 54.0 ksi %EL 43.5 RB Hydro: Psi RUN: 24260 * LINE 1 H= 0.060 0.860 0.006 0.003 0.021 0.211 P= 0.059 0.864 0.011 0.004 0.020 0.206 M=Weld Ten. 69.0 ksi Ten. 70.5 ksi Y/T RATIO = 0.77

PAGE 15 Continued Form Date: 10/18/2004

Issue No.: 6



SOUTHLAND PIPE & SUPPLY CO CUSTOMER NAME:

Customer Order Number

Date: 11/JUN/2010 MFG Order Number S109173

> R - Retest Legend Analyses: - Additional Testing

Д - Heat Analysis 田中区

- Transitional - Weld Line - Longitudinal H 3 - Product Analysis

Mechanical Properties

7/1/2000 REFERENCE 1: API 5L 41ST EDITION REFERENCE 2: API 5L 42ND EDITION EDITION EDITION

REFERENCE 5: ASTM/ASME ANNUAL BOOK OF STANDARDS SECT.1, VOL 01.01 EDITION REFERENCE 4: API 5L 43RD EDITION 10/4/2004 EDITION REFERENCE 4: API 5L 44TH EDITION 10/1/2008 EDITION 10/4/2004 EDITION

* Manufactured and Melted in the USA.

We hereby certify that the above figures are correct as contained in the records of this company, and that the pipe were manufactured, tested and inspected in compliance with the latest adition of the applicable specification, in Birmingham, Alabama, U.S.A.

of Quality Assurance - Steel Pipe Gordon Manager Noel A.

Form Date: 10/18/2004 End Of Report

Issue No.:

APPENDIX K

DRILLING SPOILS SAMPLING RESULTS FOR THE I-20 SNOW CREEK BRIDGE EXPANSION SUPPORT WORKPLAN – ADDENDUM NO. 1, ANNISTON PCB SITE, ANNISTON, ALABAMA PREPARED BY GENESIS PROJECT, INC.



Memo

To:

Gayle Macolly, Solutia

From:

Michael Price, Genesis Project, Inc. MC

cc:

John Loper, The Loper Group, Inc. Donn Williams, Williams Service Meredith Harris, Roux Associates, Inc.

Alan Fowler, Arcadis, Inc.

Date:

August 9, 2011

Re:

Drilling Spoils Sampling Results for the I-20 Snow Creek Bridge Expansion Support

Workplan-Addendum No. 1, Anniston PCB Site, Anniston, Alabama

On June 1, 2011 and June 7, 2011 Genesis Project, Inc. completed a soil-sampling event located at Interstate 20 (I-20) and Snow Creek in Oxford, Alabama. The sampling was performed in accordance with the I-20 Snow Creek Bridge Expansion Support Project – Addendum No. 1 dated April 19, 2011 (Sampling Plan). The purpose of this soil-sampling event was to determine the concentrations of PCBs, if any, in the drilling spoils from the installation of two (2) steel casings (24-inch and 30-inch diameter) using jack and bore technology for a water line and sewer line expansion project, to characterize the material for disposal.

Sampling Procedures

On June 1, 2011 composite soil samples were collected from each of the six (6) roll-off containers staged at the I-20 construction site. Each roll-off contained approximately 5 cubic yards of soil cuttings (drilling spoils) from the installation of the 30-inch diameter steel casing. On June 7, 2011 composite soil samples were collected from each of the six (6) roll-off containers staged at the I-20 construction site. Each roll-off contained approximately 5 cubic yards of soil cuttings from the installation of the 24-inch steel casing material. One composite soil sample was collected from each roll-off container utilizing a stainless steel hand auger. Three aliquots were collected from each container and combined to form a single composite sample. The composite samples were thoroughly mixed with a stainless steel spoon in a stainless steel bowl before being placed in a clean, 4-ounce sample jar. All sampling equipment was decontaminated between sampling locations utilizing the decontamination procedure outlined in the Quality Assurance Project Plan for the Anniston PCB Site, Revision 5.

Soil Sample Analysis

All samples were field screened for PCBs at 1 part per million (ppm) and 50 ppm using immunoassay techniques by USEPA Method 4020. The results of the field screening analysis are summarized in Table 1.

After review of the field screening data, one soil sample (Container #6, {24" Casing}) was identified that had a field screening result that was indicative of being a false positive result (e.g. the sample analysis was both colorimetrically and photometrically similar to the comparative standard). Additionally, soil sample Container #3 (24" Casing) had a screening result of <1 ppm PCBs but was also similar to the comparative standard. These samples were selected for laboratory analysis for confirmation in order to better inform soil management and disposal decisions. These samples were submitted to Test America Laboratories in Savannah, Georgia for analysis of PCBs by USEPA Method 8082B to confirm the actual concentration levels.

The laboratory analysis confirmed that the screening result for sample Container #6 (24" Casing) was a false positive result and confirmed that Container #3 (24" Casing) was <1 ppm PCBs. Based on field screening and laboratory analysis, all of the excavated material was found to be <1 ppm. The total PCB results for these samples are shown on Table 1. The validated laboratory report is included as Attachment 1.

Based on these results all soil cuttings from the casing installations were placed into the receiving pits.

TABLE

Table 1: Drilling Spoils Field Screening and Laboratory Analytical Results I-20 Snow Creek Bridge Expansion Support Work Plan-Addendum No. 1 Anniston PCB Site, Anniston, Alabama

Sample ID	Spoils Origination	Date Sampled	Field Screening Result (ppm)	Total PCB Laboratory Analytical Result (mg/kg)
Container #1	30" Casing	6/1/2011	<1	NA
Container #2	30" Casing	6/1/2011	<1	NA
Container #3	30" Casing	6/1/2011	<1	NA
Container #4	30" Casing	6/1/2011	<1	NA
Container #5	30" Casing	6/1/2011	<1	NA
Container #6	30" Casing	6/1/2011	<1	NA
Container #1	24" Casing	6/7/2011	<1	NA
Container #2	24" Casing	6/7/2011	<1	NA
Container #3	24" Casing	6/7/2011	<1	0.38
Container #4	24" Casing	6/7/2011	<1	NA
Container #5	24" Casing	6/7/2011	<1	NA
Container #6	24" Casing	6/7/2011	>1	0.58

ppm - parts per million mg/kg - milligrams per kilogram NA - Not Analyzed

ATTACHMENT 1 LABORATORY REPORT

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: Project Name: I-20 Bridge Expansion Project				Project Manager:Project Number:				
	ory: Test America Savannah	_	SDG #: <u>680-69527-1</u>					
	al Method (type and no.): PCB (8082)							
Matrix:								
Sample	Names Container #3 and Container #6							
NOTE:	Please provide calculation in Comment areas or	on the	back (if	on the bac	k please indicate in comment areas).			
Field Inf	formation	YES	NO	NA	COMMENTS			
a)	Sampling dates noted?	\boxtimes						
b)	Sampling team indicated?	\boxtimes						
c)	Sample location noted?	\boxtimes						
d)	Sample depth indicated (Soils)?	\boxtimes						
e)	Sample type indicated (grab/composite)?	\boxtimes						
f)	Field QC noted?			\boxtimes				
g)	Field parameters collected (note types)?			\boxtimes				
h)	Field Calibration within control limits?			\boxtimes				
i)	Notations of unacceptable field conditions/performa	nces fro	om field l		notes?			
,		П	\boxtimes					
j)	Does the laboratory narrative indicate deficiencies?	П	\boxtimes					
"	Note Deficiencies:							
	- Common and the second control of the control of t							
Chain-o	f-Custody (COC)	YES	NO	NA	COMMENTS			
a)	Was the COC properly completed?	\boxtimes						
b)	Was the COC signed by both field							
	and laboratory personnel?	\boxtimes						
c)	Were samples received in good condition?	\boxtimes						
General	(reference QAPP or Method)	YES	NO	NA	COMMENTS			
a)		100						
b)	Were hold times met for sample pretreatment?	\boxtimes						
c)	Were hold times met for sample pretreatment? Were hold times met for sample analysis?	⋈						
-,			7					
d)	Were hold times met for sample analysis?	\boxtimes						
	Were hold times met for sample analysis? Were the correct preservatives used?	\boxtimes						
d)	Were hold times met for sample analysis? Were the correct preservatives used? Was the correct method used?	⊠ ⊠ ⊠						

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks		YES	NO	NA		COMMENTS
a)	Were analytes detected in the method blank(s)?		\boxtimes			
b)	Were analytes detected in the field blank(s)?			\boxtimes		and the same of th
c)	Were analytes detected in the equipment blank(s)?			\boxtimes		
d)	Were analytes detected in the trip blank(s)?			\boxtimes		and the second second second second second second second second second second second second second second second
Labora	atory Control Sample (LCS)	YES	NO	NA		COMMENTS
a)	Was a LCS analyzed once per SDG?	\boxtimes			2 4 2 2 2 2 2	
b)	Were the proper compounds included in the LCS?	\boxtimes				
c)	Was the LCS accuracy criteria met?	\boxtimes				
Duplic	ates	YES	NO	NA		COMMENTS
a)	Were field duplicates collected (note original and du	uplicate	sample r	names)?		
			\boxtimes			
b)	Were field dup. precision criteria met (note RPD)?			\boxtimes		
c)	Were lab duplicates analyzed (note original and dup	plicate s	samples)	?		
			\boxtimes			
d)	Were lab dup. precision criteria met (note RPD)?			\boxtimes		
Blind S	tandards	YES	NO	NA		COMMENTS
a)	Was a blind standard used (indicate name,		\boxtimes			
	compounds included and concentrations)?					
b)	Was the %D within control limits?			\boxtimes		
Matrix	Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA		COMMENTS
a)	Was MS accuracy criteria met?	\boxtimes				
	Recovery could not be calculated since sample contained high concentration of analyte?			\boxtimes		
b)	Was MSD accuracy criteria met?	\boxtimes				
	Recovery could not be calculated since sample contained high concentration of analyte?			\boxtimes		
c)	Were MS/MSD precision criteria met?					
Surrog	ate Spikes	YES	NO	NA		COMMENTS
a)	Were surrogate recoveries within control limits?	\boxtimes	\boxtimes		See below	
b)	Were surrogate recoveries not calculated due to dilutions?		\boxtimes			
Comme	ents/Notes:					
Sample	container #6 had low TCX recovery, DCB recovery a	cceptat	ole , no d	ata affected		

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
None				
		-	 	

				<u> </u>
		-		

Signature: What	Ulision	Date: 06/23/2011	
OTT			

ne



<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-69527-1

Client Project/Site: IW-20 / Soils 6/16/11

For:

Golder Associates Inc. 3730 Chamblee Tucker Road Atlanta, Georgia 30341

Attn: Mr. Steve Moeller

Lideja grizia

Authorized for release by: 06/21/2011 01:39:05 PM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

cc: Mike Price

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 15

1

2

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5

6

7

8

13

14

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

Table of Contents

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Case Narrative

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

Job ID: 680-69527-1

Laboratory: TestAmerica Savannah

3

Narrative

Job Narrative 680-69527-1

5

Receipt

All samples were received in good condition within temperature requirements.

ĵ.

GC Semi VOA

No analytical or quality issues were noted.

7

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Comments

No additional comments.

13

14

Sample Summary

Matrix

Solid

Solid

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11

Client Sample ID

Container #3

Container #6

Lab Sample ID

680-69527-1

680-69527-2

TestAmerica Job ID: 680-69527-1

Received

06/18/11 08:54

06/18/11 08:54

Collected

06/16/11 10:10

06/16/11 10:25

	g		
	4	19	
	g	Shear	
	3.		

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Method Summary

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11

Method Description

Organochlorine Pesticides & PCBs (GC)

Method

8081A_8082

Protocol References:

Laboratory References:

TestAmerica Job ID: 680-69527-1

Laboratory

TAL SAV

Protocol

SW846

Definitions/Glossary

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11

Qualifier Description

Method Detection Limit

Reporting Limit

Surrogate is outside control limits

Indicates the analyte was analyzed for but not detected.

United States Environmental Protection Agency

Indicates a Re-extraction or Reanalysis of the sample.

Not Detected above the reporting level.

These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis.

Relative Percent Difference, a measure of the relative difference between two points.

Qualifiers GC Semi VOA Qualifier

Glossary Abbreviation

RE, RE1 (etc.)

Ū

X

₩

EPA

ND

MDL

RL

%R RPD TestAmerica Job ID: 680-69527-1

Detection Summary

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

	2		

Client Sample ID: Container #3

Lab Sample ID: 680-69527-1



	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
١	PCB-1254	270		39		ug/Kg	1	*	8081A_8082	Total/NA
	PCB-1260	110		39		ug/Kg	1	*	8081A_8082	Total/NA







Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	370		42		ug/Kg	1	ø	8081A_8082	Total/NA
PCB-1260	210		42		ug/Kg	1	¢	8081A_8082	Total/NA



Client Sample Results

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11

Date Collected: 06/16/11 10:10

Client Sample ID: Container #3

TestAmerica Job ID: 680-69527-1

Lab Sample ID: 680-69527-1

Matrix: Solid

Percent Solids: 84.9

33.	

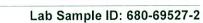












06/19/11 06:30

06/19/11 06:30

Matrix: Solid

Percent Solids: 78.2

06/19/11 18:41

06/19/11 18:41



1







Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	39	U	39		ug/Kg	*	06/19/11 06:30	06/19/11 17:32	1
PCB-1221	78	U	78		ug/Kg	₩	06/19/11 06:30	06/19/11 17:32	1
PCB-1232	39	U	39		ug/Kg	₩	06/19/11 06:30	06/19/11 17:32	1
PCB-1242	39	U	39		ug/Kg	ø	06/19/11 06:30	06/19/11 17:32	1
PCB-1248	39	U	39		ug/Kg	*	06/19/11 06:30	06/19/11 17:32	1
PCB-1254	270		39		ug/Kg	*	06/19/11 06:30	06/19/11 17:32	1
PCB-1260	110		39		ug/Kg	ø	06/19/11 06:30	06/19/11 17:32	1
PCB-1268	39	U	39		ug/Kg	\$	06/19/11 06:30	06/19/11 17:32	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		46 - 130				06/19/11 06:30	06/19/11 17:32	1
DCB Decachlorobiphenyl	90		54 - 133				06/19/11 06:30	06/19/11 17:32	1

Client Sample ID: Container #6

Date Collected: 06/16/11 10:25 Date Received: 06/18/11 08:54

Tetrachloro-m-xylene

DCB Decachlorobiphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	42	U	42		ug/Kg	<u>\$</u>	06/19/11 06:30	06/19/11 18:41	1
PCB-1221	85	U	85		ug/Kg	\$	06/19/11 06:30	06/19/11 18:41	1
PCB-1232	42	U	42		ug/Kg	*	06/19/11 06:30	06/19/11 18:41	1
PCB-1242	42	U	42		ug/Kg	\Diamond	06/19/11 06:30	06/19/11 18:41	1
PCB-1248	42	U	42		ug/Kg	₩	06/19/11 06:30	06/19/11 18:41	1
PCB-1254	370		42		ug/Kg	₩	06/19/11 06:30	06/19/11 18:41	1
PCB-1260	210		42		ug/Kg	Ø	06/19/11 06:30	06/19/11 18:41	1
PCB-1268	42	U	42		ug/Kg	¢	06/19/11 06:30	06/19/11 18:41	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa

46 - 130

54 - 133

37 X

106

Surrogate Summary

DCB1

TCX1

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

Prep Type: Total/NA

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

(54-133) Lab Sample ID **Client Sample ID** (46-130)Container #3 680-69527-1 71 90 680-69527-2 Container #6 37 X 106 680-69527-2 MS Container #6 47 100 680-69527-2 MSD Container #6 45 X 90

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Surrogate Legend TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

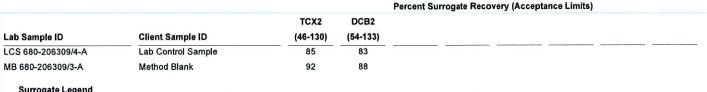
Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Solid

Matrix: Solid

Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits)



Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Prep Type: Total/NA

TCX1 DCB2 (46-130) Lab Sample ID Client Sample ID (54-133)LCSSRM 680-206309/7-A Lab Control Sample 85 131

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

QC Sample Results

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

Client Sample ID: Method Blank

Analyzed

06/19/11 16:22

06/19/11 16:22

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Prepared

06/19/11 06:30

06/19/11 06:30

Prep Type: Total/NA

Prep Batch: 206309

Dil Fac

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

% Recovery Qualifier

92

88

Lab Sample ID: MB 680-206309/3-A

Matrix: Solid

Analysis Batch: 206415

	МВ	МВ								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
PCB-1016	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1221	67	U	67		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1232	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1242	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1248	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1254	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1260	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
PCB-1268	33	U	33		ug/Kg		06/19/11 06:30	06/19/11 16:22	1	
	МВ	МВ								

Lab Sample ID: LCS 680-206309/4-A

Matrix: Solid

Tetrachloro-m-xylene

DCB Decachlorobiphenyl

Surrogate

Analysis Batch: 206415							Prep Batch: 206309
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Spike	LCS	LCS				% Rec.
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits
PCB-1016	333	293	-	ug/Kg	-	88	35 - 130
PCB-1260	333	298		ug/Kg		90	30 - 157

Limits

46 - 130

54 - 133

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
Tetrachloro-m-xylene	85		46 - 130
DCB Decachlorobiphenyl	83		54 - 133

Lab Sample ID: LCSSRM 680-206309/7-A

Matrix: Solid

						Prep Batch: 206309		
Spike	LCSSRM	LCSSRM				% Rec.		
Added	Result	Qualifier	Unit	D	% Rec	Limits		
1500	1830		ug/Kg		122	44 - 188		
3000	4390		ug/Kg		146	45 - 170		
2000	1850		ug/Kg		92	51 - 178		
1500	1360		ug/Kg		91	52 - 137		
	Added 1500 3000 2000	Added Result 1500 1830 3000 4390 2000 1850	Added Result Qualifier 1500 1830 3000 4390 2000 1850	Added Result Qualifier Unit 1500 1830 ug/Kg 3000 4390 ug/Kg 2000 1850 ug/Kg	Added Result Qualifier Unit D 1500 1830 ug/Kg 3000 4390 ug/Kg 2000 1850 ug/Kg	Added Result Qualifier Unit D % Rec 1500 1830 ug/Kg 122 3000 4390 ug/Kg 146 2000 1850 ug/Kg 92	Spike LCSSRM LCSSRM % Rec. Added Result Qualifier Unit D % Rec. 1500 1830 ug/Kg 122 44 - 188 3000 4390 ug/Kg 146 45 - 170 2000 1850 ug/Kg 92 51 - 178	

	LCSSRM	LCSSRM	
Surrogate	% Recovery	Qualifier	Limits
Tetrachloro-m-xylene	85		46 - 130
DCB Decachlorobiphenyl	131		54 - 133

Lab Sample ID: 680-69527-2 MS

Matrix: Solid

								Prep E	Batch: 206309
Sample	Sample	Spike	MS	MS				% Rec.	
Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	
42		424	453	-	ug/Kg	♥	107	35 - 130	
200		424	558		ug/Kg	Ф	81	30 - 157	
	Result 42	Result Qualifier 42	Result Qualifier Added 42 424	Result Qualifier Added Result 42 424 453	ResultQualifierAddedResultQualifier42424453	Result Qualifier Added Result Qualifier Unit 42 424 453 ug/Kg	Result Qualifier Added Result Qualifier Unit D 42 424 453 ug/Kg □	Result Qualifier Added Result Qualifier Unit D % Rec 42 424 453 ug/Kg	Sample Sample Spike MS MS % Rec. Result Qualifier Qualifier Unit D % Rec Limits 42 424 453 ug/Kg \$\frac{1}{2}\$ 107 35 - 130

Client Sample ID: Container #6

Prep Type: Total/NA

QC Sample Results

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

Client Sample ID: Container #6

Prep Type: Total/NA

Prep Batch: 206309



Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-69527-2 MS

Matrix: Solid

Analysis Batch: 206415

MS MS

% Recovery Qualifier Limits Surrogate Tetrachloro-m-xylene 47 46 - 130 DCB Decachlorobiphenyl 100 54 - 133

Lab Sample ID: 680-69527-2 MSD Client Sample ID: Container #6 Prep Type: Total/NA **Matrix: Solid**

Analysis Batch: 206415

Prep Batch: 206309 % Rec. RPD MSD MSD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D % Rec Limits **RPD** Limit ₩ PCB-1016 42 425 402 ug/Kg 95 35 - 130 12 50 ¢ 50 PCB-1260 200 425 469 ug/Kg 60 30 - 157 17 MSD MSD

% Recovery Qualifier Surrogate Limits 45 X 46 - 130 Tetrachloro-m-xylene 90 54 - 133 DCB Decachlorobiphenyl

Lab Chronicle

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11

Date Collected: 06/16/11 10:10

Date Received: 06/18/11 08:54

Client Sample ID: Container #3

Client Sample ID: Container #6

Date Collected: 06/16/11 10:25

Date Received: 06/18/11 08:54

TestAmerica Job ID: 680-69527-1

Lab Sample ID: 680-69527-1

Matrix: Solid

Percent Solids: 84.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B		12-	15.11 g	5 mL	206309	06/19/11 06:30	AW	TAL SAV
Total/NA	Analysis	8081A_8082		1			206415	06/19/11 17:32	JK	TAL SAV

Lab Sample ID: 680-69527-2

Matrix: Solid

Percent Solids: 78.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			15.06 g	5 mL	206309	06/19/11 06:30	AW	TAL SAV
Total/NA	Analysis	8081A_8082		1			206415	06/19/11 18:41	JK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Chain of Custody Record

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

R. 11. C. 854 TestAmerica Laboratories, Inc. 24 HR RUSH 24 HR RUSH Sample Specific Notes: 680-69537 SDG No. SOC . ن ک Months Semple Disposal (A fee may be assessed if samples are retained fonger than 1 month)

Return To Client

Disposal By Lab

Archive For

Monti of CE DI Level II Level II C. C. Date/Time: Datc/Time: Date/Time: COC No: Job No. Company: TH SHV Company: Company: Date: 6/17/11 Carrier:) attairday Site Contact: Tiffany Messier Lab Contact: Lydia Gulizia Received by: Received by: **6CB 8085** × Date/Time: 6/16/11 1400 # of Comt Oatc/Time: Datc/Time: Matrix Analysis Turnaround Time Tel/Fax: 770-319-7217 / 770-319-7219 Project Manager: Tiffany Messier Calendar (C) or Work Days (W) Sample Unknown Type TAT if different from Below Soil Soil Company: Genesis Project, Inc. 2 weeks week 2 days day Preservation Used: 1= Ice, 2= BCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Sample Time 1010 1025 Poison B Sample Date 6/16/11 Company: Company: 6/16/11 Skin Irritant Special Instructions/QC Requirements & Comments: Sample Identification Phone ξ Client Contact Preservessible Hazard Identification

Psychology

Planmable Container #3 Container #6 phone 912.354.7858 fax 912.352.0165 Project Name: 1-20 Genesis Project, Inc. 1258 Concord Road Smyrna, GA 30080 Non-Hazard Relinquished by: 770) 319-7217 (770) 319-7219 Relinquished by: Relinquished by: Site: Solutia P O # 13 of 15









Login Sample Receipt Checklist

Client: Golder Associates Inc.

Job Number: 680-69527-1

Login Number: 69527

List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth		
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	2
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	i

	Ь	



Sample containers have legible labels. True Containers are not broken or leaking. True Sample collection date/times are provided. True Appropriate sample containers are used. True Sample bottles are completely filled. True

N/A

There is sufficient vol. for all requested analyses, incl. any requested True MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in

N/A

diameter. Multiphasic samples are not present.

Sample Preservation Verified.

True True N/A

Samples do not require splitting or compositing. Residual Chlorine Checked.

TestAmerica Savannah

Certification Summary

Client: Golder Associates Inc. Project/Site: IW-20 / Soils 6/16/11 TestAmerica Job ID: 680-69527-1

Laboratory		Authority	Program	EPA Region	Certification ID	K
TestAmerica Sa	avannah	A2LA	DoD ELAP		0399-01	
TestAmerica Sa	avannah	A2LA	ISO/IEC 17025		399.01	Z
TestAmerica Sa	avannah	Alabama	State Program	4	41450	Total
TestAmerica Sa	avannah	Arkansas	Arkansas DOH	6	N/A	I
TestAmerica Sa	avannah	Arkansas	State Program	6	88-0692	1978
TestAmerica Sa	avannah	California	NELAC	9	3217CA	T
TestAmerica Sa	avannah	Colorado	State Program	8	N/A	
TestAmerica Sa	avannah	Connecticut	State Program	1	PH-0161	
TestAmerica Sa	avannah	Delaware	State Program	3	N/A	
TestAmerica Sa	avannah	Florida	NELAC	4	E87052	
TestAmerica Sa	avannah	Georgia	Georgia EPD	4	N/A	
TestAmerica Sa	avannah	Georgia	State Program	4	803	P
TestAmerica Sa	avannah	Guam	State Program	9	09-005r	
TestAmerica Sa	avannah	Hawaii	State Program	9	N/A	
TestAmerica Sa	avannah	Illinois	NELAC	5	200022	
TestAmerica Sa	avannah	Indiana	State Program	5	N/A	
TestAmerica Sa	avannah	Iowa	State Program	7	353	
TestAmerica Sa	avannah	Kansas	NELAC	7	E-10322	
TestAmerica Sa	avannah	Kentucky	Kentucky UST	4	18	1
TestAmerica Sa	avannah	Kentucky	State Program	4	90084	
TestAmerica Sa	avannah	Louisiana	NELAC	6	30690	1
TestAmerica Sa	avannah	Louisiana	NELAC	6	LA100015	1000
TestAmerica Sa	avannah	Maine	State Program	1	GA00006	1
TestAmerica Sa	avannah	Maryland	State Program	3	250	
TestAmerica Sa	avannah	Massachusetts	State Program	1	M-GA006	
TestAmerica Sa	avannah	Michigan	State Program	5	9925	
TestAmerica Sa	avannah	Mississippi	State Program	4	N/A	
TestAmerica S	avannah	Montana	State Program	8	CERT0081	
TestAmerica S	avannah	Nebraska	State Program	7	TestAmerica-Savannah	
TestAmerica S	avannah	Nevada	State Program	9	GA6	
TestAmerica S	avannah	New Jersey	NELAC	2	GA769	
TestAmerica S	avannah	New Mexico	State Program	6	N/A	
TestAmerica S	avannah	New York	NELAC	2	10842	
TestAmerica S	avannah	North Carolina	North Carolina DENR	4	269	
TestAmerica S	avannah	North Carolina	North Carolina PHL	4	13701	
TestAmerica S	avannah	Oklahoma	State Program	6	9984	
TestAmerica S	avannah	Pennsylvania	NELAC	3	68-00474	
TestAmerica S	avannah	Puerto Rico	State Program	2	GA00006	
TestAmerica S	avannah	Rhode Island	State Program	1	LAO00244	
TestAmerica S	avannah	South Carolina	State Program	4	98001	
TestAmerica S	avannah	Tennessee	State Program	4	TN02961	
TestAmerica S	avannah	Texas	NELAC	6	T104704185-08-TX	
TestAmerica S	avannah	USDA	USDA		SAV 3-04	
TestAmerica S	avannah	Vermont	State Program	1	87052	
TestAmerica S	avannah	Virginia	State Program	3	302	
TestAmerica S	avannah	West Virginia	West Virginia DEP	3	94	
TestAmerica S	avannah	West Virginia	West Virginia DHHR (DW)	3	9950C	
TestAmerica S	avannah	Wisconsin	State Program	5	999819810	
TestAmerica S	avannah	Wyoming	State Program	8	8TMS-Q	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

APPENDIX L

IMPORTED STONE DOCUMENTATION

McCARTNEY CONSTRUCTION COMPANY

INCORPORATE



P.O. BOX 1890 GADSDEN, ALABAMA 35902



TELEPHONE 256-547-6386 FAX 256-547-6390



August 17, 2011

Roux & Associates Attn: Meredith Harris

Re: Certification Letter

To Whom It May Concern:

This letter is to certify that the Limestone Quarry owned and operated by McCartney Construction Company Incorporated located at 7575 Eastaboga Road in Eastaboga, Alabama 35260 is an approved aggregate source. The Limestone Quarry conforms to the requirements of ALDOT materials section 801 of the Standard Specifications of approved quarries with source ID number #1414 that manufactures limestone aggregates.

Sincerely,

Kevin L. Ashley, P.E. Professional Engineer



F.M.

BMT-11Rev. 5/89

ALABAMA HIGHWAY DEPARTMENT Bureau of Materials and Tests Plant Mix Extraction Report

	_			T TOTAL THE	DACE	touti repor			Lab No. Date	58W 04-N	ov-10
Project						Sampled by			ck		
County		TALLAD	EGA		-	Sample Time					
Producer	McCAR		Y CONSTRUCTION			Туре Міх	19	-	#57 WA	SHED L'S'	TONE
Source	#1414		SPEEDWAY	Y	-		•				
	0-	mple #1							ample #2		
	Sa		um Weig	ht of Te	st Sa	mnle (1500				
Sieves	Wt. Ret.	% Ret.	% Pass	Spec	(+/-)		Wt.		% Ret.	% Pass	Spec
4					Ì	4					
3 1/2	-					3 1/2					
3						3					
2 1/2						2 1/2					
2						2					
1 1/2	0	0	100	100		1 1/2					100
1	316	2	98	95-100		1					95-100
3/4	4768	3 2	68			3/4					
1/2	9214	61	39	25-60		1/2					25-60
3/8	12118	80	20			3/8			,		
#4	14746	98	2	0-10		#4					0-10
#8	15049	100	0	0-5		#8					0-5
#16						#16				ļ	
#30				ļ	ļ	#30					ļ
#50						#50					
#100					ļ	#100					
#200		<u> </u>			<u> </u>	#200	<u> </u>	and the second second second			<u></u>
Original Sa	ample Wt.		15106.0		***	Original Sar	nple Wt		4		
Moisture V	Vt.					Moisture W	t.				
Sample Wt.(Minus Moisture)					Sample Wt.(M	inus Mois	sture)	***		
Aggregate	Wt.		15060.0			Aggregate W	/t.		***************************************		
Ash Wt.					***	Ash Wt.				~~~	
Filter Wt.						Filter Wt.					
Total Agg.	Wt.			*	_	Total Agg. V	٧t.				*
Bit Wt.						Bit Wt.					
% Bit Wt.(Total Sample)					% Bit Wt.(Te	otal San	nple)			
% Bit Req	d.					% Bit Req'd					
Comments	DECANT:	0.30	IN S	SPEC	-		DEC	ANT.			

F.M.

McGartney Construction Co., Inc. Direction | Speedway Quarry Date Time P.O. Box 1890: Outbound 05/09/11 1 07:27 Oadsden, AL 35902 I-20 OXFORD AL. IM-STAAF-BRF FOM: I-20 (333) FOID TO CORPORATION P. O. BOX 3424 OXFORD Eng. Daily Metric Daily Loads Loads Customer #:405 (TH) 26.86 (t) 24.37 81,580 lb 27,860 lb Material 57 WOSHED Scale01 Gross Stored Tare 53.720 1b 26.86 TN State Pay Item Net Tons PIZ PI GOSTA CONTROL DE LA CON Hauler: 184 JOHN PLOTT COMPANY, INC. JOHN PLOTT Troucles 69 Weigh Master (JMP): Remarks & HOVE A NICE DAY. The Homen and the least Soller makes no warranties, express, actual or implied, including, but not limited to, any warranty of merchantability or warranty of fitness to the goods for any particular purpose, in reference sold. The goods sold pursuant to this contract are sold as is.

McCartney Construction Co., Inc. Speedway Quarry E.O. Box 1890 Outbound 08:52 900513943 Gadsden, AL 35902 Sold To Project: 821969 TAYLOR CORPORATION I-20 DXFORD AL, IM-STAAF-BRE 11 POM: 1-20 (333) P. O. BOX 3424 OXFORD 36203 Eng. Daily Metric Daily Loads Loads Customer #:405 51.92 Material 57011414 77,980 1b 27,860 1b Scaledt Gross 57 WASHED Stored Tare State Pay Item Net 50,120 15 Tons 25.06 TH

Hauler: 184 JOHN PLOTT COMPONY, INC. Truck: 69 JOHN PLOTT

Driver: Jam

Weigh Master (JMP):

Remarks: HAVE A NICE DAY.

acking / Boring Pit

Seller makes no warranties, express, actual or implied, including, but not limited to, any warranty of merchantability or warranty of fitness to the goods for any particular purpose, in reference sold. The goods sold pursuant to this contract are sold "as is".

HANE

McCartney Construction Co., Inc. Speedway Quarry P.O. Box 1890 Gadsden, AL 35902 | Direction | Date | Time | Ticket No | Outbound | 06/02/11 | 11:48 | 000516770 HI MISCELLANEOUS PROJECT 405 Sold To TAYLOR CORPORATION P. D. BOX 3484 OXFORD II Eng. Daily Metric Daily 1. Loads 11 Loads 1 Customer #:405 11 (TN) . 23.11 (4) 20,97 Material 57011414 57 WASHED 74,100 lb 27,080 lb Scale01 Gross Stored Tare Net 46,220 15 State Pay Item N/A Tons TAYLOR CORPORATION Truck: 0T152 TAYLOR CORP Driver: Vimmus Weigh Master (JMP): 7011 Oxford Bore Jacking Pit Remarks: WASTE TREATMENT PLANT Seller makes no warranties, express, actual or implied, including, but not limited to, any warranty of merchantability or warranty of fitness to the goods for any particular purpose, in reference sold. The goods sold pursuant to this contract are sold "as is".

APPENDIX M

IMPORTED FILL DOCUMENTATION

JULY 2004

PARTICLE SIZE DISTRIBUTION & ATTERBERG LIMITS ASTM D421, D422, D4318

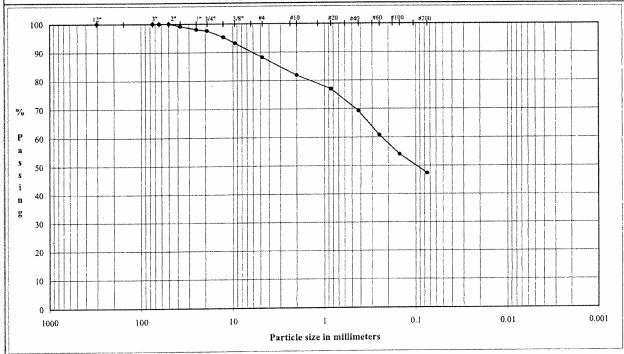
PROJECT NAME: SAMPLE ID:

MONSANTO/RESIDENTIAL SAMPLING/AL MH-SP-1

043-3746

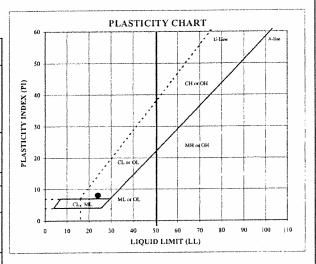
TYPE:

Bulk



	Coarse	Fine	Cuarse	Medium	Fine	Silt or Clay					
1			1		~	EINEC					
COBBLES	(GRAVEL	l	SAN	D	FINES					

		Particle Size		Particle	e Size
		(mm)	% Passica	Classification	Percentage
	12.0"	304.8	100.0		
	3.0"	75.0	100.0	Cobbles	0.00
2	2.5"	63.5	100.0		
age	2.0"	50.0	100.0]	
Sieves Sizes and Numbers	1.5"	37.5	99.1]	
Pug	1.0"	25.0	98.0]	
ses	0.75"	19.0	97.5	Coarse Gravel	2.45
SS	0.50"	12.7	95.3		
cve	0.375"	9.5	93.2]	
	#4	4.8	88.2	Fine Gravel	9.35
Standard	#10	2.0	81.8	Coarse Sand	6.37
Star	#20	0.85	76.9]	
U.S.	#40	0.43	69.2	Medium Sand	12.65
-	#60	0.25	60.7]	
	#100	0.15	54.0]	
	#200	0.075	47.3	Fine Sand	21.88
	Name and the same			Fines	47.30



DESCRIPTION: Reddish Brown, COARSE TO FINE SAND, and silty clay, little coarse to fine gravel. USCS: SC

	Method -	B (Dry pre	paration)	
M.	LL	PĹ	P1	Lì
15.4	24	16	8	-0.02
LL (oven-dried) < 0.75 - ORGANIC (OL/OH)			TECH DATE	PWM/TJ/JH 02/04/02

CHECK REVIEW

ATTERBERG LIMITS

JULY 2004 043-3746

MOISTURE / DRY DENSITY CURVE ASTM D 698 Method A

Mechanical Standard Wet Method

PROJECT NAME:

MONSANTO/RESIDENTIAL SAMPLING/AL

PROJECT NUMBER:

043-3746

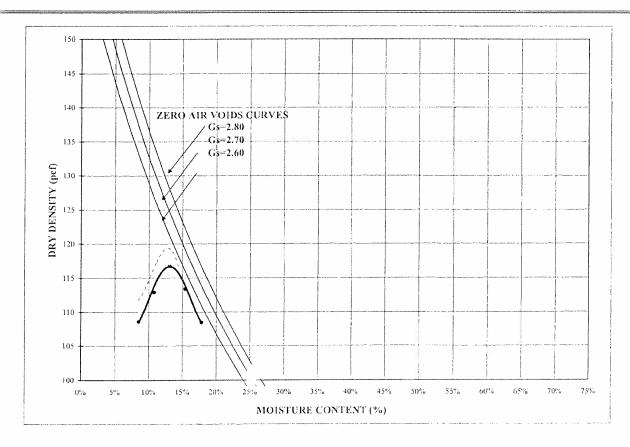
SAMPLE ID:

MH-SP-I

DEPTH: -

SAMPLE TYPE:

Bulk



COMPACTION POINTS											
	Dry	Moisture									
Specimen	Density	Content									
Number	(pcf)	(%)									
ı	108.6	8.5%									
2	112.8	10.8%									
3	116.7	13.1%									
4	113.4	15.4%									
5	108.4	17.8%									

Maximum Dry Density (pcf)	116.6
Optimum Moisture (%)	13.1
Corrected Maximum Dry Density (pcf)	119.2
Corrected Optimum Moisture (%)	

As-Received Moisture Content | 15.4%

% Retained on # 4 sieve
% Retained on 3/8" sieve
% Retained on 3/4" sieve

DESCRIPTION	Reddish Bro	own, COARSE TO FINE SAND, and silty clay,
	little coarse	to fine gravel.
USCS	SC	

CHECK
REVIEW



5102 LaRoche Avenue - Savannah GA 31404 Telephone: (912) 354-7858 Fax: (912) 351-3673

Analytical Report

For: Mr. Steve Moeller

Golder Associates, Inc. 3730 Chamblee Tucker Road

Atlanta, GA 30341 CC: Lori Hendel/G.Macolly

Order Number: S445945A

SDG Number: Client Project ID:

Project: Anniston PCB/Residential Borrow Source

Report Date: 07/20/2004 Sampled By: Client

Sample Received Date: 07/02/2004

Requisition Number:

Purchase Order: 4508648709 Monsanto

Lidya Gulizia, Project Manager

lqulizia@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.



5102 LaRoche Avenue - Savannah GA 31404 Telephone: (912) 354-7858 Fax: (912) 351-3673

Sample Summary

Order: S445945A

Date Received: 07/02/2004

Client: Golder Associates, Inc.

Project: Anniston PCB/Residential Borrow Source

Client Sample ID MH-SP-1 SB-1

SSP-1

 Lab Sample ID
 Matrix
 Date Sampled

 5445945A*1
 Solid
 07/01/2004 13:42

 5445945A*2
 Solid
 07/01/2004 14:36

 5445945A*3
 Solid
 07/01/2004 14:56



5102 LaRoche Avenue - Savannah GA 31404 Telephone:(912) 354-7858 Fax:(912) 351-3673

Analytical Data Report

tab Sample ID	Description				Matrix	Date Received	Date Sampled	SDG#
459 45A-1	MH-SP-1				bilos	07/02/04	07/01/04 13:42	
4594 5A-2	SB-1				Solid	07/02/04	07/01/04 14:36	
459 45A-3	SSP-1				Solid	07/02/04	07/01/04 14:56	
			Lab :	Sample IDs		,,	07,01,01 11.50	
Parameter		Units	45945A-1	45945A-2	4594	5A-3		
PCB's (808	32)							
Aroclor-1016		ug/kg dw	<38	<35	<33			
Aroclor-1221		ug/kg dw	<77	<72	<67			
Aroclor-1232		ug/kg dw	<38	<35	<33			
Aroclor-1242		ug/kg dw	<38	<35	<33			
\roclor-1248		ug/kg dw	<38	<35	<33			
\roclor-1254		ug/kg dw	<38	<35	200P			
roclor-1260		ug/kg dw	<38	<35	470			
kroc lor 1268		ug/kg dw	<38	<35	210			
Surrogate - TCX	*	%	46 %	72 %	59 %			
urrogate - DCB	*	%	74 %	56 %	118 %	ζ.		
Percent Solids			87	93	100			
ilution Factor			1	1	1			
rep Date			07/06/04	07/06/04	07/06	/04		
nalysis Date			07/09/04	07/09/04	07/09	•		
atch ID			0706N	0706N	0706N	•		
uantitation Fac	tor		1.000	1.000	1.000			



5102 LaRoche Avenue - Savannah GA 31404 Telephone: (912) 354-7858 Fax: (912) 351-3673

Analytical Data Report

Lab Sample ID	Description				Matrix	Date 1	Received Date Sampled S	SDG#
45945A-4	Method Blank				Solid	07/02/	/04	
45945A-5	Lab Control Standard	% Recovery			Solid	07/02/	/04	
45945A-6	LCS Accuracy Control	Limit (%R)			Solid	07/02/	/04	
45945A-7	Analyst Initials (Fi	rst Initial.	Last Name)		Solid	07/02/	/04	
			Lab S	Sample IDs				
Parameter	Unit	s	45945A-4	45945A-5	4594	15A-6	45945A-7	
PCB's (80	82)							
Aroclor-1016	ug/k	g dw	<33	94 %	24-1	.32 %	J.KELLAR	
Aroclor-1221	ug/k	g dw	<67				J.KELLAR	
Aroclor-1232	ug/k	g dw	<33				J.KELLAR	
Aroclor-1242	ug/k	g dw	<33				J.KELLAR	
Aroclor-1248	ug/k	g dw	<33				J.KELLAR	
Aroclor-1254	ug/k		<33				J.KELLAR	
Aroclor-1260	ug/k	g dw	<33	91 %	28-1	.53 %	J.KELLAR	
Aroclor 1268	ug/k	g dw	<33				J.KELLAR	
Surrogate - TO	X * %		94 %	82 %	30-1	.50 %	J.KELLAR	
Surrogate - DCI	B * %		94 %	82 %	30-1	.50 %	J.KELLAR	
Dilution Facto	r		1	1				
Prep Date			07/06/04	07/06/04				
Analysis Date			07/08/04	07/08/04				
Batch ID			0706N	0706N				
Quantitation Fa	actor		1.000					



5102 LaRoche Avenue - Savannah GA 31404 Telephone:(912) 354-7858 Fax:(912) 351-3673

Analytical Data Report

Lab Sample ID	Description				Matrix	Date Re	ceived	Date Sampled	SDC#
₫5945A-8	LCS - 093 Custom			······	Solid	07/02/0	4		·
45945A-9	True Value - 093	Custom		Solid	07/02/0	4			
45945A-10	% Recovery - 093	Custom			bifoS	07/02/0	4		
45945A-11	Accuracy Limits -				Solid	07/02/0	4		
	•		Lab S	Sample IDs					
Parameter	U	nits	45945A-8	45945A-9	459	45A-10	459	45A-11	
Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor 1268	u u	g/kg dw g/kg dw g/kg dw g/kg dw	1900 3900 3000 1600	1500 3000 2000 1500	127 130 150 107	% %	45-1 51-1	188 % 170 % 178 % 137 %	
Surrogate - TC			120	170	70 9		30-3	150 %	
Surrogate - DC	-		190	170	112	%	30-1	150 %	
Dilution Facto			1		1				
Prep Date			07/06/04		07/0	06/04			
Analysis Date			07/09/04		07/0	9/04			
Batch ID			0706N	0706N	0706	5N			
Quantitation F	actor		10.00						



5102 LaRoche Avenue - Savannah GA 31404 Telephone:(912) 354-7858 Fax:(912) 351-3673

Order Number: S445945A

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III.

P = Identification of target analytes using GC methodology is based on retention time. Although two dissimilar GC columns confirmed the presence of the target analyte in the sample, relative percent difference is >40 %. Thus, viewer discretion should be employed during data review and interpretation of results for this target compound.

Serial Number 33804

ANALYSIS REQUE	→ 51	L Savannah 02 LaRoche Ave vannah, GA 314			Phone: (912)	Website: www.stl-inc.com Phone: (912) 354-7858 Fax: (912) 352-0165			
TRENT STL	○ Al	Alternate Laboratory Name/Location Phone: Fax:							
PROJECT REFERENCE PROJECT	NO.	PROJECT LOCATION MAT (STATE) (A /			REQUIRED	ANALYSIS		PAGE /	OF /
STL (LAB) PROJECT MANAGER P.O. NUM CDENT (SITE) PM CLIENT F CLIENT F		CLIENT FAX	SOLVENT)	10 to			`	STANDARD REPOR DELIVERY DATE DUE 7 EXPEDITED REPOR	14/0/=
CLIENT RAME, CLIENT E CLIENT ADDRESS	-MAIL	W W		2				DELIVERY (SURCHARGE)	
COMPANY CONTRACTING THIS WORK (if applicable)	der		AIR NONAQUEOUS LIQUID (OIL)				1 2 2	NUMBER OF COOL PER SHIPMENT:	ERS SUBMITTED
SAMPLE SAMPLE SA	AMPLE IDENTIFICATIO	NO POINT	AB	NUN	IBER OF CONT	AINERS SUBMIT	TED .	REMA	RKS
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RECEIVED BY: (SIGNATURE) DATE	TIME	RECEIVED BY: ISIGNATURE)		DATE	TIME	RECEIVED BY	: (SIGNATURE)	DATE	TIME
		11.7	ATORY USE C						n nestition
RECEIVED FOR LABORATORY BY: DATE ISIGNATURE)	TIME 7.46	CUSTODY INTACT CUST SEAL NO	NO. LO	L SAVANNAH G NO. LLL SOZ	LABORATOR	Y REMARKS			

MONSANTO/RESIDENTIAL SAMPLING/AL SUMMARY OF SOIL DATA

Sample Identification	Sample Type	Sample Depth	Soil Classi- fication	Natural Moisture %	L.L.	Li	rberg mits	L.I.	% Finer No. 4 Sieve	Grain Size Distribution % Finer No. 200 Sieve		Compa Maximum Dry Density (lb/cuft)	oction Optimum Moisture %	Gs	Unit W Moisture	/eight Dry (lb/cuft)	Permeability (cm/sec)	Additional Tests Conducted (See Notes)
MH-SP-1	Bulk	-	SC	15.4	24	16	8	-0.02	88.2	47.3	_	119.2	12.5	-	4	-	_	_
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ABBREVIATIONS: LIQUID LIMIT (LL)

PLASTIC LIMIT (PL)
PLASTICITY INDEX (PI)
LIQUIDITY INDEX (LI)
SPECIFIC GRAVITY (Gs)

MOISTURE (Mc)

NOTES: T = TRIAXIAL TEST

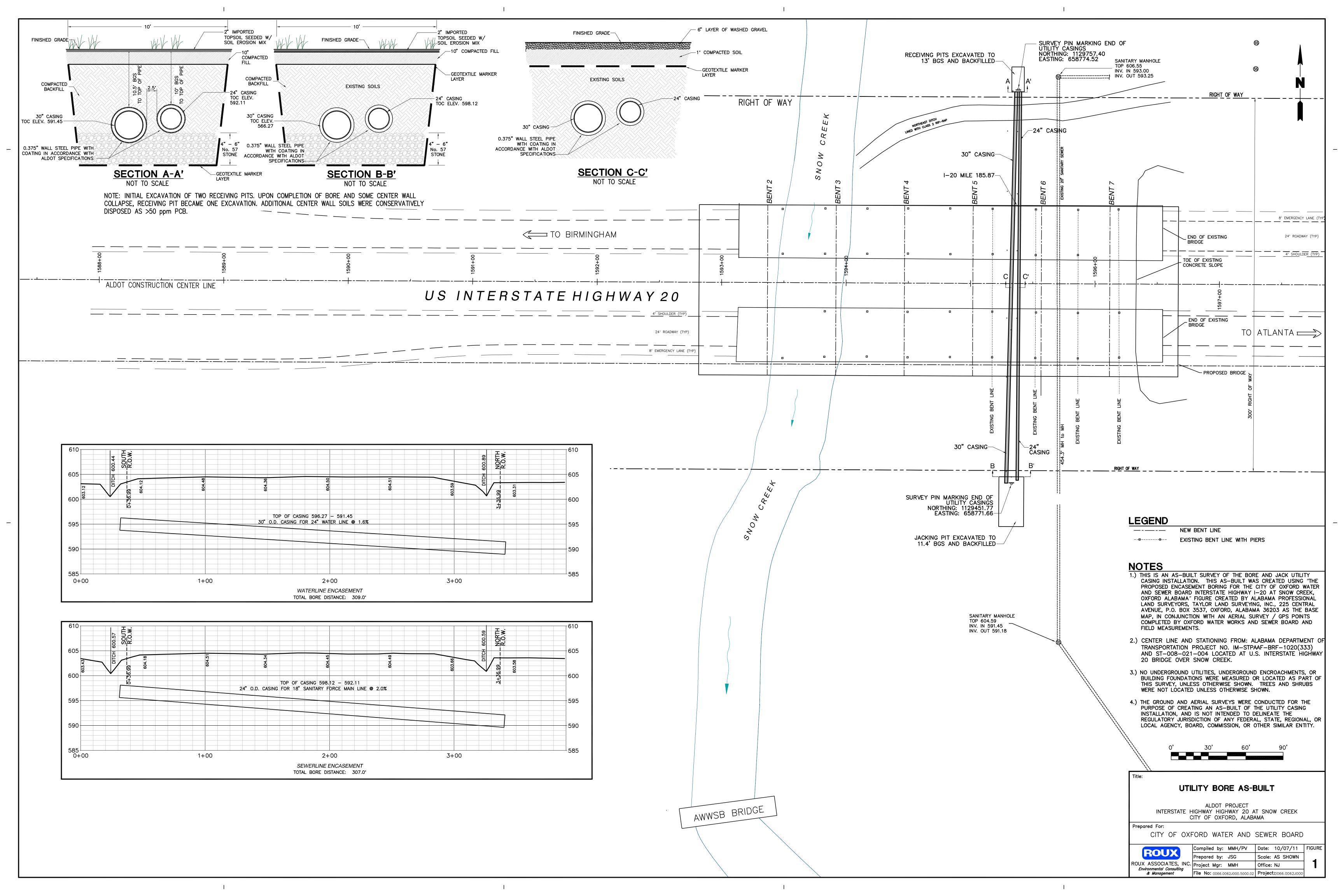
U = UNCONFINED COMPRESSION TEST

C = CONSOLIDATION TEST DS = DIRECT SHEAR TEST O = ORGANIC CONTENT

P = pH

APPENDIX N

AS-BUILT SURVEY



APPENDIX O

OWWSB UTILITY CASING INSTALLATION ACCEPTANCE LETTER





PHONE (256) 831-5618 • FAX (256) 831-9063 P. O. BOX 3663 • 600 BARRY STREET • OXFORD, AL 36203

October 5, 2011

Solutia, Inc.

Re: Casing Installation under I-20 at Snow Creek

To Solutia, Inc., c/o Don Williams:

Regarding the above referenced projects, we have examined the installation of the 30" Steel Casing for Sewer and the 24" Steel Casing for Water. This letter serves as acceptance of the installation by Oxford Water Works and Sewer Board.

Sincerely,

Oxford Water Works and Sewer Board

Wayne Livingston General Manager