August 31, 2015

Jason Metzger, Unit Manager
Georgia Environmental Protection Division
Response & Remediation Program
4244 International Parkway, Suite 104
Atlanta, GA 30354

Re: **Voluntary Remediation Program Remediation Plan**
Birdsong Peanut Plant
608 E Main Street (Hwy 91)
Colquitt, GA
Project No. R1507990
HSI Site No. 10710

Dear Mr. Metzger:

BBJ Group, LLC (BBJ Group), on behalf of Man Investment Holdings, Inc. (Man), respectfully submits this *Voluntary Remediation Plan and Application* to the Georgia Voluntary Remediation Program (VRP) for the Birdsong Peanut Plant located at 608 East Main Street (Highway 91) in Colquitt, Georgia (Subject Property).

If you have any questions regarding this submittal please contact Mr. Kevin McCartney at (312) 644-8556.

Sincerely,

BBJ GROUP, LLC

Leah LaBarge
Staff Geologist

Kevin McCartney, P.G.
Principal

J. Tim Bradburne, P.G.
Georgia Professional Geologist, No. 698

cc: Nancy J. Rich, Esq., Katten Muchin Rosenman LLP

VOLUNTARY REMEDIATION PLAN AND APPLICATION

Birdsong Peanut Plant
608 East Main Street (Highway 91)
Colquitt, Georgia

Submitted to:

Georgia Environmental Protection Division
Atlanta, Georgia

Prepared by:

BBJ GROUP, LLC
Chicago, Illinois

August 31, 2015

BBJ GROUP

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1.0 INTRODUCTION

BBJ Group, LLC (BBJ Group), on behalf of Man Investment Holdings, Inc. (Man), respectfully submits this *Voluntary Remediation Plan and Application* to the Georgia Environmental Protection Division (EPD) Voluntary Remediation Program (VRP) for the Birdsong Peanut Plant (Birdsong) located at 608 East Main Street (Highway 91) in Colquitt, Georgia (Subject Property). For the purposes of this report, the Subject Property is identified as the portion of Birdsong's property that is bounded by East Main Street to the south, railroad tracks to the west, Farmers Avenue to the east, and East Pine Street to the north. A Site Location Map is provided as Figure 1 and a Site Plan is provided as Figure 2.

The Georgia Environmental Protection Division (EPD) listed the Subject Property on the Georgia Hazardous Site Inventory (HSI) as Site Number 10710 due to a release of tetrachloroethene (PCE) in groundwater. Remediation of the release under the Georgia EPD Hazardous Site Response Act (HSRA) Program included in-situ chemical oxidation, which oxidized trivalent chromium (Cr^{+3}) present in the groundwater into hexavalent chromium (Cr^{+6}), thereby creating groundwater exceedances of Cr^{+6} in several on-site monitoring wells. These monitoring wells are located in the southwestern portion of the Subject Property in the former chemical injection area.

Groundwater monitoring has occurred at the Subject Property since 2009 to characterize and delineate the groundwater plume. BBJ Group has prepared this Voluntary Remediation Plan and Application to enroll the Subject Property into the Georgia EPD VRP and remove the Subject Property from the HSI. The Voluntary Investigation and Remediation Plan Application Form is provided as Appendix A. A Warranty Deed and Tax Plat are provided as Appendix B and C, respectively. The remainder of this *VRP Plan* is organized as follows:

- Section 2.0: Site Background;
- Section 3.0: Site Setting;
- Section 4.0: Nature and Extent of Contamination;
- Section 5.0: Exposure Assessment;
- Section 6.0: Proposed Corrective Action;
- Section 7.0: Proposed Schedule; and
- Historical Reports included as appendices.

2.0 SITE BACKGROUND

2.1 Site Description

The Subject Property consists of one parcel of land, totaling approximately 10.89 acres[1], located at 608 East Main Street (Highway 91) in Colquitt, Georgia. The parcel identification number is C014-027000 and is owned by to the Birdsong Corporation. The Subject Property is improved with seven structures used for agricultural chemical and fertilizer storage and office space. The Subject Property is adjoined by East Main Street to the south, railroad tracks to the west, a stand of trees and Farmers Avenue to the east, and East Pine Street to the north.

[1] Per the Miller County Assessor's webpage:
http://qpublic7.qpublic.net/qpmap4/map.php?county=ga_miller&parcel=C014+027000&extent=2121496+425735+2124020+428431&layers=parcels+streetnum+roads+parcel_sales

2.2 Site History

Based on BBJ Group's review of historical documents[2], the Subject Property previously consisted of a residential and agricultural property owned by Farmer's Feed and Milling Company (FFM) and a lumber mill until the early 1950s. In the late 1950s, the Subject Property was used for the production of fertilizer. In the early 1960s, peanut plant operations began at the Subject Property, including peanut shelling and distributing. United Agricultural Products (UAP) leases a fertilizer storage building in the southwest portion of the Subject Property. The remainder of the Subject Property is operated by Birdsong Peanut Plant.

The Subject Property has been the subject of several environmental assessments, remedial activities and groundwater monitoring events. These investigations were performed during past HSI activities to assess impacts at the Subject Property. The following subsections present a concise summary of documents reviewed and referenced in the preparation of this VRP Remediation Plan to provide an overview of the former and current conditions of the Subject Property. A Site Plan with Sample Locations is provided as Figure 3. Tables of historical soil and groundwater laboratory analytical results are provided as Tables 1 and 2, respectively.

2.2.1 2000 Geosciences Sampling Report

Geosciences Inc. prepared a Monitoring Well Installation and Sampling FFM Main Facility Letter Report dated October 31, 2000 (2000 Geosciences Sampling Report). Monitoring wells MW-4 through MW-6[3] were installed in August of 2000 in locations recommended for further investigation per a Phase I Environmental Site Assessment (ESA) prepared by Geosciences, dated October 13, 1999. Soil samples collected from the monitoring well boreholes were submitted for laboratory analysis of one or more of the following: volatile organic compounds (VOCs), herbicides, pesticides, nitrate-nitrogen, and arsenic.

Soil laboratory analytical results did not detect constituents of concern (COCs) above HSRA Soil Notification Concentrations (NCs); however, carbon disulfide was detected in the sample collected from 18.5 to 20 feet below ground surface (bgs) in MW-5[4].

Groundwater samples from the monitoring wells were submitted for laboratory analysis of VOCs, herbicides, pesticides, and nitrate-nitrogen in all three monitoring wells and polynuclear aromatic hydrocarbons (PAHs) and arsenic in MW-5 and MW-6. Groundwater laboratory analytical results indicated that PCE was detected in MW-6 at a concentration above the maximum contaminant limit (MCL), while nitrate was detected above the MCL in all three monitoring wells. A release was reported to the Georgia EPD under HSRA 391-3-19-04 (3)(b) as PCE and nitrate. These analytes are regulated under HSRA and the concentrations detected exceeded the "naturally-occurring" background concentrations. The source of the PCE and carbon disulfide were not identified by Geosciences. The 2000 Geosciences Sampling Report is provided as Appendix D.

[2] 2005 Conestoga-Rovers & Associates (CRA) HSRA Compliance Status Report (CSR), dated September 2005 and a Revised Corrective Action Plan prepared by CRA, dated August 2011
[3] MW-1 through MW-3 were installed on the larger Birdsong property, and not on the Subject Property itself. Documentation was not provided to BBJ Group regarding the date and location of installation.
[4] The Notification Concentration (NC) for carbon disulfide is defined to be the detection limit because the substance is classified as an "acute hazardous waste."

2.2.2 2001 Geosciences Confirmation Sampling Letter Report and 2001 Release Notification Form

A Soil/Groundwater Confirmation Sampling Letter Report was prepared by Geosciences and dated January 15, 2001 (2001 Geosciences Confirmation Sampling Letter Report). On December 15, 2000, Geosciences collected four additional soil samples to assess the presence of carbon disulfide from two soil borings in the vicinity of MW-5 and one additional groundwater sample from MW-6 to evaluate the prior PCE detection. Carbon disulfide was not detected above laboratory detection limits in any of the soil samples. PCE was detected again at MW-6 in exceedance of the MCL. Geosciences recommended that the FFM facility make initial notification of a PCE release to the Georgia EPD.

A Release Notification Form was prepared by Geosciences and signed by George Y. Birdsong, dated March 14, 2001, (2001 Release Notification Form). The Release Notification Form was submitted for the PCE exceedances and identified Birdsong Peanut (formerly FFM) as the owner and operator of the Subject Property. The source of the release and the release date were listed as "unknown". The 2001 Geosciences Confirmation Sampling Letter Report and 2001 Release Notification Form are provided as Appendix E and F, respectively.

2.2.3 2001 CRA Supplemental Phase II ESA

Conestoga-Rovers & Associates (CRA) prepared a Supplemental Phase II ESA, dated October 18, 2001 (2001 CRA Supplemental Phase II ESA). As presented in the 2001 CRA Supplemental Phase II ESA, the Georgia EPD delayed the listing of the Subject Property on the HSI to allow additional sampling to determine the extent of PCE in groundwater. CRA oversaw the advancement of 10 soil borings at the Subject Property and field laboratory analysis for chlorinated VOCs. Groundwater samples were collected from the base of each boring location. Additionally, two shallow monitoring wells (MW-8 and MW-9) and one deep monitoring well (MW-7D) were installed. The three newly installed monitoring wells along with the three existing monitoring wells were sampled for PCE and daughter products [i.e. 1,1-dichloroethane, 1,2-dichloroethene, trichloroethene (TCE), and vinyl chloride].

PCE was detected in two soil samples in exceedance of the HSRA Soil NCs in two samples collected at 21 and 25.5 feet bgs in the west-central portion of the Subject Property. CRA stated that this was a result of dissolved PCE migration from shallow groundwater or shallow vapors and was not indicative of soil impacts. Groundwater laboratory analytical results indicated that five locations (three borings, MW-5, and MW-6) had PCE concentrations above the MCLs, all located in the southwestern portion of the Subject Property. Additionally, CRA conducted interviews of employees which found that a parts repair shed located on the southwestern portion of the Subject Property where the PCE exceedances were found could have used degreasing agents that resulted in a release. CRA recommended performance of an accelerated corrective response using chemical injection.

The Georgia EPD determined that a reportable PCE release had occurred at the Subject Property. The release letter was dated December 17, 2001 (2001 HSI Listing Letter). The Subject Property was assigned HSI site number 10710 and Corrective Action Site Class 2. The 2001 CRA Supplemental Phase II ESA is provided as Appendix G, and the 2001 HSI Listing Letter is provided as Appendix H.

2.2.4 2003 CRA Voluntary Remediation Progress Report and 2003 CRA Focused Delineation Progress Report

CRA prepared a Voluntary Remediation Progress Report, dated March 28, 2003 (2003 CRA Voluntary Remediation Progress Report) which stated that two potassium permanganate injections had been

conducted at the Subject Property. Groundwater data was collected before the first injection (August 2001, July 2002, and September 2002), after the first injection (October 2002), and after the second injection (February 2003). Prior to the first injection, PCE was detected in MW-5, MW-6, and MW-10 above the MCLs. The first injection was located in the southwest portion of the Subject Property, between the UAP Fertilizer Storage Building and the UAP Chemical Storage Building. Groundwater confirmation sampling in October 2002 indicated that PCE was detected in MW-5 and MW-7D above the MCLs. The second injection was in MW-5 and MW-7D. Confirmation sampling conducted in February 2003 after the second injection identified that PCE was not detected above MCLs in any of the monitoring wells except MW-10. CRA attributed the PCE concentration in MW-10 to rising groundwater in the area into a "smear zone" of PCE trapped within the soil near MW-10, which was investigated in a Focused Delineation Progress Report, dated May 27, 2003 (2003 CRA Focused Delineation Progress Report).

On April 24 and 25, 2003, CRA oversaw the advancement of 7 soil borings in the vicinity of MW-10. Thirteen soil samples and six groundwater samples were collected from the borings and submitted for laboratory analysis of VOCs. No VOCs were detected above laboratory RLs in any of the soil samples. However, PCE was detected above the MCL in two of the six groundwater samples. Based on these results, CRA concluded that the PCE impacts to groundwater were limited to the vicinity of MW-10 and to the south. The 2003 CRA Voluntary Remediation Progress Report and 2003 CRA Focused Delineation Progress Report are provided as Appendix I and J, respectively.

2.2.5 2003 CRA Repeat Chemical Injection Progress Report and CRA Status Reports

An additional potassium permanganate injection was conducted in August 2003 and detailed in a Repeat Chemical Injection Progress Report, prepared by CRA was provided to BBJ Group and dated October 27, 2003 (2003 CRA Repeat Chemical Injection Progress Report). Confirmation groundwater sampling from vicinity monitoring wells indicated that PCE was detected in MW-5, MW-6, and newly installed MW-11 above the MCL, with the highest concentration being detected in MW-11.

CRA prepared Status Reports, dated August 17, 2004 (August 2004 CRA Status Report) and November 16, 2004 (November 2004 CRA Status Report) which detail spot injections around MW-11. Groundwater confirmation samples were collected from vicinity monitoring wells in July 2004 and October 2004. Laboratory analytical results from July 2004 indicate that PCE was detected in MW-6, MW-11, and MW-12 above the Type 1 Risk Reduction Standard (RRS) and below the Type 4 RRS. An additional injection was conducted in the area of these three wells, and October 2004 confirmation samples indicate that PCE was detected in MW-6, MW-10, MW-11, and MW-12 above the Type 1 RRS. However, only the PCE detection in MW-11 was above the Type 4 RRS. The 2003 CRA Repeat Chemical Injection Progress Report is provided as Appendix K. The August and November 2004 CRA Status Reports are provided as Appendix L and M, respectively.

2.2.6 2005 CRA HSRA CSR

The 2005 CRA HSRA Compliance Status Report (CSR) was prepared by CRA and dated September 2005, which outlines field activities conducted at the Subject Property since October 2004. Specifically, three additional shallow monitoring wells were installed downgradient (MW-13) and sidegradient (MW-14 and MW-15) of MW-11. Groundwater sampling from June and August 2005 identified PCE above the Type 1 RRS in MW-6, MW-11, MW-12, MW-13, and MW-16; however, only MW-11 detected PCE above the Type 4 RRS. Eight additional soil borings were advanced in areas of historic PCE detections, which did not have samples detected above the Type 1 RRS in any sample. Temporary monitoring wells installed in six of these borings detected PCE in three temporary well locations above the Type 1 RRS

and one location being above the Type 4 RRS. Based on these results, CRA delineated the PCE groundwater plume to be located in an approximately 150-foot by 50-foot area in the southwest portion of the Subject Property at a depth of 20 to 50 feet bgs. The 2005 CRA HSRA CSR is provided as Appendix N.

2.2.7 2007 CRA Preliminary Status Report of Full Scale Injection Program

A Preliminary Status Report of Full Scale Injection Program was prepared by CRA on February 21, 2007 (2007 CRA Preliminary Status Report of Full Scale Injection Program). On November 8 through 19, 2006, CRA oversaw injections at 60 injection points in a grid of 220-feet by 60-feet centered on the PCE groundwater plume. Confirmation groundwater samples were collected from ten on-site monitoring wells in December 2006, of which only MW-6 detected PCE above the Type 1 RRS. All PCE concentrations were below the Type 4 RRS. CRA recommended an additional round of sampling to determine if the exceedance in MW-6 was representative of the post-injection groundwater data. The 2007 CRA Preliminary Status Report of Full Scale Injection is provided as Appendix O.

2.2.8 2007 CRA Groundwater Sampling Summary and Update

A Groundwater Sampling Summary was prepared by CRA, dated May 10, 2007 (2007 CRA Groundwater Sampling Summary). On April 10, 2007, CRA collected an additional round of groundwater samples from seven on-site monitoring wells. PCE was not detected in any of the groundwater samples above laboratory RLs. CRA concluded that the residual PCE in groundwater had been "eliminated." The 2007 CRA Groundwater Sampling Summary is provided as Appendix P.

2.2.9 2007 CRA Groundwater Sampling Summary Update

CRA drafted an updated Groundwater Sampling Summary dated August 14, 2007 (2007 CRA Groundwater Sampling Summary Update). Eight monitoring wells were sampled semiannually for laboratory analysis of chlorinated VOCs, arsenic, barium, cadmium, chromium, lead, selenium, and silver to "provide a post-injection baseline." Laboratory analytical results indicated that VOCs were not detected above laboratory RLs in any of the groundwater samples. However, total chromium was detected in MW-6 above the Type 1 and 4 RRS for Cr^{+6} but below the Type 4 RRS for Cr^{+3}. The 2007 CRA Groundwater Sampling Summary Update is provided as Appendix Q.

2.2.10 2009 CRA Groundwater Sampling Summary

Multiple groundwater monitoring wells were sampled on March 5, 2009 as part of the Groundwater Sampling Summary, prepared by CRA, dated April 21, 2009 (2009 CRA Groundwater Sampling Summary). Groundwater samples were submitted for laboratory analysis of total and dissolved metals. Metals were detected below the Type 1 and Type 4 RRSs in every monitoring well, except for total chromium in MW-6 and MW-11 above the Type 1 RRS (but below the Type 4 RRS) and selenium in MW-10 above the Type 1 and 4 RRS. CRA concluded that the metals exceedances were common for potassium permanganate injection areas and would dissipate over time and distance. The 2009 CRA Groundwater Sampling Summary is provided as Appendix R.

2.2.11 2009 CRA CAP

A Corrective Action Plan (CAP) was prepared by CRA and dated December 2009 (2009 CRA CAP), which identified a threefold approach to corrective action as follows:

(1) Placement of notices in private property instruments,
(2) Placement of an affidavit in the County Deed records; and
(3) Annual Monitoring Program to ensure compliance with Type 4 RRSs.

The annual monitoring program specifically entailed an annual on-site inspection to inspect Subject Property non-residential use, an annual written report summarizing compliance, and a notice to Georgia EPD prior to any transfer of the Subject Property. Annual groundwater monitoring was also recommended to demonstrate eventual compliance with the Type 1 or 2 RRSs. The 2009 CRA CAP is provided as Appendix S.

2.2.12 2010 CRA Groundwater Sampling Summary

Groundwater sampling was conducted at multiple monitoring wells in March 2010 as detailed in the Groundwater Sampling Summary, prepared by CRA, dated May 5, 2010 (2010 CRA Groundwater Sampling Summary). Samples were submitted for laboratory analysis of total and dissolved metals, as well as speciated chromium. Laboratory analytical results indicated that cadmium and selenium were detected in MW-10 above the Type 1 RRS but below the Type 4 RRS. Cr^{+3} was not detected in any groundwater sample above the Type 1 RRS. However, Cr^{+6} was detected in each groundwater sample above the Type 1 RRS and Type 4 RRS except for MW-5, where it was detected only above the Type 1 RRS. CRA noted that Cr^{+6} concentrations appeared to be highest in the historical potassium permanganate injection area to treat PCE. The 2010 CRA Groundwater Sampling Summary is provided as Appendix T.

2.2.13 2011 CRA Revised CAP

A Revised Corrective Action Plan was prepared by CRA, dated August 2011 (2011 CRA Revised CAP). The 2011 CRA Revised CAP described a March 2011 groundwater sampling event in which four of the monitoring wells located within the historical injection area were sampled. Samples were submitted for laboratory analysis of total and dissolved arsenic, cadmium, chromium, copper, lead, manganese, potassium, selenium, and silver, as well as speciated chromium. Laboratory analytical results indicated that Cr^{+3} was detected above the Type 1 RRS in MW-6, MW-10, and MW-11 but below the Type 4 RRS. Cr^{+6} was detected above the Type 1 and Type 4 RRS in MW-6, MW-10, and MW-11. Additionally, in May 2011, a treatability study and bench scale test was conducted to evaluate several options to remediate the metals at the Subject Property. The results indicated that a dose of 0.24 grams per liter (g/L) sodium thiosulfate and 0.24 g/L ferrous sulfate effectively removed dissolved chromium and residual potassium permanganate from the groundwater samples. The 2011 CRA Revised CAP is provided as Appendix U.

2.2.14 2012 CRA Status Update

CRA prepared a Status Update – Pilot Injection and Performance Monitoring and Annual Groundwater Monitoring and Reporting Letter on June 27, 2012 (2012 CRA Status Update Letter) that outlined a pilot scale injection of sodium thiosulfate and ferrous sulfate solution at the Subject Property. Specifically, 55 temporary injection points were advanced to a maximum depth of 40 feet bgs in a grid covering a 75-foot by 215-foot area. Two post-injection groundwater sampling events (November and December 2011) were conducted and results were compared to pre-injection "baseline" values. Total chromium and Cr^{+6} concentrations were below the pre-injection baseline values in most monitoring wells, with the exception of MW-11 which exceeded the baseline concentrations and the Type 1 and 4 RRS. Cr^{+3} was also reported above the baseline values and the Type 1 RRS in MW-10 but below the Type 4 RRS. CRA attributed the inconclusive success of the injections to a 3 to 4.5 foot increase in groundwater

elevation since March 2011 which may have increased metals concentrations in monitoring wells at the Subject Property.

Annual sampling was conducted at the Subject Property in March 2012. Laboratory analytical results from the annual sampling indicated that Cr^{+6} levels remained below or at the pre-injection baseline levels in all monitoring wells, but the concentrations had rebounded above the December 2011 post-injection concentrations. Additionally, Cr^{+6} concentrations remained above the Type 1 and Type 4 RRS in MW-6, MW-10, and MW-11. Cr^{+3} was detected at concentrations below the Type 4 RRS in all sampled monitoring wells but above the Type 1 RRS in MW-10 and MW-11. Total and dissolved cadmium and selenium concentrations were also detected above the Type 1 RRS in MW-6. The 2012 CRA Status Update Letter is provided as Appendix V.

2.2.15 2013 and 2014 BBJ Group Annual Monitoring Reports

Groundwater Monitoring Reports from April 2013 and April 2014 were prepared by BBJ Group, dated May 30, 2013 (2013 BBJ Group Groundwater Monitoring Report) and May 28, 2014 (2014 BBJ Group Groundwater Monitoring Report), respectively. BBJ Group collected groundwater samples from MW-6, MW-7D, MW-10, and MW-17D. Samples from the monitoring wells were submitted for laboratory analysis of total and dissolved chromium and speciated chromium in 2013 and total chromium and speciated chromium in 2014. Laboratory analytical results from both events indicated that Cr^{+6} was detected at concentrations exceeding the Type 1 and Type 4 RRS in MW-6 and MW-10. No dissolved total chromium or Cr^{+6} was detected in deep wells (i.e. MW-7D and MW-17D) in exceedance of the Type 1 or Type 4 RRS. However, Cr^{+3} was detected above the Type 1 RRS in MW-7D in 2014. No dissolved Cr^{+3} was detected in concentrations exceeding the Type 1 or Type 4 RRS in any of the groundwater samples in 2013. The 2013 and 2014 BBJ Group Groundwater Monitoring Reports are provided as Appendix W and X, respectively.

3.0 SITE SETTING

3.1 Site Geology

Based on the data collected during the monitoring well installations and soil boring advancements at the Subject Property, the primary subsurface soil type is silt-clay-sand mixtures from the ground surface to depths of 24 to 32 feet bgs with clay and sandy clay at depth. There are also isolated lenses of the weathered limestone bedrock at the Subject Property. Specifically, two discontinuous weathered limestone layers have been identified at the Subject Property. The first shallow, limestone layer was identified at depths from 14 to 20 feet bgs, and the second layer was encountered from 40 to 55 feet bgs. Competent bedrock was not encountered during investigations to a depth of 80 feet bgs.

3.2 Site Hydrogeology

The weathered limestone lenses at the Subject Property appear to limit groundwater flow rather than provide preferential pathways. Consequently, groundwater at the Subject Property exists in somewhat isolated perched zones, rather than a continuous layer. Groundwater encountered during investigations at the Subject Property seem to be located in two isolated, confined water bearing units. The shallow and deep water bearing units were intersected at depths of approximately 20 and 40 feet

bgs, respectively. Both units were characterized by brown, sandy clay. The water bearing units are separated by an impermeable limestone layer[5].

Depth to groundwater at the Subject Property ranges from 0.5 to 25 feet bgs. Hydraulic conductivity (slug) tests previously conducted at MW-8 and MW-9 yielded a hydraulic conductivity of 4.0×10^{-5} centimeters per second (cm/s) in MW-8 and 3.1×10^{-7} cm/s in MW-9. The Georgia EPD recommended that additional slug tests be performed at the Subject Property. Therefore, in the CAP Addendum prepared by CRA and dated June 6, 2006, CRA performed additional slug tests at MW-5, MW-7D, MW-15, and MW-17D with results as follows:

Monitoring Well	Hydraulic Conductivity (cm/s)
MW-5	6.3×10^{-2}
MW-7D	4.5×10^{-3}
MW-15	6.6×10^{-6}
MW-17D	7.8×10^{-2}

Based on the results of a groundwater modeling program (i.e., SURFER 10) using the most recent groundwater gauging data from 2014, the interpreted groundwater flow direction is to the south. This is consistent with historical groundwater flow studies at the Subject Property. The hydraulic gradient was calculated to be 0.022. A potentiometric surface map is provided as Figure 3.

4.0 NATURE AND EXTENT OF CONTAMINATION

The Subject Property was listed on the HSI as Site Number 10710 due to a release of PCE in groundwater. PCE and its daughter products were targeted by an injection of potassium permanganate beginning in November 2006. Subsequent sampling indicated that PCE in groundwater had been remediated to non-detect concentrations. However, chromium was detected in several monitoring wells in exceedance of Type 1 and 4 RRSs. Cadmium and selenium were detected in one monitoring well, MW-6, above the Type 1 RRS but below the Type 4 RRS. The following subsections outline the nature and extent of the contamination. A Conceptual Site Model Diagram and a Conceptual Site Model are provided as Figures 4 and 5, respectively.

4.1 Soil

VOCs, herbicides, pesticides, nitrate-nitrogen, and arsenic have not been detected in soil in exceedance of Georgia EPD NCs or the Type 1 RRSs. PCE was detected in two soil samples in exceedance of the HSRA Soil NC at 21 and 25.5 feet bgs in the west-central portion of the Subject Property. However, CRA stated that this was a result of dissolved PCE migration from shallow groundwater or shallow vapors and was not indicative of soil impacts. As such, the nature and extent of contamination at the Subject Property appear to be limited to groundwater.

4.2 Groundwater

Groundwater previously impacted with PCE above Type 1 and 4 RRSs has since been remediated to below the Type 1 RRS. Groundwater sampling at the Subject Property since 2009 has revealed that total Cr^{+3} is decreasing within the former PCE groundwater plume. Additionally, total chromium in MW-6, downgradient from the source area, is decreasing and reached a historical low concentration

[5] The Ocala Limestone is mostly clay-filled making it impermeable.

in 2014. Total chromium, Cr^{+3}, and Cr^{+6} in the deeper water bearing unit are below Type 1 and Type 4 RRSs, with the exception of Cr^{+3} in MW-7D, which was marginally above the Type 1 RRS for Cr^{+3} in 2014. Specifically, the exceedances appears to be limited to the former chemical injection area. Selenium and cadmium were also detected in MW-10 marginally above the Type 1 RRS and below the Type 4 RRS. Chromium in groundwater laboratory analytical results from June 2007 to April 2014 are provided in Table 3.

5.0 EXPOSURE ASSESSMENT

5.1 Contaminant Sources and Release Mechanisms

Site investigations at the Subject Property suggested that a parts repair shed may have been the source of the PCE. While remediating the PCE exceedances, injections of potassium permanganate oxidized Cr^{+3} present in the groundwater into Cr^{+6}.

5.2 Potential Receptors and Exposure Routes

The Subject Property is currently used for commercial/industrial purposes. Historically, data has been compared to multiple RRSs and standards. Going forward, soil and groundwater data collected at the Subject Property will be compared to the Type 1 and Type 4 RRSs, respectively. Based on the data and results presented in historical investigation reports, the potential exposure routes are summarized as follows.

5.2.1 Soil

No analyzed parameters were detected in any soil samples above the Type 4 RRSs. PCE, a historical COC, ranged from 3.2 micrograms per kilogram (µg/kg) to 29 µg/kg; however, these concentrations are well below the Type 1 RRS of 500 µg/kg. Therefore, there are no potential soil receptors for the Subject Property.

5.2.2 Groundwater

Data from the most recent groundwater sampling event revealed Cr^{+6} above the Type 4 RRS in MW-6 and MW-10. Additionally, the most recent data collected from MW-11 revealed Cr^{+6} above the Type 4 RRS.

Construction worker notification is necessary to ensure that construction workers are notified of the potential health hazards and that proper industrial hygiene practices are observed in the area surrounding MW-6, MW-10, and MW-11 where Cr^{+6} was identified in excess of the Type 4 RRS.

A City of Colquitt Public Water Supply Well (Well #3) is located to the west (sidegradient) that is drilled to a depth of 210 feet bgs and cased for 150 feet[6]. According to the Georgia Geologic Survey, the City of Colquitt, including the Subject Property and vicinity properties, receives its water supply solely from Well #3 which is screened in the Ocala Limestone. The Ocala Limestone is located at depths of 90 or more feet bgs in the Colquitt area. According to the City of Colquitt Code of Ordinances[7], the wellhead protection radius for a city water supply well is 5,280 feet.

[6] https://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/PR-28.pdf
[7] https://www.municode.com/library/ga/colquitt/codes/code_of_ordinances?nodeId=PTIICOOR_CH34EN_ARTVIIWEPR

Well management zones are defined in the Georgia Rules for Safe Drinking Water Chapter 391-3-5-.40 as follows:

- The Control Zone: A zone in the immediate vicinity of the well in which activities must be controlled so as to produce the minimum amount of potential pollutants;
- The Inner Management Zone (IMZ): The IMZ covers a 500 foot radius from the well in wells that draw water from unconfined aquifers and springs in areas of karst; and
- The Outer Management Zone (OMZ): The OMZ extends from the edge of the IMZ to an area determined by hydrogeologic mapping or until the edge of the Wellhead Protection radius.

Additionally, in Project Report 28, the Georgia Geologic Survey defines the Zone of High Vulnerability (ZHV) as a subpart of the OMZ in areas where contaminants can travel rapidly to reach the well.

The portion of the land under the Uniform Environmental Covenant (UEC) that is the closest to Well #3 is 505 feet away, locating the Subject Property within the Outer Management Zone (OMZ). However, the Subject Property is not believed to lie within the ZHV, the groundwater flow does not appear to be towards Well #3 and the area does not appear to be concentrated in "landform features indicative of enhanced recharge.[8]" In the 2005 CRA HSRA CSR, CRA calculated that it would take 300 years for groundwater to flow from the wellhead cone of depression (located 450 feet west of the UEC boundary) to the screened portion of Well #3. Consequently, BBJ Group does not regard Well #3 as a receptor. Further, concentrations of Cr^{+6} in the shallow water bearing unit above Type 4 RRS appear to be (1) isolated to a small, discrete area onsite and (2) present at depths less than 55 feet bgs (Well #3 is cased to a depth of 150 feet bgs). Additionally, Cr^{+3} was only detected in two monitoring wells above the Type 1 RRS. Those two wells are located approximately 620 feet southwest (sidegradient) of Well #3.

5.3 Summary of Potentially Complete Exposure Pathways and CSM

Per the findings of the historical investigations at the Subject Property, construction worker ingestion and dermal contact with groundwater around MW-6, MW-10, and MW-11 are the only potential receptors to COCs from the Subject Property. A Conceptual Site Model (CSM) Flow Diagram and CSM Cross Section are provided as Figures 4 and 5, respectively.

6.0 PROPOSED CORRECTIVE ACTION

With the exception of construction worker contact, there is no potential pathway for direct exposure to groundwater at the Subject Property. No further corrective action is warranted for the Subject Property. BBJ Group will prepare a CSR as the first annual notice for the Subject Property to demonstrate plume stability and formally request site closure through the implementation of the Uniform Environmental Covenant (UEC) which prohibits the use or extraction of groundwater for drinking water or any other non-remedial purposes beneath the former chemical injection area.

7.0 PROPOSED SCHEDULE

A Final CSR will be submitted as the first annual notice to the Georgia EPD within one year of the recording date of the approval of this VRP Remediation Plan.

[8] https://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/PR-28.pdf

TABLES

TABLE 1

SUMMARY OF SOIL ANALYTICAL DATA

TABLE
Summary of Soil Analytical Data

Well I.D.	Volatile Organics	Organo-chlorine Pesticides (mg/kg)	Chlorinated Herbicides (mg/kg)	Nitrate-Nitrogen (mg/kg)	Total Arsenic (mg/kg)	RCRA Total Metals (mg/kg)		
	Carbon Disulfide (mg/kg)					Barium	Chromium	Lead
MW-4 (8.5-10')	BDL	BDL	BDL	14.8	NA	NA	NA	NA
MW-5 (3.5-5')	BDL	BDL	BDL	125	BDL	NA	NA	NA
MW-5 (18.5-20')	0.008	BDL	BDL	72.1	BDL	NA	NA	NA
MW-6 (18.5-20')	BDL	BDL	BDL	130	BDL	NA	NA	NA
Welding Shop (1.5-2')	BDL	NA	NA	NA	NA	19.7	30.0	11.8
Evaporation Area (1.5-2')	BDL	NA	NA	NA	NA	NA	NA	NA
Lab Detection Limit	0.005	.005-0.10	.005-1.0	5.0-20.0	5.0	10.0	5.0	5.0
HSRA NC	0.005	Varies with Pesticide	Varies with Herbicide	NE	41.0	500	1200	300

NA = Not Analyzed
HSRA NC = Notification Requirements under Hazardous Site Response Act (Appendix I)
NE = Not Established
BDL = Below Lab Detection Limit
MCL = Maximum Contaminant Level
* Tetrachloroethene = Perchloroethylene or PCE

TABLE
Summary of Soil Analytical Data
FFM Main Facility

Well I.D.	Carbon Disulfide (mg/kg)
SB-1 (18.5-20')	BDL
SB-1 (41.5-42')	BDL
SB-2 (18.5-20')	BDL
SB-2 (41.5-42')	BDL
Lab Detection Limit	0.005
HSRA NC	0.005

HSRA NC = Notification Requirements under Hazardous Site Response Act (Appendix I)
NE = Not Established
BDL = Below Laboratory Detection Limit
MCL = Maximum Contaminant Level
* Tetrachloroethene = Perchloroethylene or PCE

TABLE
SUMMARY OF DPT SOIL SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

DPT Boring	Sample Depth (ft)	DCA (ug/kg)	DCE (ug/kg)	TCE (ug/kg)	PCE (ug/kg)	VC (ug/kg)
BH-1	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	4	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	21	ND (5)	ND (5)	ND (5)	28	ND (5)
BH-4	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-5	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	22	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	19.5	ND (5)	ND (5)	ND (5)	7.5	ND (5)
BH-7	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	15	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	25.5	ND (5)	ND (5)	ND (5)	21.3	ND (5)
BH-9	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	17.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	27	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
NCs		3	360	130	18	40

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
NC = Notification Concentrations (from GA391-3-19 Appendix I Soil Concentrations that Trigger Notification)

TABLE
SUMMARY OF SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Soil

Sample Location	Sample Depth	DCE	TCE	PCE	VC
BH-11	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-12	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-13	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-14	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-15	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-16	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-17	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)

Note:
Concentrations in µg/kg (soil), µg/L (water) ND = Not Detected @ (Reported Detection Limit)
DCE = 1,1-dichloroethene (total) TCE = trichloroethene
PCE = tetrachloroethene VC = vinyl chloride
GC = Groundwater Criteria (HSRA Appendix III Table 1)

No VOCs were detected in any of the soil samples collected. PCE (only) was detected in five of the six groundwater samples. Only two of the groundwater samples contained PCE at concentrations above the Groundwater Criteria of 5 µg/L. The highest detection of PCE at 48.7 µg/L was collected from BH-17, located to the south of MW-10 within the area that has shown the highest impact from PCE.

TABLE
SUMMARY OF DPT SOIL SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

DPT Boring	Sample Date	Sample Depth (ft)	DCA (ug/kg) CAS#75343	DCE (ug/kg) CAS#75354	TCE (ug/kg) CAS#79016	PCE (ug/kg) CAS#127184	VC (ug/kg) CAS#75014
BH-1	7/16/2001	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	7/16/2001	4	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	7/16/2001	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		21	ND (5)	ND (5)	ND (5)	28	ND (5)
BH-4	7/17/2001	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-5	7/17/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		22	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	7/17/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		19.5	ND (5)	ND (5)	ND (5)	7.5	ND (5)
BH-6 offset	8/10/2005	3.5	ND (3)	ND (3)	ND (3)	29	ND (6)
BH-7	7/17/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		15	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	7/18/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		25.5	ND (5)	ND (5)	ND (5)	21.3	ND (5)
BH-8 offset	8/10/2005	2.5	ND (2.9)	ND (2.9)	ND (2.9)	3.2	ND (5.9)
BH-9	7/18/2001	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		17.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	7/18/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		25.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-11	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-12	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-13	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-14	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-15	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-16	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-17	4/25/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-18	8/10/2005	4	ND (3.6)	ND (3.6)	ND (3.6)	4.7	ND (7.2)
		7	ND (3.6)	ND (3.6)	ND (3.6)	11	ND (7.2)
BH-19	8/10/2005	4	ND (3.4)	ND (3.4)	ND (3.4)	6.4	ND (6.7)
		7	ND (3.2)	ND (3.2)	ND (3.2)	4.8	ND (6.3)
BH-20	8/10/2005	4	ND (3.3)	ND (3.3)	ND (3.3)	10	ND (6.6)
		7	ND (2.9)	ND (2.9)	ND (2.9)	13	ND (5.9)
BH-21	8/10/2005	4	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)	ND (7.2)
BH-22	8/10/2005	4	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (6.3)
BH-23	8/12/2005	1	ND (2.5)	ND (2.5)	ND (2.5)	8	ND (5.1)
Type 1 RRS			500	700	500	500	200

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1 RRS (Rule 391-3-19) = 100 x Appendix III Table 1 Groundwater Criteria

TABLE 2

SUMMARY OF GROUNDWATER DATA

TABLE
Summary of Well Installation and Groundwater Depth Data

Well No.	Date Installed	Well Depth (ft)	Depth to Top of Bentonite Seal (ft)	Depth to Top of Sand Pack (ft)	Depth to Top of Screen (ft)	Length of Screen (ft)	Depth to Water September 5, 2000 (ft)
MW-4	8/28/00	17.5	4.1	5.9	7.5	10.0	9.58
MW-5	8/29/00	45.0	34.7	37.5	40.0	5.0	29.80
MW-6	8/30/00	55.0	45.1	47.3	50.0	5.0	28.46

TABLE
Summary of Groundwater Analytical Data

Well I.D.	Volatile Organics Tetrachloroethene* (ug/L)	Organochlorine Pesticides (ug/L)	Chlorinated Herbicides (ug/L)	Nitrate-Nitrogen (mg/L)	Total Arsenic (mg/L)	PAHs (ug/L
MW-4	BDL	BDL	BDL	78.0	NA	NA
MW-5	BDL	BDL	BDL	20.9	BDL	BDL
MW-6	28	BDL	BDL	58.6	BDL	BDL
Lab Detection Limit	5	Varies with Pesticide	Varies with Herbicide	1.0-5.0	0.03	10
MCL	5	Varies with Pesticide	Varies with Herbicide	10	0.05	Varies with Constituent

NA = Not Analyzed
HSRA NC = Notification Requirements under Hazardous Site Response Act (Appendix I)
NE = Not Established
BDL = Below Lab Detection Limit
MCL = Maximum Contaminant Level
* Tetrachloroethene = Perchloroethylene or PCE

TABLE
Summary of Groundwater Analytical Data
FFM Main Facility

Well I.D.	Tetrachloroethene* (ug/L)
Equip. Blank	BDL
Trip Blank	BDL
MW-6	18
Lab Detection Limit	5
MCL	5

HSRA NC = Notification Requirements under Hazardous Site Response Act (Appendix I)
NE – Not Established
BDL = Below Laboratory Detection Limit
MCL = Maximum Contaminant Level
* Tetrachloroethene = Perchloroethylene or PCE

TABLE
MONITORING WELL DATA
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well No.	Depth to Screen (ft bgs)	Screened Interval (elev in ft)	TOC Elevation (ft)	Depth to Water (ft bTOC)	Water Elevation (ft)
MW-4	7 - 17	86 - 76	92.70	8.28	84.42
MW-5	40 - 45	56 - 51	95.57	24.10	71.47
MW-6	50 - 55	45 - 40	94.26	23.19	71.07
MW-7d	73 - 78	21 - 16	93.75	22.16	71.59
MW-8	43 - 48	51 - 46	93.57	21.75	71.82
MW-9	17 - 27	76 - 66	92.85	9.33	83.52

Note:

TOC (Top of Casing) elevations referenced to arbitrary project benchmark of 100.00 ft
bgs = below ground surface
bTOC = below TOC

TABLE
UMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULT
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	DCA (ug/L)	DCE (ug/L)	TCE (ug/L)	PCE (ug/L)	VC (ug/L)
BH-1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	ND (5)	ND (5)	ND (5)	108	ND (5)
BH-5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	ND (5)	ND (5)	ND (5)	23	ND (5)
BH-7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	ND (5)	ND (5)	ND (5)	118	ND (5)
BH-9	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-4	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	ND (5)	ND (5)	ND (5)	8.8	ND (5)
MW-6	ND (5)	ND (5)	ND (5)	23	ND (5)
MW-7D	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
GC	4000	7	5	5	2

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
GC = Groundwater Criteria (HSRA default cleanup standards for groundwater, Appendix III Table 1)

TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L)	DCE (ug/L)	TCE (ug/L)	PCE (ug/L)	VC (ug/L)
BH-1	7/16/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	7/16/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	7/16/01	ND (5)	ND (5)	ND (5)	108	ND (5)
BH-5	7/17/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	7/17/01	ND (5)	ND (5)	ND (5)	23	ND (5)
BH-7	7/17/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	7/17/01	ND (5)	ND (5)	ND (5)	118	ND (5)
BH-9	7/18/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	7/18/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-4	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/01	ND (5)	ND (5)	ND (5)	8.8	ND (5)
	7/9/02	ND (5)	ND (5)	ND (5)	8	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	9.1	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-6	8/2/01	ND (5)	ND (5)	ND (5)	23	ND (5)
	7/9/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	8.9	ND (5)
MW-7D	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	6.1	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/02	ND (5)	ND (5)	ND (5)	130	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	120	ND (5)
GC		4000	7	5	5	2

14 type 2

Note:

MW-10 is located near BH-3
DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
GC = Groundwater Criteria (HSRA default cleanup standards for groundwater, Appendix III Table 1)

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TABLE
SUMMARY OF SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Groundwater

BH-11		ND (1)	ND (1)	ND (1)	ND (1)
BH-12		ND (1)	ND (1)	8.8	ND (1)
BH-13		ND (1)	ND (1)	1.2	ND (1)
BH-14		ND (1)	ND (1)	1.8	ND (1)
BH-16		ND (1)	ND (1)	4.2	ND (1)
BH-17		ND (1)	ND (1)	48.7	ND (1)
GC		**7**	**5**	**5**	**2**

Note:
Concentrations in µg/kg (soil), µg/L (water) ND = Not Detected @ (Reported Detection Limit)
DCE = 1,1-dichloroethene (total) TCE = trichloroethene
PCE = tetrachloroethene VC = vinyl chloride
GC = Groundwater Criteria (HSRA Appendix III Table 1)

No VOCs were detected in any of the soil samples collected. PCE (only) was detected in five of the six groundwater samples. Only two of the groundwater samples contained PCE at concentrations above the Groundwater Criteria of 5 µg/L. The highest detection of PCE at 48.7 µg/L was collected from BH-17, located to the south of MW-10 within the area that has shown the highest impact from PCE.

The results of the sampling demonstrate that the extent of PCE, is in fact, limited to the immediate vicinity of MW-10 and to the south. This suggests that there is no undetected source area adjacent to, or

TABLE
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L)	DCE (ug/L)	TCE (ug/L)	PCE (ug/L)	VC (ug/L)
BH-1	7/16/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	7/16/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	7/16/2001	ND (5)	ND (5)	ND (5)	**108**	ND (5)
BH-5	7/17/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	7/17/2001	ND (5)	ND (5)	ND (5)	**23**	ND (5)
BH-7	7/17/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	7/17/2001	ND (5)	ND (5)	ND (5)	**118**	ND (5)
BH-9	7/18/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	7/18/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-11	4/24/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-12	4/24/2003	ND (5)	ND (5)	ND (5)	**8.8**	ND (5)
BH-13	4/24/2003	ND (5)	ND (5)	ND (5)	1.2	ND (5)
BH-14	4/24/2003	ND (5)	ND (5)	ND (5)	1.8	ND (5)
BH-16	4/24/2003	ND (5)	ND (5)	ND (5)	4.2	ND (5)
BH-17	4/25/2003	ND (5)	ND (5)	ND (5)	**48.7**	ND (5)
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	**8.8**	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	**8**	ND (5)
	########	ND (5)	ND (5)	ND (5)	**9.1**	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	**8**	ND (5)
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	**23**	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	########	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	**8.9**	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	**20**	ND (5)
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	########	ND (5)	ND (5)	ND (5)	**6.1**	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	**130**	ND (5)
	########	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	**120**	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	**430**	ND (5)
GC		**4000**	**7**	**5**	**5**	**2**

Consistent

Consistent

inconsistent

14 type 2

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Note:

MW-10 is located near BH-3
DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
GC = Groundwater Criteria (HSRA default cleanup standards for groundwater, Appendix III Table 1)

TABLE
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) *CAS#75343*	DCE (ug/L) *CAS#75354*	TCE (ug/L) *CAS#79016*	PCE (ug/L) *CAS#127184*	VC (ug/L) *CAS#75014*
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (5)
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (5)
MW-12	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (5)
Type 1 RRS		4000	7	5	5	2
Type 4 RRS		4000	525	40	55	5

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1 RRS = Groundwater Criteria (Appendix III Table 1)
Type 4 RRS = Groundwater Criteria (generic assumptions)

MONITORING WELL DATA
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well No.	Depth to Screen (ft bgs)	Screened Interval (elev in ft)	TOC Elevation (ft)	Date Measured	Depth to Water (ft bTOC)	Water Elevation (ft)
MW-4	7 - 17	86 - 76	92.70	8/2/2001	8.28	84.42
MW-5	40 - 45	56 - 51	95.57	8/2/2001	24.10	71.47
				7/9/2002	25.25	70.32
				10/29/2002	20.35	75.22
				2/11/2003	18.43	77.14
				9/30/2003	18.42	77.15
				11/7/2003	21.59	73.98
				4/14/2004	19.99	75.58
				6/23/2004	19.41	76.16
				10/20/2004	21.14	74.43
MW-6	50 - 55	45 - 40	94.26	8/2/2001	23.19	71.07
				7/9/2002	23.87	70.39
				10/29/2002	18.98	75.28
				2/11/2003	16.87	77.39
				9/30/2003	18.17	76.09
				11/7/2003	20.07	74.19
				4/14/2004	18.52	75.74
				6/23/2004	17.99	76.27
				10/20/2004	20.63	73.63
MW-7d	73 - 78	21 - 16	93.75	8/2/2001	22.16	71.59
				7/9/2002	23.36	70.39
				10/29/2002	18.43	75.32
				2/11/2003	16.42	77.33
				9/30/2003	17.46	76.29
				11/7/2003	19.42	74.33
				4/14/2004	17.98	75.77
				6/23/2004	17.52	76.23
				10/20/2004	20.11	73.64
MW-8	43 - 48	51 - 46	93.57	8/2/2001	21.75	71.82
				7/9/2002	23.27	70.30
				10/29/2002	18.33	75.24
				11/7/2003	19.30	74.27
				4/14/2004	17.92	75.65
MW-9	17 - 27	76 - 66	92.85	8/2/2001	9.33	83.52
				7/9/2002	10.09	82.76
				10/29/2002	9.49	83.36
				11/7/2003	9.45	83.40
				4/14/2004	13.77	79.08
MW-10	19 - 29		93.41	10/29/2002	11.14	82.27
				2/11/2003	10.29	83.12
				9/30/2003	11.19	82.22
				11/7/2003	12.46	80.95
				4/14/2004	13.38	80.03
				6/23/2004	11.94	81.47
				10/20/2004	13.06	80.35
MW-11	20 - 30		94.44	9/30/2003	11.19	83.25
				11/7/2003	12.08	82.36
				4/14/2004	13.03	81.41
				6/23/2004	12.57	81.87
				10/20/2004	15.36	79.08

Note:

TOC (Top of Casing) elevations referenced to arbitrary project benchmark of 100.00 ft

bgs = below ground surface

bTOC = below TOC

TABLE
SUMMARY OF DPT GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	Sample Depth (ft)	DCA (ug/L) *CAS#75343*	DCE (ug/L) *CAS#75354*	TCE (ug/L) *CAS#79016*	PCE (ug/L) *CAS#127184*	VC (ug/L) *CAS#75014*	Toluene (ug/L)
BH-1	7/16/2001	26	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-2	7/16/2001	24	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-3	7/16/2001	23	ND (5)	ND (5)	ND (5)	108	ND (5)	NA
BH-5	7/17/2001	32	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-6	7/17/2001	22	ND (5)	ND (5)	ND (5)	23	ND (5)	NA
BH-7	7/17/2001	14	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-8	7/17/2001	27	ND (5)	ND (5)	ND (5)	118	ND (5)	NA
BH-9	7/18/2001	18	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-10	7/18/2001	52	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-11	4/24/2003	46	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BH-12	4/24/2003	16	ND (1)	ND (1)	ND (1)	8.8	ND (1)	ND (1)
BH-13	4/24/2003	46	ND (1)	ND (1)	ND (1)	1.2	ND (1)	ND (1)
BH-14	4/24/2003	43	ND (1)	ND (1)	ND (1)	1.8	ND (1)	ND (1)
BH-16	4/24/2003	40	ND (1)	ND (1)	ND (1)	4.2	ND (1)	ND (1)
BH-17	4/25/2003	40	ND (1)	ND (1)	ND (1)	48.7	ND (1)	ND (1)
BH-18	8/10/2005	17	ND (5)	ND (5)	ND (5)	18	ND (5)	ND (5)
BH-19	8/10/2005	20	ND (5)	ND (5)	ND (5)	70	ND (5)	ND (5)
BH-20	8/10/2005	12.5	ND (5)	ND (5)	ND (5)	24	ND (5)	5.1
BH-21	8/10/2005	7.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-22	8/11/2005	11	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-23	8/12/2005	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Type 1/3 RRS			4,000	7	5	5	2	1,000

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)

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TABLE 3
MONITORING WELL WATER LEVEL DATA
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well No.	Depth to Screen (ft bgs)	Screened Interval (elev in ft)	TOC Elevation (ft)	Date Measured	Depth to Water (ft bTOC)	Water Elevation (ft)
MW-4	7 - 17	86 - 76	92.70	8/2/2001	8.28	84.42
				8/19/2005	1.60	91.10
				9/9/2005	4.30	88.40
MW-5	40 - 45	56 - 51	95.57	8/2/2001	24.10	71.47
				7/9/2002	25.25	70.32
				10/29/2002	20.35	75.22
				2/11/2003	18.43	77.14
				9/30/2003	18.42	77.15
				11/7/2003	21.59	73.98
				6/23/2004	19.41	76.16
				10/20/2004	21.14	74.43
				6/15/2005	15.60	79.97
				8/19/2005	13.89	81.68
				9/9/2005	16.12	79.45
MW-6	50 - 55	45 - 40	94.26	8/2/2001	23.19	71.07
				7/9/2002	23.87	70.39
				10/29/2002	18.98	75.28
				2/11/2003	16.87	77.39
				9/30/2003	18.17	76.09
				11/7/2003	20.07	74.19
				6/23/2004	17.99	76.27
				10/20/2004	20.63	73.63
				6/15/2005	13.94	80.32
				8/19/2005	5.38	88.88
				9/9/2005	15.68	78.58
MW-7d	73 - 78	21 - 16	93.75	8/2/2001	22.16	71.59
				7/9/2002	23.36	70.39
				10/29/2002	18.43	75.32
				2/11/2003	16.42	77.33
				9/30/2003	17.46	76.29
				11/7/2003	19.42	74.33
				6/23/2004	17.52	76.23
				10/20/2004	20.11	73.64
				6/15/2005	13.31	80.44
				8/19/2005	12.83	80.92
				9/9/2005	14.11	79.64
MW-8	43 - 48	51 - 46	93.57	8/2/2001	21.75	71.82
				7/9/2002	23.27	70.30
				10/29/2002	18.33	75.24
				11/7/2003	19.30	74.27
				4/14/2004	17.92	75.65
				10/20/2004	-	NM
				6/15/2005	13.15	80.42
				8/19/2005	11.79	81.78
				9/9/2005	14.08	79.49
MW-9	17 - 27	76 - 66	92.85	8/2/2001	9.33	82.76
				7/9/2002	10.09	82.76
				10/29/2002	9.49	83.36
				11/7/2003	9.45	83.40
				4/14/2004	13.77	79.08
				10/20/2004	-	NM
				6/15/2005	7.68	85.17
				8/19/2005	3.59	89.26
				9/9/2005	5.50	87.35
MW-10	19 - 29	74 - 64	93.41	10/29/2002	11.14	82.27
				2/11/2003	10.29	83.12
				9/30/2003	11.19	82.22
				11/7/2003	12.46	80.95
				6/23/2004	11.94	81.47
				10/20/2004	13.06	80.35
				6/15/2005	6.17	87.24
				8/19/2005	4.37	89.04
				9/9/2005	7.38	86.03
MW-11	20 - 30	74 - 64	94.44	9/30/2003	11.19	83.25
				11/7/2003	12.08	82.36
				6/23/2004	12.57	81.87
				10/20/2004	15.36	79.08
				6/15/2005	9.24	85.20
				8/19/2005	5.22	89.22
				9/9/2005	6.63	87.81
MW-12	20 - 30	75 - 65	95.46	6/23/2004	19.11	76.35
				10/20/2004	21.93	73.53
				6/15/2005	15.16	80.30
				8/19/2005	13.38	82.08
				9/9/2005	15.16	80.30
MW-13	8 - 18	86 - 76	93.76	8/19/2005	5.70	88.06
				9/9/2005	7.59	86.17
MW-14	8 - 13	86 - 81	96.72	8/19/2005	6.40	90.32
				9/9/2005	8.50	88.22
MW-15	10 - 20	83 - 73	93.30	8/19/2005	5.68	87.62
				9/9/2005	7.45	85.85
MW-16	10 - 20	86 - 76	96.34	8/19/2005	6.32	90.02
				9/9/2005	9.46	86.88
MW-17D	65 - 75	28 - 18	93.40	8/19/2005	13.01	80.39
				9/9/2005	17.78	75.62

TOC (Top of Casing) elevations referenced to arbitrary project benchmark of 100.00 ft
bgs = below ground surface
bTOC = below TOC
NM = not measured

TABLE 4
WELL PURGING DATA SUMMARY
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well Number	*Total Depth (ft.)*	*Purge Date*	*Total Gallons Purged* [1]	*pH*	*Turbidity (ntu)* [2]	*Conductivity (µS)* [3]	*Temperature (°C)* [4]	*Dissolved Oxygen (mg/L)*	*ORP (mV)*
MW-4	17	8/19/2005	1.4	-	3	491	29.4	4.0	469
MW-5	45	6/15/2005	2.1	5.08	2	521	23.3	2.8	561
MW-6	55	6/15/2005	2.6	6.56	79	1,710	26.7	2.4	268
MW-7D	78	6/15/2005	2.1	7.34	39	323	25.3	1.2	554
MW-10*	29	6/15/2005	1.0	-	-	-	-	-	-
MW-11	30	6/15/2005	1.0	6.15	208	2,200	27.6	-	-
MW-12	30	6/15/2005	1.0	6.77	999	2,490	30.6	-	-
MW-13	18	8/19/2005	2.1	5.72	22	7,830	28.9	0.8	121
MW-14	13	8/19/2005	1.4	-	17	842	26.1	5.0	371
MW-15	20	8/19/2005	1.2	5.33	35	657	29.1	0.6	204
MW-16	20	8/19/2005	2.6	4.83	1	261	24.7	3.7	268
MW-17D	75	8/19/2005	2.0	7.46	6	350	26.9	3.1	131

Notes:
[1] Purged using low-flow method @ 150 - 300 mL/min
[2] Nephelometric Turbidity Units
[3] microSeimens
[4] Degrees Celsius

MW-10* - parameters not measured at time of sampling due to presence of permanganate

TABLE
SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L)
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	14
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (5)	NA
	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (5)	NA
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	25	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	53	ND (5)	NA
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	8.6	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	57	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	180	ND (5)	NA
MW-12	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	17	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	13	ND (5)	NA
MW-13	8/19/2005	ND (5)	ND (5)	ND (5)	11	ND (5)	ND (5)
MW-14	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-15	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-16	8/19/2005	ND (5)	ND (5)	ND (5)	6.3	ND (5)	6.3
MW-17D	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	5.2
Type 1/3 RRS		4,000	7	5	5	2	1,000

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)

TABLE
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	14
MW-5							
	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (5)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (5)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-6							
	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (5)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (5)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	25	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	53	ND (5)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	10	ND (5)	NA
MW-7D							
	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA

TABLE
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-10							
	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (5)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	8.6	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-11							
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (5)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	57	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	180	ND (5)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-12							
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	17	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	13	ND (5)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-13	8/19/2005	ND (5)	ND (5)	ND (5)	11	ND (5)	ND (5)
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-14	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-15	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-16	8/19/2005	ND (5)	ND (5)	ND (5)	6.3	ND (5)	6.3
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-17D	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	5.2
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
Type 1/3 RRS		4,000	7	5	5	2	1,000

Notes:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)

MW-10 12/19/06 sample had a suspect detection of methylene chloride (5.6 ug/L).

TABLE

COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	14
MW-5							
	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (2)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (2)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-6							
	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (2)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	25	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	53	ND (2)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	10	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-7D							
	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA

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TABLE

COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-10							
	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (2)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	8.6	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-11							
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	57	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	180	ND (2)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-12							
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	17	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	13	ND (2)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-13	8/19/2005	ND (5)	ND (5)	ND (5)	11	ND (2)	ND (5)
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-14	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	ND (5)
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-15	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	ND (5)
MW-16	8/19/2005	ND (5)	ND (5)	ND (5)	6.3	ND (2)	6.3
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-17D	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	5.2
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Type 1/3 RRS		4,000	7	5	5	2	1,000

Notes:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)
MW-10 12/19/06 sample had a suspect detection of methylene chloride (5.6 ug/L).

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TABLE

SELECT METALS AND IONS GROUNDWATER RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	Calcium	Iron	Manganese	Potassium	Sodium	Chloride	Sulfate
MW-5	4/10/2007	89.4	0.274	0.41	6.19	23.9	6.1	44
MW-6	4/10/2007	177	0.188	68.7	89.5	9.19	160	BRL
MW-10	4/10/2007	157	1.91	323	1070	43.8	840	940
MW-11	4/10/2007	72.4	0.778	17.5	104	9.7	150	230
MW-12	4/10/2007	56.1	BRL	2.73	17.4	3.32	BRL	BRL
MW-13	4/10/2007	14.1	0.448	5.22	42.4	5.31	24	44
MW-16	4/10/2007	22.7	BRL	0.195	18.9	1.91	13	12

Notes:
BRL = Below Reporting Limit
All units are represented in mg/L

018283-Cleary-10-T2

TABLE

COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	14
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (2)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (2)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (2)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	25	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	53	ND (2)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	10	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA

TABLE

COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 1	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 2	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007 & Duplicate	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
		ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (2)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (2)	NA
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	8.6	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA

TABLE

COMPARISON OF GROUNDWATER ANALYTICAL RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L) CAS#108883
MW-11							
Post Pilot Injection 3	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (2)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (2)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (2)	NA
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	57	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	180	ND (2)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-12							
Post Pilot Injection 4	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (2)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	17	ND (2)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	13	ND (2)	NA
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-13	8/19/2005	ND (5)	ND (5)	ND (5)	11	ND (2)	ND (5)
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-14	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	ND (5)
Post Full Scale Injection	12/20/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-15	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	ND (5)
MW-16	8/19/2005	ND (5)	ND (5)	ND (5)	6.3	ND (2)	6.3
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	4/10/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
MW-17D	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	5.2
Post Full Scale Injection	12/19/2006	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
	6/27/2007	ND (5)	ND (5)	ND (5)	ND (5)	ND (2)	NA
Type 1/3 RRS		4,000	7	5	5	2	1,000

Notes:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)
MW-10 12/19/06 sample had a suspect detection of methylene chloride (5.6 ug/L).

TABLE

SELECT METALS AND IONS GROUNDWATER RESULTS
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Date	Calcium	Iron	Manganese	Potassium	Sodium	Chloride	Sulfate
MW-5	4/10/2007	89.4	0.274	0.41	6.19	23.9	6.1	44
	6/27/2007	459	24.3	2320	2340	16.9	BLR	BLR
MW-6	4/10/2007	177	0.188	68.7	89.5	9.19	160	BRL
	6/27/2007	101	BLR	37.5	69.2	6.68	75	21
MW-7D	6/27/2007 & Duplicate	52.5	BLR	5.80	6.67	2.34	6.5	2.2
		54.3	BLR	5.79	6.87	2.46	7	2.4
MW-10	4/10/2007	157	1.91	323	1070	43.8	840	940
	6/27/2007	196	15.6	218	1280	39.6	670	750
MW-11	4/10/2007	72.4	0.778	17.5	104	9.7	150	230
	6/27/2007	74.1	12.1	17.8	120	8.45	110	160
MW-12	4/10/2007	56.1	BRL	2.73	17.4	3.32	BRL	BRL
	6/27/2007	55.2	1.92	3.55	15.4	3.13	27	30
MW-13	4/10/2007	14.1	0.448	5.22	42.4	5.31	24	44
	6/27/2007	7.53	30.8	2.14	37.8	4.47	37	47
MW-16	4/10/2007	22.7	BRL	0.195	18.9	1.91	13	12
MW17-D	6/27/2007	92.2	0.965	1.26	55.4	6.02	71	47

Notes:
BRL = Below Reporting Limit
All units are represented in mg/L

018283-Cleary-11-T2

TABLE

COMPARISON OF RCRA METALS IN GROUNDWATER
BIRDSONG PEANUT
FARMER'S FEED AND MILLING
COLQUITT, GEORGIA

Sample Location	Sample Type	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver
MW-6	Total (1)	BRL (2)	0.0844	BRL	0.701	BRL	0.0242	BRL
6/27/2007	Dissolved (1)	BRL	0.0621	BRL	0.563	BRL	0.0333	BRL
Type 4 RRS		0.05	7.15	.05	.31/153 (3)	0.015	.51	.51

Notes:
1. All units are represented in mg/L
2. BRL = Below Reporting Limit
3. Type 4 RRS for Chromium VI is 0.31 mg/L and for Chromium III is 153 mg/L

TABLE 1

ANALYTICAL RESULTS SUMMARY
BIRDSONG PEANUT
COLQUITT, GEORGIA
MARCH 2009

Location ID:		Risk Reduction Standards		*MW-6*	*MW-6*	*MW-10*	*MW-11*	*MW-5*
Sample Name:		Type 1	Type 4	*GW-030509-DJB-001*	*GW-030509-DJB-002*	*GW-030509-DJB-003*	*GW-030509-DJB-004*	*GW-030509-DJB-005*
Sample Date:				*3/5/2009*	*3/5/2009*	*3/5/2009*	*3/5/2009*	*3/5/2009*
					Duplicate			
Parameters	***Units***							
Metals								
Arsenic	mg/L	0.05	0.05	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Cadmium	mg/L	0.005	0.051	0.0004 J	0.0007 J	0.0014 J	0.0050 U	0.0050 U
Chromium Total	mg/L	0.1	0.307	0.298	0.294	0.0760	0.279	0.0057 J
Lead	mg/L	0.015	0.015	0.0100 U	0.0100 U	0.0077 J	0.0038 J	0.0100 U
Manganese	mg/L	NV	NV	4.05	4.07	1.31	3.94	0.175 J
Potassium	mg/L	NV	NV	51.4	53.2	788	129	6.09
Selenium	mg/L	0.05	0.511	0.0140 J	0.0156 J	0.0586	0.0151 J	0.0200 U
Silver	mg/L	0.1	0.511	0.0100 U	0.0009 J	0.0100 U	0.0100 U	0.0004 J
Metals (Dissolved)								
Arsenic (Dissolved)	mg/L	0.05	0.05	0.0500 U	--	0.0500 U	0.0500 U	0.0500 U
Cadmium (Dissolved)	mg/L	0.005	0.051	0.0050 U	--	0.0011 J	0.0050 U	0.0050 U
Chromium Total (Dissolved)	mg/L	0.1	0.307	0.298	--	0.0805	0.292	0.0056 J
Lead (Dissolved)	mg/L	0.015	0.015	0.0100 U	--	0.0031 J	0.0100 U	0.0100 U
Manganese (Dissolved)	mg/L	NV	NV	3.42	--	0.880	2.22	0.376 J
Potassium (Dissolved)	mg/L	NV	NV	60.6	--	712	123	8.52
Selenium (Dissolved)	mg/L	0.05	0.511	0.0200 U	--	0.0527	0.0200 U	0.0200 U
Silver (Dissolved)	mg/L	0.1	0.511	0.0007 J	--	0.0100 U	0.0100 U	0.0005 J

Notes:

-	Not analyzed.
J	Estimated.
U	Not detected.
NV	No Value

TABLE

GROUNDWATER ELEVATIONS (MARCH 2010)
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

Well ID	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-4	03/24/2010	92.70	3.95	88.75
MW-5	03/24/2010	95.57	14.48	81.09
MW-6	03/24/2010	94.26	12.98	81.28
MW-7D	03/24/2010	93.75	12.38	81.37
MW-8	03/24/2010	93.57	7.97	85.60
MW-9	03/24/2010	92.85	5.62	87.23
MW-10	03/24/2010	93.41	7.23	86.18
MW-11	03/24/2010	94.44	5.48	88.96
MW-12	03/24/2010	95.46	--	--
MW-13	03/24/2010	93.76	8.32	85.44
MW-14	03/24/2010	96.72	8.52	88.20
MW-15	03/24/2010	93.30	12.35	80.95
MW-16	03/24/2010	96.34	--	--
MW-17D	03/24/2010	93.40	12.09	81.31

Notes:
AMSL- Above Mean Sea Level
TOC- Top of Casing
1. Monitoring wells MW-12 and MW-16 were not found on March 24, 2010.

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (MARCH 2010)
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-5*	*MW-6*	*MW-6*	*MW-10*	*MW-11*
			Sample ID:	*GW-032410-DJB-001*	*GW-032410-DJB-004*	*GW-032410-DJB-005*	*GW-032410-DJB-002*	*GW-032410-DJB-003*
			Sample Date:	*3/24/2010*	*3/24/2010*	*3/24/2010*	*3/24/2010*	*3/24/2010*
						Duplicate		
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	mg/L	0.005	0.0511	0.000126 J	0.000692 J	0.00126	**0.00938[a]**	0.00144
Chromium	mg/L	NC	NC	0.0267	0.172	0.172	0.0866	0.266
Copper	mg/L	1.3	4.09	0.000288 J	0.000176 J	0.000229 J	0.00572	0.00908
Lead	mg/L	0.015	0.015	0.001 U	0.001 U	0.00018 J	0.00125	0.00144
Manganese	mg/L	NC	NC	2.23	0.473	0.483	4.01	2.93
Potassium	mg/L	NC	NC	29.6	58.1	65.3	737	140
Selenium	mg/L	0.05	0.511	0.005 U	0.005 U	0.000922 J	**0.0592[a]**	0.00658
Silver	mg/L	0.1	0.511	0.001 U	0.000219 J	0.000014 J	0.000729 J	0.000031 J
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	0.00748 J	0.005 U	0.005 U	0.00251 J	0.05 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.007 U	0.000444 J	0.000391 J	0.00489 J	0.007 U
Chromium Total (dissolved)	mg/L	NC	NC	0.0286 J	0.16	0.165	0.0923	0.217
Copper (dissolved)	mg/L	1.3	4.09	0.02 U	0.002 U	0.002 U	0.02 U	0.02 U
Lead (dissolved)	mg/L	0.015	0.015	0.01 U	0.001 U	0.001 U	0.01 U	0.01 U
Manganese (dissolved)	mg/L	NC	NC	1.46	0.526	0.522	1.34	0.346
Potassium (dissolved)	mg/L	NC	NC	27.4	56.7	55.7	702	127
Selenium (dissolved)	mg/L	0.05	0.511	0.05 U	0.005 U	0.005 U	**0.0673[a]**	0.05 U
Silver (dissolved)	mg/L	0.1	0.511	0.01 U	0.001 U	0.001 U	0.01 U	0.01 U
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	0.0100 U	0.0100 U	0.0100 U	0.0262	0.0100 U
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	0.00740 J	0.0100 U	0.0100 U	0.0205	0.0222
Chromium VI (hexavalent)	mg/L	0.01	0.0572	**0.0246[a]**	**0.170[ab]**	**0.174[ab]**	**0.0605[ab]**	**0.265[ab]**
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.0572	**0.0212[a]**	**0.172[ab]**	**0.178[ab]**	**0.0718[ab]**	**0.195[ab]**

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript(s).

018283-CLEA15

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-5*	*MW-5*	*MW-6*	*MW-6*	*MW-6*
			Sample ID:	*GW-030509-DJB-005*	*GW-032410-DJB-001*	*GW-030509-DJB-001*	*GW-030509-DJB-002*	*GW-032410-DJB-004*
			Sample Date:	*3/5/2009*	*3/24/2010*	*3/5/2009*	*3/5/2009*	*3/24/2010*
							Duplicate	
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.0500 U	0.005 U	0.0500 U	0.0500 U	0.005 U
Cadmium	mg/L	0.005	0.0511	0.0050 U	0.000126 J	0.0004 J	0.0007 J	0.000692 J
Chromium	mg/L	NC	NC	0.0057 J	0.0267	0.298	0.294	0.172
Copper	mg/L	1.3	4.09	-	0.000288 J	-	-	0.000176 J
Lead	mg/L	0.015	0.015	0.0100 U	0.001 U	0.0100 U	0.0100 U	0.001 U
Manganese	mg/L	NC	NC	0.175 J	2.23	4.05	4.07	0.473
Potassium	mg/L	NC	NC	6.09	29.6	51.4	53.2	58.1
Selenium	mg/L	0.05	0.511	0.0200 U	0.005 U	0.0140 J	0.0156 J	0.005 U
Silver	mg/L	0.1	0.511	0.0004 J	0.001 U	0.0100 U	0.0009 J	0.000219 J
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	0.0500 U	0.00748 J	0.0500 U	-	0.005 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.0050 U	0.007 U	0.0050 U	-	0.000444 J
Chromium Total (dissolved)	mg/L	NC	NC	0.0056 J	0.0286 J	0.298	-	0.16
Copper (dissolved)	mg/L	1.3	4.09	-	0.02 U	-	-	0.002 U
Lead (dissolved)	mg/L	0.015	0.015	0.0100 U	0.01 U	0.0100 U	-	0.001 U
Manganese (dissolved)	mg/L	NC	NC	0.376 J	1.46	3.42	-	0.526
Potassium (dissolved)	mg/L	NC	NC	8.52	27.4	60.6	-	56.7
Selenium (dissolved)	mg/L	0.05	0.511	0.0200 U	0.05 U	0.0200 U	-	0.005 U
Silver (dissolved)	mg/L	0.1	0.511	0.0005 J	0.01 U	0.0007 J	-	0.001 U
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	-	0.0100 U	-	-	0.0100 U
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	-	0.00740 J	-	-	0.0100 U
Chromium VI (hexavalent)	mg/L	0.01	0.0572	-	**0.0246**[a]	-	-	**0.170**[ab]
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.0572	-	**0.0212**[a]	-	-	**0.172**[ab]

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-6*	*MW-10*	*MW-10*	*MW-11*	*MW-11*
			Sample ID:	*GW-032410-DJB-005*	*GW-030509-DJB-003*	*GW-032410-DJB-002*	*GW-030509-DJB-004*	*GW-032410-DJB-003*
			Sample Date:	*3/24/2010*	*3/5/2009*	*3/24/2010*	*3/5/2009*	*3/24/2010*
				Duplicate				
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.005 U	0.0500 U	0.005 U	0.0500 U	0.005 U
Cadmium	mg/L	0.005	0.0511	0.00126	0.0014 J	**0.00938[a]**	0.0050 U	0.00144
Chromium	mg/L	NC	NC	0.172	0.0760	0.0866	0.279	0.266
Copper	mg/L	1.3	4.09	0.000229 J	-	0.00572	-	0.00908
Lead	mg/L	0.015	0.015	0.00018 J	0.0077 J	0.00125	0.0038 J	0.00144
Manganese	mg/L	NC	NC	0.483	1.31	4.01	3.94	2.93
Potassium	mg/L	NC	NC	65.3	788	737	129	140
Selenium	mg/L	0.05	0.511	0.000922 J	**0.0586[a]**	**0.0592[a]**	0.0151 J	0.00658
Silver	mg/L	0.1	0.511	0.000014 J	0.0100 U	0.000729 J	0.0100 U	0.000031 J
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	0.005 U	0.0500 U	0.00251 J	0.0500 U	0.05 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.000391 J	0.0011 J	0.00489 J	0.0050 U	0.007 U
Chromium Total (dissolved)	mg/L	NC	NC	0.165	0.0805	0.0923	0.292	0.217
Copper (dissolved)	mg/L	1.3	4.09	0.002 U	-	0.02 U	-	0.02 U
Lead (dissolved)	mg/L	0.015	0.015	0.001 U	0.0031 J	0.01 U	0.0100 U	0.01 U
Manganese (dissolved)	mg/L	NC	NC	0.522	0.880	1.34	2.22	0.346
Potassium (dissolved)	mg/L	NC	NC	55.7	712	702	123	127
Selenium (dissolved)	mg/L	0.05	0.511	0.005 U	**0.0527[a]**	**0.0673[a]**	0.0200 U	0.05 U
Silver (dissolved)	mg/L	0.1	0.511	0.001 U	0.0100 U	0.01 U	0.0100 U	0.01 U
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	0.0100 U	-	**0.0262[a]**	-	0.0100 U
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	0.0100 U	-	**0.0205[a]**	-	**0.0222[a]**
Chromium VI (hexavalent)	mg/L	0.01	0.0572	**0.174[ab]**	-	**0.0605[ab]**	-	**0.265[ab]**
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.0572	**0.178[ab]**	-	**0.0718[ab]**	-	**0.195[ab]**

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE

GROUNDWATER ELEVATIONS (MARCH 2011)
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

Well ID	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-4	03/29/2011	92.70	6.83	85.87
MW-5	03/29/2011	95.57	21.41	74.16
MW-6	03/29/2011	94.26	20.01	74.25
MW-7D	03/29/2011	93.75	19.43	74.32
MW-8	03/29/2011	93.57	19.35	74.22
MW-9	03/29/2011	92.85	9.48	83.37
MW-10	03/29/2011	93.41	12.10	81.31
MW-11	03/29/2011	94.44	9.78	84.66
MW-12	03/29/2011	95.46	–	–
MW-13	03/29/2011	93.76	11.59	82.17
MW-14	03/29/2011	96.72	5.48	91.24
MW-15	03/29/2011	93.30	11.23	82.07
MW-16	03/29/2011	96.34	–	–
MW-17D	03/29/2011	93.40	19.10	74.30

Notes:
AMSL- Above Mean Sea Level
TOC- Top of Casing
Monitoring wells MW-12 and MW-16 not found
MW-5 - monitoring wells sample in March 2011

TABLE

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6*
			Sample ID:	*GW-030509-DJB-005*	*GW-032410-DJB-001*	*GW-032911-DJB-001*	*GW-032911-DJB-002*	*GW-030509-DJB-001*
			Sample Date:	*3/5/2009*	*3/24/2010*	*3/29/2011*	*3/29/2011*	*3/5/2009*
							Duplicate	
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.0500 U	0.005 U	0.005 U	0.005 U	0.0500 U
Cadmium	mg/L	0.005	0.0511	0.0050 U	0.000126 J	0.0007 U	0.0007 U	0.0004 J
Chromium	mg/L	0.1	NC	0.0057 J	0.0267	0.005 U	0.005 U	**0.298**
Copper	mg/L	1.3	4.09	-	0.000288 J	0.002 U	0.002 U	-
Lead	mg/L	0.015	0.015	0.0100 U	0.001 U	0.001 U	0.001 U	0.0100 U
Manganese	mg/L	NC	NC	0.175 J	2.23	0.0502	0.0517	4.05
Potassium	mg/L	NC	NC	6.09	29.6	3.7	3.65	51.4
Selenium	mg/L	0.05	0.511	0.0200 U	0.005 U	0.005 U	0.005 U	0.0140 J
Silver	mg/L	0.1	0.511	0.0004 J	0.001 U	0.001 U	0.001 U	0.0100 U
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	0.0500 U	0.00748 J	0.005 U	0.005 U	0.0500 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.0050 U	0.0007 U	0.0007 U	0.0007 U	0.0050 U
Chromium Total (dissolved)	mg/L	0.1	NC	0.0056 J	0.0286 J	0.005 U	0.005 U	**0.298**
Copper (dissolved)	mg/L	1.3	4.09	-	0.02 U	0.002 U	0.002 U	-
Lead (dissolved)	mg/L	0.015	0.015	0.0100 U	0.01 U	0.001 U	0.001 U	0.0100 U
Manganese (dissolved)	mg/L	NC	NC	0.376 J	1.46	0.005 U	0.005 U	3.42
Potassium (dissolved)	mg/L	NC	NC	8.52	27.4	3.72	3.57	60.6
Selenium (dissolved)	mg/L	0.05	0.511	0.0200 U	0.05 U	0.005 U	0.005 U	0.0200 U
Silver (dissolved)	mg/L	0.1	0.511	0.0005 J	0.01 U	0.001 U	0.001 U	0.0007 J
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	-	0.0100 U	0.0100 U	0.0100 U	-
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	-	0.00740 J	0.0100 U	0.0100 U	-
Chromium VI (hexavalent)	mg/L	0.01	0.01	-	**0.0246**[ab]	0.0100 U	0.0100 U	-
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	-	**0.0212**[ab]	0.0100 U	0.0100 U	-

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-10*
			Sample ID:	*GW-030509-DJB-002*	*GW-032410-DJB-004*	*GW-032410-DJB-005*	*GW-032911-DJB-005*	*GW-030509-DJB-003*
			Sample Date:	*3/5/2009*	*3/24/2010*	*3/24/2010*	*3/29/2011*	*3/5/2009*
				Duplicate		*Duplicate*		
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.0500 U	0.005 U	0.005 U	0.005 U	0.0500 U
Cadmium	mg/L	0.005	0.0511	0.0007 J	0.000692 J	0.00126	0.00223	0.0014 J
Chromium	mg/L	0.1	NC	**0.294**	**0.172**	**0.172**	**0.217**	0.0760
Copper	mg/L	1.3	4.09	-	0.000176 J	0.000229 J	0.002 U	-
Lead	mg/L	0.015	0.015	0.0100 U	0.001 U	0.00018 J	0.001 U	0.0077 J
Manganese	mg/L	NC	NC	4.07	0.473	0.483	0.0718	1.31
Potassium	mg/L	NC	NC	53.2	58.1	65.3	70.6	788
Selenium	mg/L	0.05	0.511	0.0156 J	0.005 U	0.000922 J	0.005 U	**0.0586**[a]
Silver	mg/L	0.1	0.511	0.0009 J	0.000219 J	0.000014 J	0.001 U	0.0100 U
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	-	0.005 U	0.005 U	0.005 U	0.0500 U
Cadmium (dissolved)	mg/L	0.005	0.0511	-	0.000444 J	0.000391 J	0.00133	0.0011 J
Chromium Total (dissolved)	mg/L	0.1	NC	-	**0.16**	**0.165**	**0.209**	0.0805
Copper (dissolved)	mg/L	1.3	4.09	-	0.002 U	0.002 U	0.00504	-
Lead (dissolved)	mg/L	0.015	0.015	-	0.001 U	0.001 U	0.001 U	0.0031 J
Manganese (dissolved)	mg/L	NC	NC	-	0.526	0.522	0.0213	0.880
Potassium (dissolved)	mg/L	NC	NC	-	56.7	55.7	64.8	712
Selenium (dissolved)	mg/L	0.05	0.511	-	0.005 U	0.005 U	0.005 U	**0.0527**[a]
Silver (dissolved)	mg/L	0.1	0.511	-	0.001 U	0.001 U	0.001 U	0.0100 U
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	-	0.0100 U	0.0100 U	**0.0248**[a]	-
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	-	0.0100 U	0.0100 U	**0.0178**[a]	-
Chromium VI (hexavalent)	mg/L	0.01	0.01	-	**0.170**[ab]	**0.174**[ab]	**0.192**[ab]	-
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	-	**0.172**[ab]	**0.178**[ab]	**0.191**[ab]	-

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-10*	*MW-10*	*MW-11*	*MW-11*	*MW-11*
			Sample ID:	*GW-032410-DJB-002*	*GW-032911-DJB-003*	*GW-030509-DJB-004*	*GW-032410-DJB-003*	*GW-032911-DJB-004*
			Sample Date:	*3/24/2010*	*3/29/2011*	*3/5/2009*	*3/24/2010*	*3/29/2011*
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.005 U	0.005 U	0.0500 U	0.005 U	0.005 U
Cadmium	mg/L	0.005	0.0511	**0.00938**[a]	0.00387	0.0050 U	0.00144	0.00366
Chromium	mg/L	0.1	NC	0.0866	**0.113**	**0.279**	**0.266**	**0.163**
Copper	mg/L	1.3	4.09	0.00572	0.00701	-	0.00908	0.00303
Lead	mg/L	0.015	0.015	0.00125	0.001 U	0.0038 J	0.00144	0.001 U
Manganese	mg/L	NC	NC	4.01	4.78	3.94	2.93	0.564
Potassium	mg/L	NC	NC	737	638	129	140	151
Selenium	mg/L	0.05	0.511	**0.0592**[a]	0.0441	0.0151 J	0.00658	0.005 U
Silver	mg/L	0.1	0.511	0.000729 J	0.001 U	0.0100 U	0.000031 J	0.001 U
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	0.00251 J	0.005 U	0.0500 U	0.05 U	0.005 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.00489 J	0.00361	0.0050 U	0.007 U	0.00148
Chromium Total (dissolved)	mg/L	0.1	NC	0.0923	**0.102**	**0.292**	**0.217**	**0.179**
Copper (dissolved)	mg/L	1.3	4.09	0.02 U	0.00827	-	0.02 U	0.00697
Lead (dissolved)	mg/L	0.015	0.015	0.01 U	0.001 U	0.0100 U	0.01 U	0.001 U
Manganese (dissolved)	mg/L	NC	NC	1.34	5.19	2.22	0.346	0.591
Potassium (dissolved)	mg/L	NC	NC	702	559	123	127	115
Selenium (dissolved)	mg/L	0.05	0.511	**0.0673**[a]	0.0433	0.0200 U	0.05 U	0.005 U
Silver (dissolved)	mg/L	0.1	0.511	0.01 U	0.001 U	0.0100 U	0.01 U	0.001 U
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	**0.0262**[a]	**0.0218**[a]	-	0.0100 U	**0.0105**[a]
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	**0.0205**[a]	**0.0145**[a]	-	**0.0222**[a]	**0.0276**[a]
Chromium VI (hexavalent)	mg/L	0.01	0.01	**0.0605**[ab]	**0.0909**[ab]	-	**0.265**[ab]	**0.152**[ab]
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	**0.0718**[ab]	**0.0874**[ab]	-	**0.195**[ab]	**0.151**[ab]

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE

PRE- AND POST-INJECTION PERFORMANCE MONITORING
ANALYTICAL RESULTS SUMMARY - OCTOBER - DECEMBER 2011
BIRDSONG PEANUT PROPERTY
COLQUITT, GEORGIA

Location ID:				MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-7D	MW-7D	MW-7D
Sample Name:				GW-100511-SAG-005	GW-100511-SAG-006	GW-112911-SAG-001	GW-122911-SAG-001	GW-122911-SAG-002	GW-031312-DJB-004	GW-031312-DJB-005	GW-100511-SAG-004	GW-112911-SAG-002	GW-122911-SAG-003
Sample Date:				10/5/2011	10/5/2011	11/29/11	12/29/2011	12/29/2011	3/13/2012	3/13/2012	10/5/2011	11/29/11	12/29/2011
		Georgia HSRA RRS			Duplicate			Duplicate		Duplicate			
Parameters	*Units*	*Type 1*	*Type 4*										
		a	*b*										
Metals(Total)													
Chromium	mg/L	0.1	NC	0.191[a]	0.193[a]	0.199[a]	0.11[a]	0.111[a]	0.189[a]	0.192[a]	0.00658	0.005 U	0.005 U
Chromium III (trivalent)	mg/L	0.01	153.3	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Chromium VI (hexavalent)	mg/L	0.01	0.01	0.193[ab]	0.199[ab]	0.125[ab]	0.110[ab]	0.113[ab]	0.193[ab]	0.202[ab]	0.0100 U	0.0100 U	0.0100 U
Metals (Dissolved)													
Chromium (dissolved)	mg/L	0.1	NC	0.19[a]	0.192[a]	0.117[a]	0.11[a]	0.117[a]	0.186[a]	0.186[a]	0.00642	0.005 U	0.005 U
Chromium III (trivalent) (dissolved)	mg/L	0.01	153.3	0.0100 U	0.0100 U	0.0100 U	0.0100 U	-	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	0.192[ab]	0.194[ab]	0.126[ab]	0.104[ab]	-	0.193[ab]	0.199[ab]	0.0100 U	0.0100 U	0.0100 U
Residual KMNO3	mg/L	NC	NC	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)			ND (0.25)	ND (0.25)	ND (0.25)

Notes:

Injection started on October 26 and completed on November 18, 2011.
0.5% concentrated sodium thiosulfate and ferrous sulfate solution was injected in 56 DPT points
mg/L - milligram per liter
U - Non-detect at the associated value.
NC - No established Criteria
0.193[a] - exceeds Type 1 Risk Reduction Standard (RRS)
0.193[b] - exceeds Type 4 Risk Reduction Standard (RRS)

TABLE

PRE- AND POST-INJECTION PERFORMANCE MONITORING
ANALYTICAL RESULTS SUMMARY - OCTOBER - DECEMBER 2011
BIRDSONG PEANUT PROPERTY
COLQUITT, GEORGIA

Location ID:				MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-17D	MW-17D	MW-17D	MW-17D
Sample Name:				GW-100511-SAG-001	GW-112911-SAG-003	GW-122911-SAG-004	GW-031312-DJB-001	GW-100511-SAG-003	GW-112911-SAG-006	GW-122911-SAG-006	GW-031312-DJB-002	GW-100511-SAG-002	GW-112911-SAG-004	GW-112911-SAG-005	GW-122911-SAG-005
Sample Date:				10/5/2011	11/29/11	12/29/2011	3/13/2012	10/5/2011	11/29/11	12/29/2011	3/13/2012	10/5/2011	11/29/11	11/29/11	12/29/2011
		Georgia HSRA RRS													
Parameters	*Units*	*Type 1*	*Type 4*												
		a	*b*												
Metals(Total)															
Chromium	mg/L	0.1	NC	0.118[a]	0.099	0.0884	0.0928	0.199[a]	0.211[a]	0.204[a]	0.207[a]	0.005 U	0.005 U	0.005 U	0.005 U
Chromium III (trivalent)	mg/L	0.01	153.3	0.0162[a]	0.0100 U	0.0184[a]	0.0128[a]	0.0100 U	0.0433[a]	0.0100 U	0.0433[a]	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Chromium VI (hexavalent)	mg/L	0.01	0.01	0.102[ab]	0.0943[ab]	0.0700[ab]	0.080[ab]	0.215[ab]	0.168[ab]	0.240[ab]	0.163 J[ab]	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Metals (Dissolved)															
Chromium (dissolved)	mg/L	0.1	NC	0.0988	0.0875	0.0792	0.0891	0.174[a]	0.194[a]	0.187[a]	0.146[a]	0.005 U	0.005 U	0.005 U	0.005 U
Chromium III (trivalent) (dissolved)	mg/L	0.01	153.3	0.0140[a]	0.0100 U	0.0180[a]	0.0100 U	0.0100 U	0.0259[a]	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	0.0848[ab]	0.0932[ab]	0.0612[ab]	0.080[ab]	0.184[ab]	0.168[ab]	0.178[ab]	0.217 J[ab]	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Residual KMNO3	mg/L	NC	NC	ND (0.25)	ND (0.25)	ND (0.25)		ND (0.25)	ND (0.25)	ND (0.25)		ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)

Notes:

Injection started on October 26 and completed on November 18, 2011.
0.5% concentrated sodium thiosulfate and ferrous sulfate solution was injected i
mg/L - milligram per liter
U - Non-detect at the associated value.
NC - No established Criteria
0.193[a] - exceeds Type 1 Risk Reduction Standard (RRS)
0.193[b] - exceeds Type 4 Risk Reduction Standard (RRS)

TABLE

GROUNDWATER ELEVATIONS (MARCH 2012)
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

Well ID	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-4	03/13/2012	92.70		92.70
MW-5	03/13/2012	95.57	18.57	77.00
MW-6	03/13/2012	94.26	16.97	77.29
MW-7D	03/13/2012	93.75	16.50	77.25
MW-8	03/13/2012	93.57	16.39	77.18
MW-9	03/13/2012	92.85	7.52	85.33
MW-10	03/13/2012	93.41	7.48	85.93
MW-11	03/13/2012	94.44	5.82	88.62
MW-12	03/13/2012	95.46	covered	--
MW-13	03/13/2012	93.76	8.47	85.29
MW-14	03/13/2012	96.72	6.22	90.50
MW-15	03/13/2012	93.30	7.75	85.55
MW-16	03/13/2012	96.34	covered	--
MW-17D	03/13/2012	93.40	16.18	77.22

Notes:
AMSL- Above Mean Sea Level
TOC- Top of Casing
Monitoring wells MW-12 and MW-16 not found

TABLE

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (MARCH 2012)
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-5*	*MW-6*	*MW-6*	*MW-10*	*MW-11*
			Sample ID:	*GW-031312-DJB-003*	*GW-031312-DJB-004*	*GW-031312-DJB-005*	*GW-031312-DJB-001*	*GW-031312-DJB-002*
			Sample Date:	*3/13/2012*	*3/13/2012*	*3/13/2012*	*3/13/2012*	*3/13/2012*
						Duplicate		
		Criteria						
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b					
Total Metals								
Arsenic	mg/L	0.01	0.01	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	mg/L	0.005	0.0511	0.0007 U	**0.00951[a]**	**0.00964[a]**	0.00405	0.00112
Chromium	mg/L	0.1	NC	0.005 U	**0.189[a]**	**0.192[a]**	0.0928	**0.207[a]**
Copper	mg/L	1.3	4.09	0.002 U	0.00252	0.00265	0.0266	0.0053
Lead	mg/L	0.015	0.015	0.001 U	0.001 U	0.001 U	0.00118	0.00127
Manganese	mg/L	NC	NC	0.0408	0.212	0.216	14.5	0.685 J
Potassium	mg/L	NC	NC	1.22	56.5	57.7	475	121
Selenium	mg/L	0.05	0.511	0.005 U	0.005 U	0.005 U	0.0457	0.005 U
Silver	mg/L	0.1	0.511	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dissolved Metals								
Arsenic (dissolved)	mg/L	0.01	0.01	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.0007 U	**0.00889[a]**	**0.00862[a]**	0.00384	0.00102
Chromium Total (dissolved)	mg/L	0.1	NC	0.005 U	**0.186[a]**	**0.186[a]**	0.0891	**0.146[a]**
Copper (dissolved)	mg/L	1.3	4.09	0.002 U	0.00203	0.002 U	0.023	0.00304
Lead (dissolved)	mg/L	0.015	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Manganese (dissolved)	mg/L	NC	NC	0.017	0.198	0.194	15	1.43 J
Potassium (dissolved)	mg/L	NC	NC	1.29	55.3	55.1	487	108
Selenium (dissolved)	mg/L	0.05	0.511	0.005 U	0.005 U	0.005 U	0.0389	0.005 U
Silver (dissolved)	mg/L	0.1	0.511	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Speciated Chromium								
Chromium III (trivalent)	mg/L	0.01	153	0.0100 U	0.0100 U	0.0100 U	**0.0128[a]**	**0.0433[a]**
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Chromium VI (hexavalent)	mg/L	0.01	0.01	0.0100 U	**0.193[ab]**	**0.202[ab]**	**0.0800[ab]**	**0.163 J[ab]**
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	0.0100 U	**0.193[ab]**	**0.199[ab]**	**0.0800[ab]**	**0.217 J[ab]**

Notes:
J - Estimated concentration.
NC - No criteria.
U - Not present at or above the associated value.
1, Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript(s).

018283-TBL3

TABLE

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-5*	*MW-6*	*MW-6*
			Sample ID:	*GW-030509-DJB-005*	*GW-032410-DJB-001*	*GW-032911-DJB-001*	*GW-032911-DJB-002*	*GW-031312-DJB-003*	*GW-030509-DJB-001*	*GW-030509-DJB-002*
			Sample Date:	*3/5/2009*	*3/24/2010*	*3/29/2011*	*3/29/2011*	*3/13/2012*	*3/5/2009*	*3/5/2009*
							Duplicate			*Duplicate*
		Criteria								
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b							
Total Metals										
Arsenic	mg/L	0.01	0.01	0.0500 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0500 U	0.0500 U
Cadmium	mg/L	0.005	0.0511	0.0050 U	0.000126 J	0.0007 U	0.0007 U	0.0007 U	0.0004 J	0.0007 J
Chromium	mg/L	0.1	NC	0.0057 J	0.0267	0.005 U	0.005 U	0.005 U	**0.298[a]**	**0.294[a]**
Copper	mg/L	1.3	4.09	-	0.000288 J	0.002 U	0.002 U	0.002 U	-	-
Lead	mg/L	0.015	0.015	0.0100 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0100 U	0.0100 U
Manganese	mg/L	NC	NC	0.175 J	2.23	0.0502	0.0517	0.0408	4.05	4.07
Potassium	mg/L	NC	NC	6.09	29.6	3.7	3.65	1.22	51.4	53.2
Selenium	mg/L	0.05	0.511	0.0200 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0140 J	0.0156 J
Silver	mg/L	0.1	0.511	0.0004 J	0.001 U	0.001 U	0.001 U	0.001 U	0.0100 U	0.0009 J
Dissolved Metals										
Arsenic (dissolved)	mg/L	0.01	0.01	0.0500 U	0.00748 J	0.005 U	0.005 U	0.005 U	0.0500 U	-
Cadmium (dissolved)	mg/L	0.005	0.0511	0.0050 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0050 U	-
Chromium Total (dissolved)	mg/L	0.1	NC	0.0056 J	0.0286 J	0.005 U	0.005 U	0.005 U	**0.298[a]**	-
Copper (dissolved)	mg/L	1.3	4.09	-	0.02 U	0.002 U	0.002 U	0.002 U	-	-
Lead (dissolved)	mg/L	0.015	0.015	0.0100 U	0.01 U	0.001 U	0.001 U	0.001 U	0.0100 U	-
Manganese (dissolved)	mg/L	NC	NC	0.376 J	1.46	0.005 U	0.005 U	0.017	3.42	-
Potassium (dissolved)	mg/L	NC	NC	8.52	27.4	3.72	3.57	1.29	60.6	-
Selenium (dissolved)	mg/L	0.05	0.511	0.0200 U	0.05 U	0.005 U	0.005 U	0.005 U	0.0200 U	-
Silver (dissolved)	mg/L	0.1	0.511	0.0005 J	0.01 U	0.001 U	0.001 U	0.001 U	0.0007 J	-
Speciated Chromium										
Chromium III (trivalent)	mg/L	0.01	153	-	0.0100 U	0.0100 U	0.0100 U	0.0100 U	-	-
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	-	0.00740 J	0.0100 U	0.0100 U	0.0100 U	-	-
Chromium VI (hexavalent)	mg/L	0.01	0.01	-	**0.0246[ab]**	0.0100 U	0.0100 U	0.0100 U	-	-
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	-	**0.0212[ab]**	0.0100 U	0.0100 U	0.0100 U	-	-

Notes:

J - Estimated concentration.

NC - No criteria.

U - Not present at or above the associated value.

1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-6*	*MW-10*	*MW-10*
			Sample ID:	*GW-032410-DJB-004*	*GW-032410-DJB-005*	*GW-032911-DJB-005*	*GW-031312-DJB-004*	*GW-031312-DJB-005*	*GW-030509-DJB-003*	*GW-032410-DJB-002*
			Sample Date:	*3/24/2010*	*3/24/2010*	*3/29/2011*	*3/13/2012*	*3/13/2012*	*3/5/2009*	*3/24/2010*
					Duplicate			*Duplicate*		
		Criteria								
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b							
Total Metals										
Arsenic	mg/L	0.01	0.01	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0500 U	0.005 U
Cadmium	mg/L	0.005	0.0511	0.000692 J	0.00126	0.00223	**0.00951**[a]	**0.00964**[a]	0.0014 J	**0.00938**[a]
Chromium	mg/L	0.1	NC	**0.172**[a]	**0.172**[a]	**0.217**[a]	**0.189**[a]	**0.192**[a]	0.0760	0.0866
Copper	mg/L	1.3	4.09	0.000176 J	0.000229 J	0.002 U	0.00252	0.00265	-	0.00572
Lead	mg/L	0.015	0.015	0.001 U	0.00018 J	0.001 U	0.001 U	0.001 U	0.0077 J	0.00125
Manganese	mg/L	NC	NC	0.473	0.483	0.0718	0.212	0.216	1.31	4.01
Potassium	mg/L	NC	NC	58.1	65.3	70.6	56.5	57.7	788	737
Selenium	mg/L	0.05	0.511	0.005 U	0.000922 J	0.005 U	0.005 U	0.005 U	**0.0586**[a]	**0.0592**[a]
Silver	mg/L	0.1	0.511	0.000219 J	0.000014 J	0.001 U	0.001 U	0.001 U	0.0100 U	0.000729 J
Dissolved Metals										
Arsenic (dissolved)	mg/L	0.01	0.01	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0500 U	0.00251 J
Cadmium (dissolved)	mg/L	0.005	0.0511	0.000444 J	0.000391 J	0.00133	**0.00889**[a]	**0.00862**[a]	0.0011 J	0.00489 J
Chromium Total (dissolved)	mg/L	0.1	NC	**0.16**[a]	**0.165**[a]	**0.209**[a]	**0.186**[a]	**0.186**[a]	0.0805	0.0923
Copper (dissolved)	mg/L	1.3	4.09	0.002 U	0.002 U	0.00504	0.00203	0.002 U	-	0.02 U
Lead (dissolved)	mg/L	0.015	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0031 J	0.01 U
Manganese (dissolved)	mg/L	NC	NC	0.526	0.522	0.0213	0.198	0.194	0.880	1.34
Potassium (dissolved)	mg/L	NC	NC	56.7	55.7	64.8	55.3	55.1	712	702
Selenium (dissolved)	mg/L	0.05	0.511	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.0527**[a]	**0.0673**[a]
Silver (dissolved)	mg/L	0.1	0.511	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0100 U	0.01 U
Speciated Chromium										
Chromium III (trivalent)	mg/L	0.01	153	0.0100 U	0.0100 U	**0.0248**[a]	0.0100 U	0.0100 U	-	**0.0262**[a]
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	0.0100 U	0.0100 U	**0.0178**[a]	0.0100 U	0.0100 U	-	**0.0205**[a]
Chromium VI (hexavalent)	mg/L	0.01	0.01	**0.170**[ab]	**0.174**[ab]	**0.192**[ab]	**0.193**[ab]	**0.202**[ab]	-	**0.0605**[ab]
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	**0.172**[ab]	**0.178**[ab]	**0.191**[ab]	**0.193**[ab]	**0.199**[ab]	-	**0.0718**[ab]

Notes:

J - Estimated concentration.

NC - No criteria.

U - Not present at or above the associated value.

1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

TABLE

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
ANNUAL GROUNDWATER MONITORING AND SAMPLING
BIRDSONG PEANUT PROPERTY (HSI NO. 10710)
COLQUITT, GEORGIA

			Sample Location:	*MW-10*	*MW-10*	*MW-11*	*MW-11*	*MW-11*	*MW-11*
			Sample ID:	*GW-032911-DJB-003*	*GW-031312-DJB-001*	*GW-030509-DJB-004*	*GW-032410-DJB-003*	*GW-032911-DJB-004*	*GW-031312-DJB-002*
			Sample Date:	*3/29/2011*	*3/13/2012*	*3/5/2009*	*3/24/2010*	*3/29/2011*	*3/13/2012*
		Criteria							
Parameters	*Units*	*Type 1 RRS* a	*Type 4 RRS* b						
Total Metals									
Arsenic	mg/L	0.01	0.01	0.005 U	0.005 U	0.0500 U	0.005 U	0.005 U	0.005 U
Cadmium	mg/L	0.005	0.0511	0.00387	0.00405	0.0050 U	0.00144	0.00366	0.00112
Chromium	mg/L	0.1	NC	**0.113[a]**	0.0928	**0.279[a]**	**0.266[a]**	**0.163[a]**	**0.207[a]**
Copper	mg/L	1.3	4.09	0.00701	0.0266	-	0.00908	0.00303	0.0053
Lead	mg/L	0.015	0.015	0.001 U	0.00118	0.0038 J	0.00144	0.001 U	0.00127
Manganese	mg/L	NC	NC	4.78	14.5	3.94	2.93	0.564	0.685 J
Potassium	mg/L	NC	NC	638	475	129	140	151	121
Selenium	mg/L	0.05	0.511	0.0441	0.0457	0.0151 J	0.00658	0.005 U	0.005 U
Silver	mg/L	0.1	0.511	0.001 U	0.001 U	0.0100 U	0.000031 J	0.001 U	0.001 U
Dissolved Metals									
Arsenic (dissolved)	mg/L	0.01	0.01	0.005 U	0.005 U	0.0500 U	0.05 U	0.005 U	0.005 U
Cadmium (dissolved)	mg/L	0.005	0.0511	0.00361	0.00384	0.0050 U	0.007 U	0.00148	0.00102
Chromium Total (dissolved)	mg/L	0.1	NC	**0.102[a]**	0.0891	**0.292[a]**	**0.217[a]**	**0.179[a]**	**0.146[a]**
Copper (dissolved)	mg/L	1.3	4.09	0.00827	0.023	-	0.02 U	0.00697	0.00304
Lead (dissolved)	mg/L	0.015	0.015	0.001 U	0.001 U	0.0100 U	0.01 U	0.001 U	0.001 U
Manganese (dissolved)	mg/L	NC	NC	5.19	15	2.22	0.346	0.591	1.43 J
Potassium (dissolved)	mg/L	NC	NC	559	487	123	127	115	108
Selenium (dissolved)	mg/L	0.05	0.511	0.0433	0.0389	0.0200 U	0.05 U	0.005 U	0.005 U
Silver (dissolved)	mg/L	0.1	0.511	0.001 U	0.001 U	0.0100 U	0.01 U	0.001 U	0.001 U
Speciated Chromium									
Chromium III (trivalent)	mg/L	0.01	153	**0.0218[a]**	**0.0128[a]**	-	0.0100 U	**0.0105[a]**	**0.0433[a]**
Chromium III (trivalent) (dissolved)	mg/L	0.01	153	**0.0145[a]**	0.0100 U	-	**0.0222[a]**	**0.0276[a]**	0.0100 U
Chromium VI (hexavalent)	mg/L	0.01	0.01	**0.0909[ab]**	**0.0800[ab]**	-	**0.265[ab]**	**0.152[ab]**	**0.163 J[ab]**
Chromium VI (hexavalent) (dissolved)	mg/L	0.01	0.01	**0.0874[ab]**	**0.0800[ab]**	-	**0.195[ab]**	**0.151[ab]**	**0.217 J[ab]**

Notes:

J - Estimated concentration.

NC - No criteria.

U - Not present at or above the associated value.

1. Exceedences of Georgia HSRA Type 1 RRS (a) and Type 4 RRS (b) are shaded, bordered and denoted in red, bold font with the appropriate superscript.

Table 3: Summary of Historical Ground-Water Laboratory Analytical Results – June 2007 to April 2014
(Page 1 of 4)

Parameters	Date	Sample Identification (results in mg/L unless otherwise noted) [1]						GA EPD HSRA [2] RRS Type 1 / RRS Type 4
		MW-5	MW-6	MW-7D	MW-10	MW-11 [3]	MW-17D	
Chromium (total)	06/27/07	NS	**0.701**	NS	NS	NS	NS	***0.1 / No Type 4 RRS***
	03/05/09	0.0057 J	**0.298/0.294** D	NS	0.0760	**0.279**	NS	
	03/24/10	0.0267	**0.172/0.172** D	NS	0.0866	**0.266**	NS	
	03/29/11	0.005 U/D	**0.217**	NS	**0.113**	**0.163**	NS	
	10/05/11	0.005 U	**0.191/0.193** D	0.00658	**0.118**	**0.199**	0.005 U	
	11/29/11	NS	**0.199**	0.005 U	0.099	**0.211**	0.005 U	
	12/29/11	NS	**0.11/0.111** D	0.005 U	0.0884	**0.204**	0.005 U	
	03/13/12	0.005 U	**0.189/0.192** D	NS	0.0928	**0.207**	NS	
	04/16-17/13	NS	NS	NS	NS	NS	NS	
	04/01/14	NS	0.0472	0.0939	**0.101**	NS	0.0100 U/*D	
Chromium III (+3) (total)	06/27/07	NS	NS	NS	NS	NS	NS	***0.01 / 153.3***
	03/05/09	NS	NS	NS	NS	NS	NS	
	03/24/10	0.0100 U	0.0100 U/D	NS	**0.0262**	0.0100 U	NS	
	03/29/11	0.0100 U/D	**0.248**	NS	**0.0218**	**0.0105**	NS	
	10/05/11	NS	0.0100 U/D	0.0100 U	**0.0162**	0.0100 U	0.0100 U	
	11/29/11	NS	0.0100 U	0.0100 U	0.0100 U	**0.0433**	0.0100 U	
	12/29/11	NS	0.0100 U	0.0100 U	**0.0184**	0.0100 U	0.0100 U	
	03/13/12	0.0100 U	0.0100 U/D	NS	**0.0128**	**0.0433**	NS	
	04/16-17/13	NS	NS	NS	NS	NS	NS	
	04/01/14	NS	**0.0113**	**0.0939**	0.0100 U	NS	0.0100 U/*D	

Notes and acronym definitions are listed on page 4.

Table 3: Summary of Historical Ground-Water Laboratory Analytical Results – June 2007 to April 2014
(Page 2 of 4)

Parameters	Date	Sample Identification (results in mg/L unless otherwise noted) [1]						GA EPD HSRA [2] RRS Type 1 / RRS Type 4
		MW-5	MW-6	MW-7D	MW-10	MW-11 [3]	MW-17D	
Chromium VI (+6) (total)	06/27/07	NS	NS	NS	NS	NS	NS	***0.01 / 0.01***
	03/05/09	NS	NS	NS	NS	NS	NS	
	03/24/10	**0.246**	**0.170/0.174**	NS	**0.605**	**0.265**	NS	
	03/29/11	0.0100 U/D	**0.192**	NS	**0.0909**	**0.152**	NS	
	10/05/11	NS	**0.193/0.199** D	0.0100 U	**0.102**	**0.215**	0.0100 U	
	11/29/11	NS	**0.125**	0.0100 U	**0.0943**	**0.168**	0.0100 U	
	12/29/11	NS	**0.110/0.113** D	0.0100 U	**0.0700**	**0.240**	0.0100 U	
	03/13/12	0.0100 U	**0.193/0.202** D	NS	**0.0800**	**0.163** J	NS	
	04/16-17/13	NS	NS	NS	NS	NS	NS	
	04/01/14	NS	**0.0359**	0.0100 U	**0.104**	NS	0.0100 U/*D	
Chromium (total dissolved)	06/27/07	NS	**NS**	NS	**NS**	NS	NS	***0.1 / No Type 4 RRS***
	03/05/09	0.0056 J	**0.298**	NS	**NS**	0.292	NS	
	03/24/10	0.0286 J	**0.16/0.165 D**	NS	**NS**	0.217	NS	
	03/29/11	0.005 U/D	**0.209**	NS	**0.102**	0.179	NS	
	10/05/11	NS	**0.19/0.192 D**	0.00642	**0.0988**	0.174	0.005 U	
	11/29/11	NS	**0.117**	0.005 U	**0.0875**	0.194	0.005 U	
	12/29/11	NS	**0.11/0.117**	0.005 U	**0.0792**	0.187	0.005 U	
	03/13/12	0.005 U	**0.186/0.186 D**	NS	**0.0891**	0.146	NS	
	04/16-17/13	NS	**0.0692**	0.005 U	**0.114**	NS	0.005 U/D	
	04/01/14	NS	NS	NS	NS	NS	NS	

Notes and acronym definitions are listed on page 4.

Table 3: Summary of Historical Ground-Water Laboratory Analytical Results – June 2007 to April 2014
(Page 3 of 4)

Parameters	Date	Sample Identification (results in mg/L unless otherwise noted) [1]						GA EPD HSRA [2] RRS Type 1 / RRS Type 3
		MW-5	MW-6	MW-7D	MW-10	MW-11 [3]	MW-17D	
Chromium III (+3) (dissolved)	06/27/07	NS	NS	NS	NS	NS	NS	***0.01 / 153.3***
	03/05/09	NS	NS	NS	NS	NS	NS	
	03/24/10	0.00740 J	0.0100 U/D	NS	**0.0205**	**0.0222**	NS	
	03/29/11	0.0100 U/D	0.0178	NS	**0.0145**	**0.0276**	NS	
	10/05/11	NS	0.0100 U/D	0.0100 U	**0.0140**	0.0100 U	0.0100 U	
	11/29/11	NS	0.0100 U	0.0100 U	0.0100 U	**0.0259**	0.0100 U	
	12/29/11	NS	0.0100 U	0.0100 U	**0.0180**	0.0100 U	0.0100 U	
	03/13/12	0.0100 U	0.0100 U/D	NS	0.0100 U	0.0100 U	0.0100 U	
	04/16-17/13	NS	0.0100 U	0.0100 U	0.0100 U	NS	0.0010 U/D	
	04/01/14	NS	NS	NS	NS	NS	NS	
Chromium VI (+6) (dissolved)	06/27/07	NS	NS	NS	NS	NS	NS	***0.01 / 0.01***
	03/05/09	NS	NS	NS	NS	NS	NS	
	03/24/10	**0.0212**	**0.172/0.178**	NS	**0.0718**	**0.195**	NS	
	03/29/11	0.0100 U/D	**0.191**	NS	**0.0874**	**0.151**	NS	
	10/05/11	NS	**0.192/0.194 D**	0.0100 U	**0.0848**	**0.184**	0.0100 U	
	11/29/11	NS	**0.126**	0.0100 U	**0.0932**	**0.168**	0.0100 U	
	12/29/11	NS	**0.104**	0.0100 U	**0.0612**	**0.178**	0.0100 U	
	03/13/12	0.0100 U	**0.193/0.199** D	NS	**0.0800**	**0.217** J	0.0100 U	
	04/16-17/13	NS	**0.0859**	0.0010 U	**0.126**	NS	0.0010 U/D	
	04/01/14	NS	NS	NS	NS	NS	NS	

Notes and acronym definitions are listed on page 4.

Table 3: Summary of Historical Ground-Water Laboratory Analytical Results – June 2007 to April 2014
(Page 4 of 4)

Notes:

[1]: Groundwater samples were collected by Conestoga-Rovers Associates, Inc. from June 2007 through March 2012. Groundwater samples were collected by BBJ Group from April 2013 to April 2014 and submitted to Analytical Environmental Services, Inc. (AES) of Atlanta, Georgia and shipped to the laboratory for chemical analysis of total and dissolved chromium using USEPA Method 6020A and speciated chromium using USEPA Method 7196. Water quality parameter measurements (i.e., pH, temperature, DO, conductivity, and ORP) were obtained using a YSI 556 water quality meter.

[2]: GA EPD HSRA Type 1 and 4 RRS obtained from the GDNR Chapter 391-3-19-.07 Risk Reduction Standards (Appendix III Media Target Concentrations and Standard Exposure Assumptions). Type I RRS shall pose no significant risk on the basis of standardized exposure assumptions and defined risk level for residential properties. Type 4 RRS shall pose no significant risk on the basis of site-specific risk assessment for non-residential properties.

[3]: Monitoring well MW-11 could not be located during the April 16-17, 2013 or March 31-April 1, 2014 groundwater monitoring events.

Acronym Definitions:

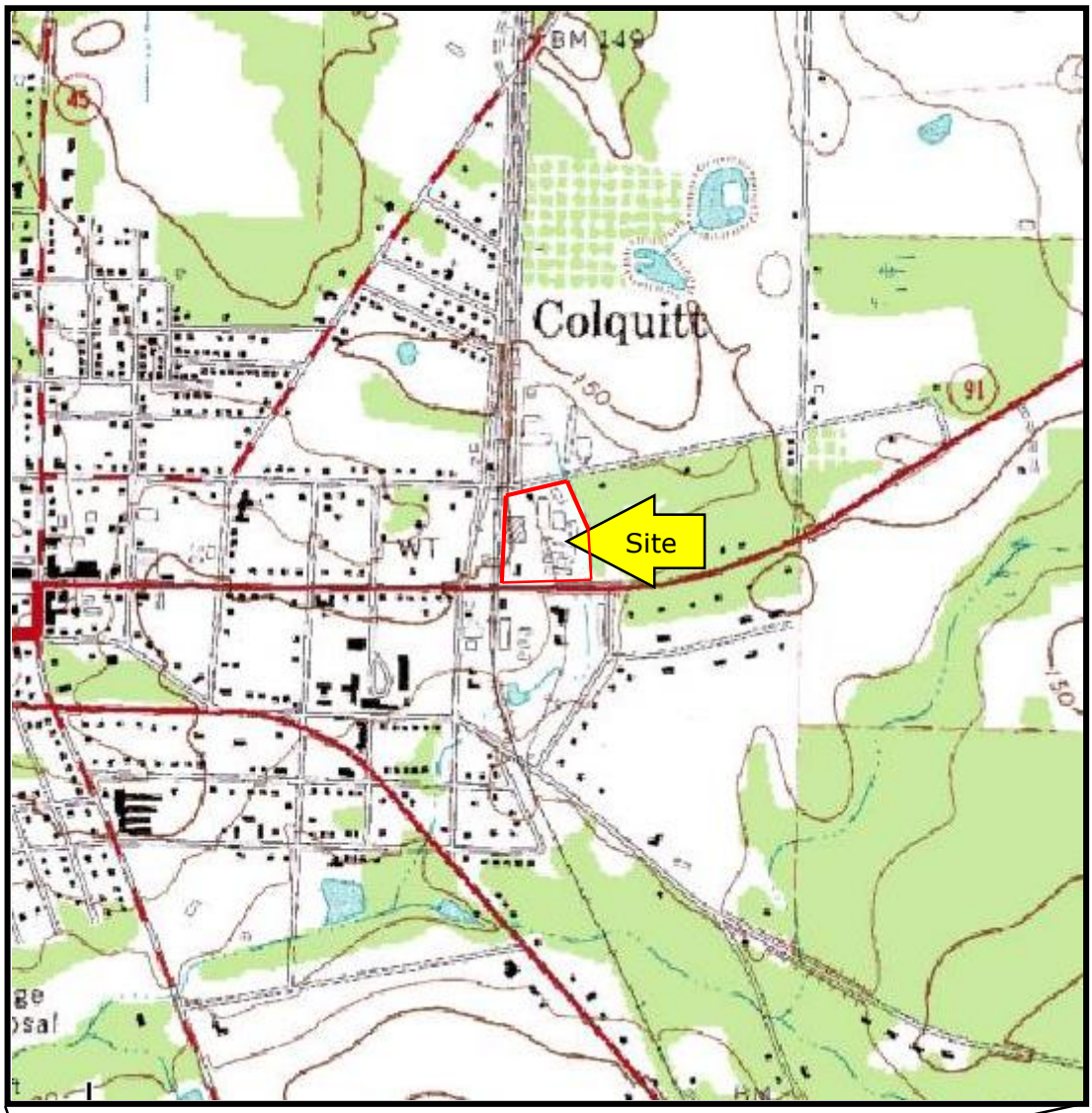
0.126:	Value exceeds the Type 1 RRS.
0.126:	Value exceeds the Type 4 RRS.
U:	not detected at concentrations exceeding the laboratory RLs
HSRA:	Hazardous Site Response Act
USEPA:	United States Environmental Protection Agency
MW:	Monitoring Well
RL:	Reporting Limit (RL)
DO:	Dissolved Oxygen
ORP:	Oxidation-Reduction Potential (millivolts)
mg/L:	milligrams per Liter
GA EPD:	Georgia Environmental Protection Division
NS:	not sampled
RRS:	Risk Reduction Standards
D:	duplicate (sample)
J:	estimated concentration
GDNR:	Georgia Department of Natural Resources

Prepared By/Date: LML / 08.25.15
Checked By/Date: KLM / 08.25.15

FIGURES

Source: Trails.com, USGS Colquitt, Georgia Quadrangle, 7.5 Minute Series (Topographic), 1999-2013

N



Quadrangle Location

0 1/4 1/2 1 MILE

LEGEND

Approximate Subject Property Boundary

Prepared by/Date: LML / 07.01.15
Checked by/Date: JCT / 07.01.15

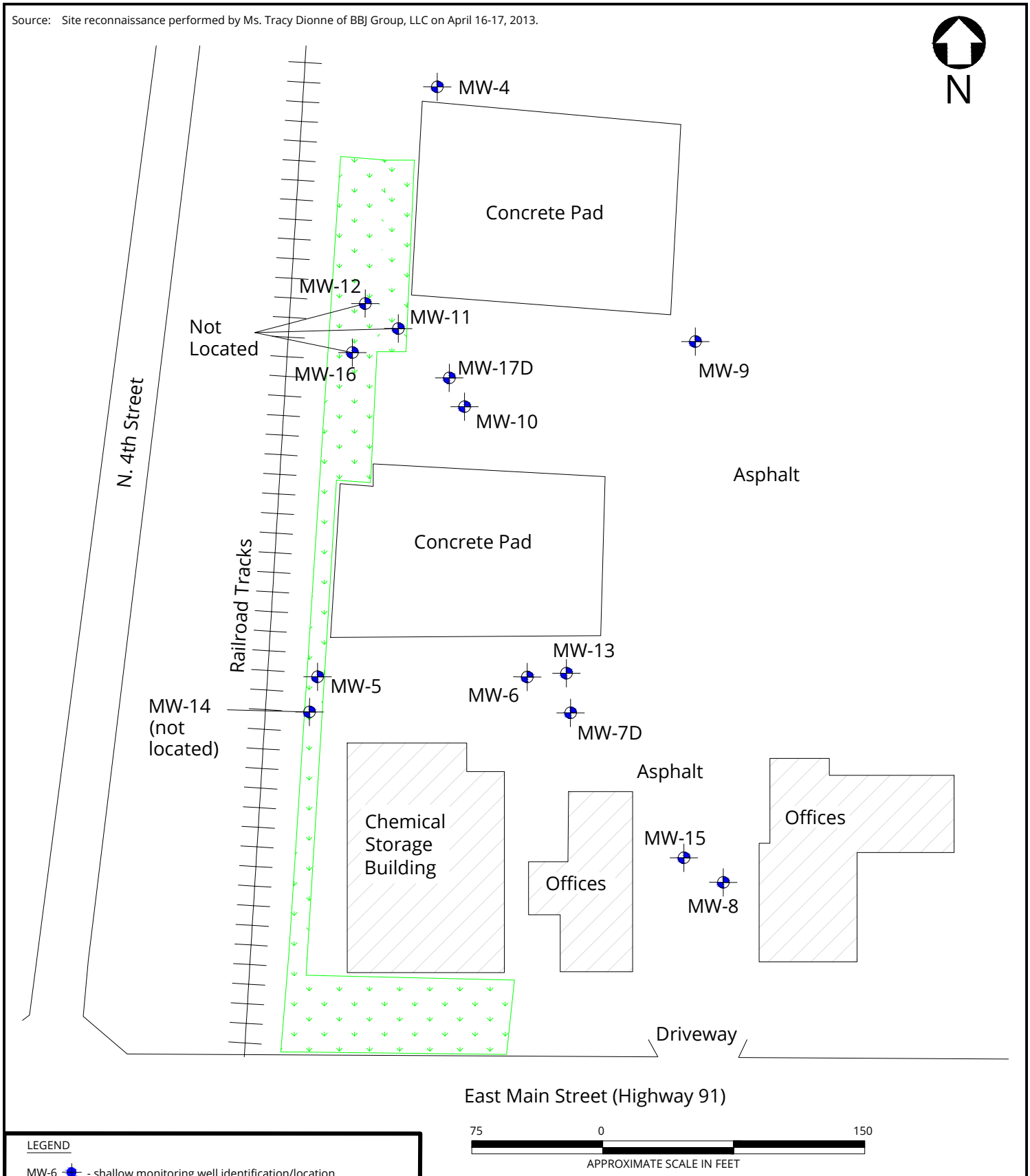
Birdsong Peanut Plant
608 East Main Street (Hwy 91)
Colquitt, Georgia

BBJ GROUP

Site Location Map

Project No. R1507990 Figure 1

Source: Site reconnaissance performed by Ms. Tracy Dionne of BBJ Group, LLC on April 16-17, 2013.



LEGEND

MW-6 - shallow monitoring well identification/location

MW-7D - deep monitoring well identification/location

- grassy area

Note: Monitoring wells MW-11, MW-12 and MW-16 were unable to be located using a metal detector.

Prepared by/Date: LML / 08.24.15

Checked by/Date: JTB / 08.24.15

Birdsong Peanut Plant
608 E Main Street (Hwy 91)
Colquitt, Georgia

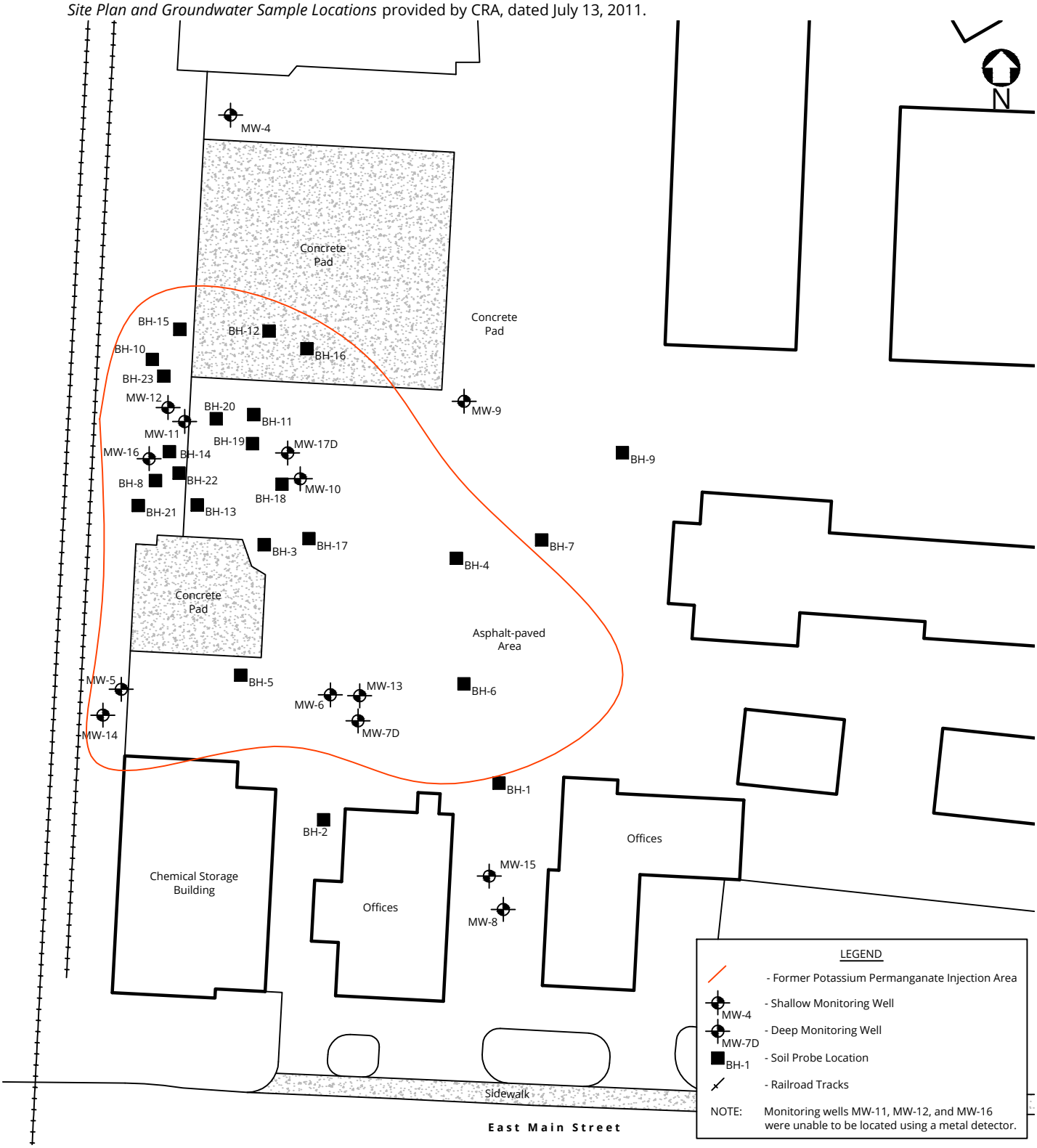
BBJ GROUP

Site Plan

Project No. R1507990

Figure 2

Sources: Site reconnaissance performed by Ms. Tracy Dionne of BBJ Group on March 30 and April 1, 2014.
Aerial photograph reviewed on GoogleEarth, dated November 28, 2014.
Site Plan and Groundwater Sample Locations provided by CRA, dated July 13, 2011.



Prepared by: PTB / Date: 08-25-2015
Checked by: KLM / Date: 08-25-2015

Birdsong Peanut Plant
608 E Main Street (Hwy 91)
Colquitt, Georgia

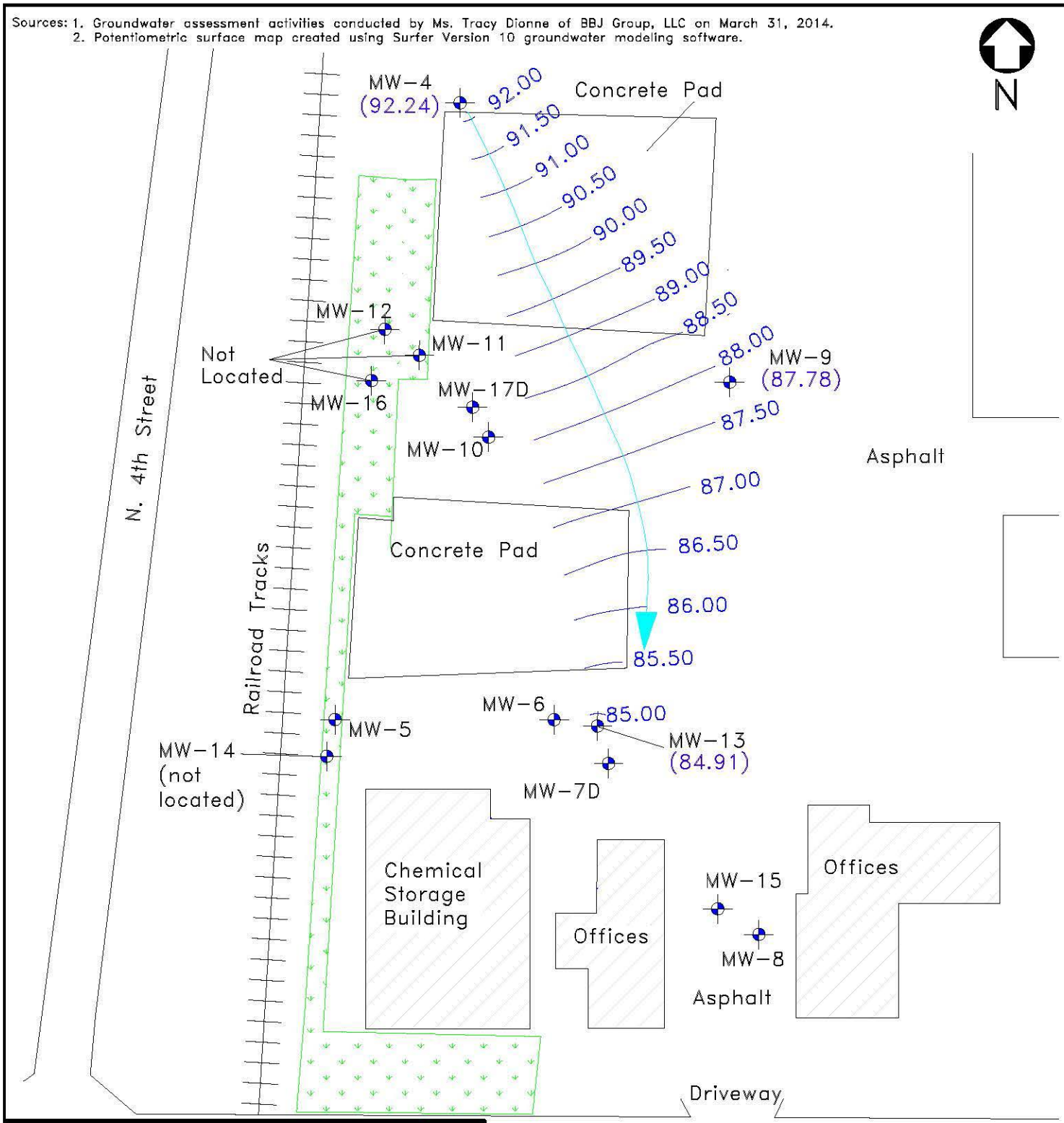
BBJ GROUP

Site Plan with Sample Locations

Project No. R1507990

Figure 3

Sources: 1. Groundwater assessment activities conducted by Ms. Tracy Dionne of BBJ Group, LLC on March 31, 2014.
2. Potentiometric surface map created using Surfer Version 10 groundwater modeling software.



LEGEND

- MW-8 — shallow monitoring well location/identification
- MW-7D — deep monitoring well location/identification
- interpreted groundwater contour
- interpreted direction of groundwater flow
- (87.78) — groundwater elevation
- 84.00 — interpreted groundwater elevation
- grassy area

Note: Data from gauged shallow wells MW-4, MW-9, and MW-13 were used to create map. MW-15 had an anomalously high elevation measurement due to a poor well plug seal which was suspected to have allowed surface water to enter well.

70 0 140

APPROXIMATE SCALE IN FEET

Prepared by/Date: LML / 08.24.15
Checked by/Date: JTB / 08.24.15

Birdsong Peanut Plant
608 E Main Street (Hwy 91)
Colquitt, Georgia

BBJ GROUP

Groundwater Potentiometric Surface Map

Project No. R1507990

Figure 4

PRIMARY SOURCE	PRIMARY RELEASE MECHANISM	SECONDARY SOURCES	SECONDARY RELEASE MECHANISM	PATHWAY	RECEPTORS
Potential Solvents Used in Degreasing Shed	Potential Disposal and/or Leaching to Groundwater	Groundwater	Potassium Permanganate Injection	Groundwater	

	Human		Biota
EXPOSURE ROUTE	**INDUSTRIAL WORKERS**	**CONSTRUCTION WORKERS**	**TERRESTRIAL**
INGESTION	O	P	O
DERMAL CONTACT	O	P	O

Legend

O	Incomplete Exposure Pathway
P	Potential Exposure Pathway
X	Complete Exposure Pathway

Birdsong Peanut Plant
608 East Main Street (Highway 91)
Colquitt, Georgia

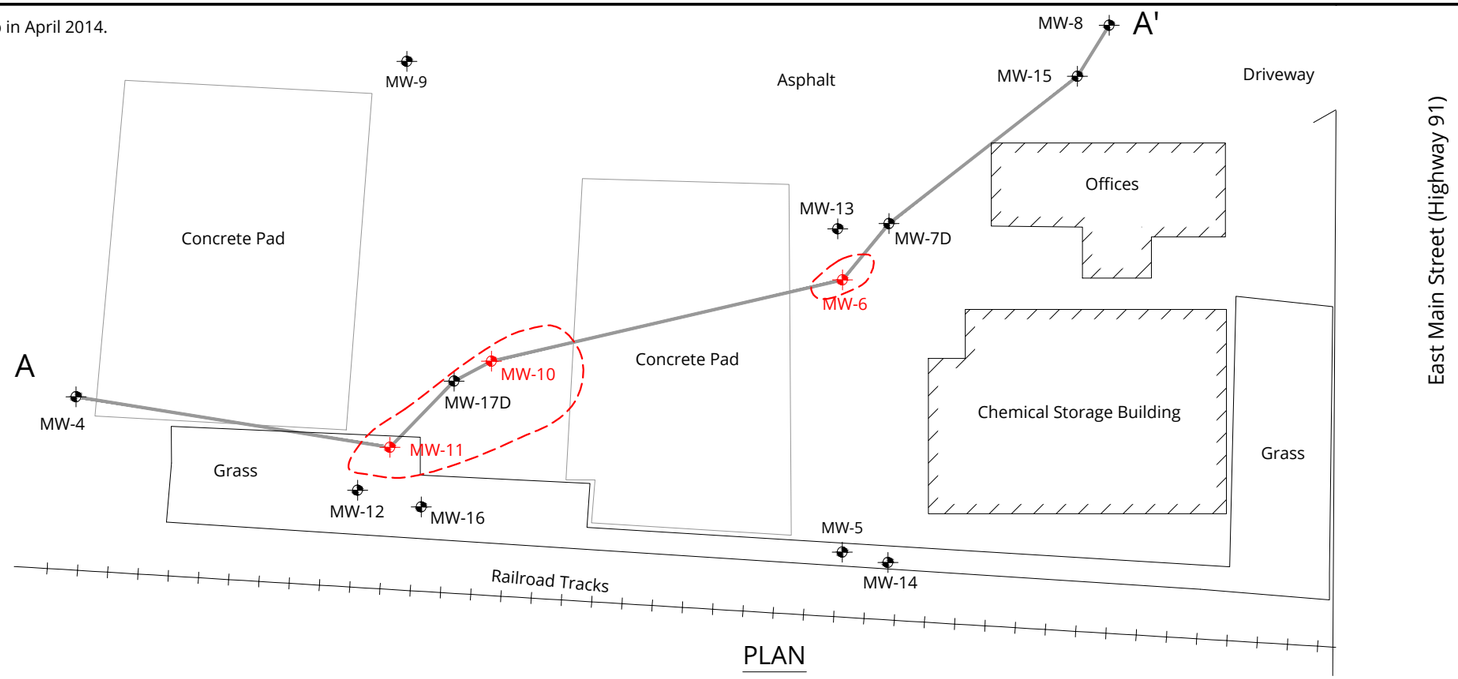
BBJ GROUP

Conceptual Site Model Flow Diagram

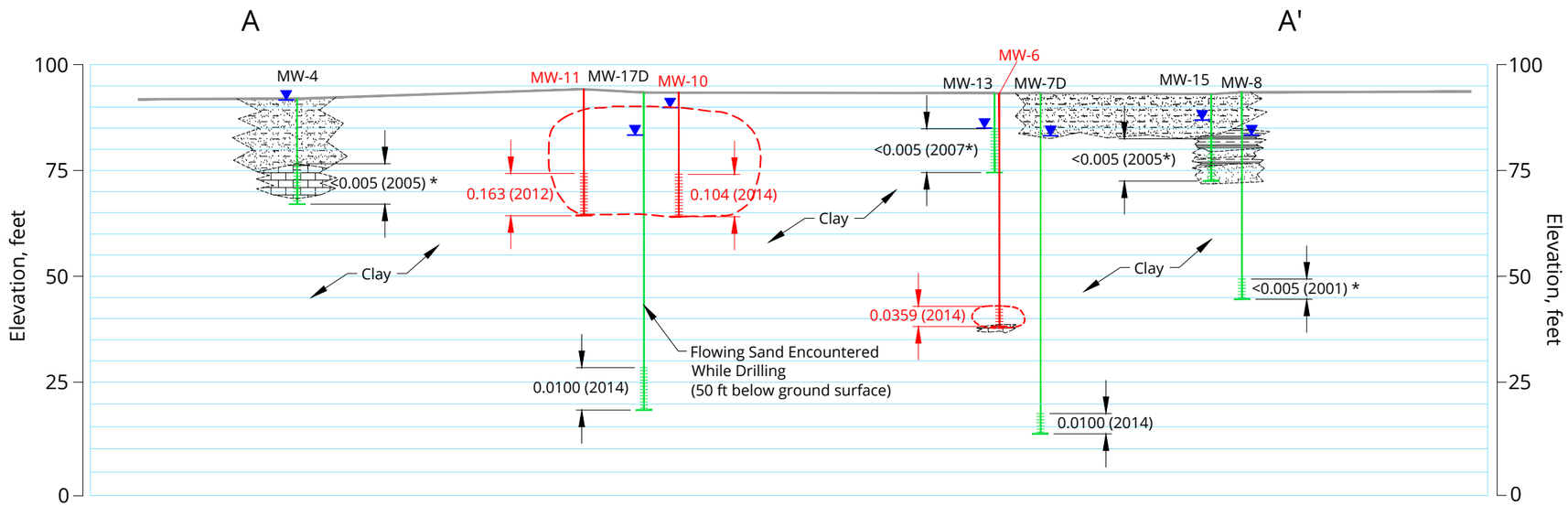
Project No. R1507990

Figure 5

Sources: Site reconnaissance performed by BBJ Group in April 2014.



PLAN



CROSS-SECTION A-A'

0 60 80 160

Horizontal Scale in Feet

LEGEND

- Monitoring Well
- Monitoring Well and Screened Interval
- Groundwater Elevation
- ### Hexavalent chromium laboratory result in interval, milligrams per liter (year sample collected)
- Estimated extent of hexavalent chromium above Type 4 Risk Reduction Standard (0.01 mg/L)
- Silt
- Clay
- Sand
- Weathered Limestone

Notes:

Water levels depicted from the 2014 BBJ Group Sampling Event. MW-11 was not located during this event.

* Indicates that the datum reflects a PCE concentration. Wells with PCE detections below laboratory reporting limits prior to the Full Scale Injection of potassium permanganate are assumed to be free of hexavalent chromium.

Prepared by: LML / Date: 07.01.2015
Checked by: JCT / Date: 08.26.2015

Birdsong Peanut Plant
608 E Main Street (Hwy 91)
Colquitt, Georgia

BBJ GROUP

Cross-Section A-A'

Project No. R1507990

Figure 6

APPENDIX A

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN APPLICATION FORM

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME	Man Investment Holdings Inc.				
CONTACT PERSON/TITLE	Solomon Kuckelman, Head of US Legal				
ADDRESS	452 Fifth Avenue, 27th Floor, New York, NY 10018				
PHONE	(212) 649-6600	FAX	(212) 224-7210	E-MAIL	legalus@maninvestments.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	Tim Bradburne			GA PE/PG NUMBER	698
COMPANY	BBJ Group, LLC				
ADDRESS	500 N. Dearborn St. Suite 712, Chicago, IL 60654				
PHONE	312-219-7769	FAX	312-644-8555	E-MAIL	tbradburne@bbjgroup.com

APPLICANT'S CERTIFICATION

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

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

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

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

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

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

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)	**Solomon Kuckelman** **Secretary**	DATE	21 January 2016

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)			
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number	10710	Date HSI Site listed	December 17, 2001
HSI Facility Name	Birdsong Peanut	NAICS CODE	311911
PROPERTY INFORMATION			
TAX PARCEL ID	C014-027000	PROPERTY SIZE (ACRES)	10.89
PROPERTY ADDRESS	608 East Main Street		
CITY	Colquitt	COUNTY	Miller
STATE	Georgia	ZIPCODE	31737
LATITUDE (decimal format)	31.172947	LONGITUDE (decimal format)	-84.723108
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Birdsong Peanut	PHONE #	229-758-1110
MAILING ADDRESS	P.O. Box 565		
CITY	Colquitt	STATE/ZIPCODE	Georgia, 31737

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	**Date:** **Check #:**	
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.	**Appendix B**	
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	**Appendix C**	
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	**Included**	
5.	The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a **PROJECTED MILESTONE SCHEDULE** for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan	**CSM – Figures 5 and 6** **Delineation Standards – Tables 1 -3** **Text, charts, figures – attached** **Projected Milestone**	

	during the preceding period. A Gantt chart format is preferred for the milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:	**Schedule – page 10**	
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;		
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;		
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and		
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.		
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." J. TIM BRADBURNE P.G. #698 9/22/2016 Printed Name and GA PE/PG Number Date Signature and Stamp		

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

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

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

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

APPENDIX B

WARRANTY DEED

STATE OF GEORGIA, MILLER COUNTY
Clerk's Office, S.C.
Filed for record at 9:35 A.M.
the 5th day of April 2000
and recorded in Book 150 Page 133-137
this 5th day of April 2000
Clerk, S. C.

Real Estate Transfer Tax
Paid $ 4,361.10
Date 4-5-2000
Clerk of Superior Court

AFTER RECORDING RETURN TO:
EVANS J. PLOWDEN, III
WATSON, SPENCE, LOWE AND CHAMBLESS
POST OFFICE BOX 2008
ALBANY, GEORGIA 31702-2008

LIMITED WARRANTY DEED

GEORGIA, DOUGHERTY COUNTY

THIS INDENTURE, made the 31st day of March, 2000, between FARMERS FERTILIZER & MILLING COMPANY, a Georgia corporation of the County of Miller and State of Georgia, as party or parties of the first part, hereinafter called "Grantor", and BIRDSONG CORPORATION, a Virginia corporation, as party or parties of the second part, hereinafter called "Grantee" (the words "Grantor" and "Grantee" to include their respective heirs, personal representatives, successors and assigns where the context requires or permits).

WITNESSETH THAT: Grantor, for and in consideration of the sum of Ten Dollars ($10.00) and other valuable considerations in hand paid at and before the sealing and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents does grant, bargain, sell, alien, convey and confirm unto the said Grantee, the following described property:

> All that tract or parcel of land lying and being in the Twelfth and Thirteenth Land Districts of Miller County, Georgia, being more particularly described in Exhibit "A" attached hereto and made a part hereof.

TO HAVE AND TO HOLD the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging, or in anywise appertaining to the only proper use, benefit and behoof of the said Grantee forever in FEE SIMPLE.

This document continues on page 134

AND except for all matters of record as of the date hereof, all matters that would be disclosed by a current survey and the lien of real estates taxes not yet due and payable, the said Grantor will warrant and forever defend the right and title to the above described property unto the said Grantee against all acts of Grantor and the lawful claims of all persons claiming by, through or under Grantor.

IN WITNESS WHEREOF, the Grantor has caused this instrument to be executed by its duly authorized officers and its corporate seal hereunto affixed, the day and year above written.

FARMERS FERTILIZER & MILLING COMPANY

By: _____
President

Attest: _____
Secretary

(AFFIX CORPORATE SEAL HERE)

Signed, sealed and delivered
in the presence of:

_____
Unofficial Witness

_____
Notary Public
My Commission Expires: 4/7/03
(Affix Notary Seal Here)

G:\R-ESTATE\5jp\ii\2000\DEEDS\FFMMILLER.LWD

This instrument continues on page 135

Exhibit "A"

FFM MAIN SHELLING PLANT

All that tract or parcel of land lying and being in Land Lot 152 of the Thirteenth Land District and being more particularly described in that certain plat of survey entitled "Plat of FFM MAIN SHELLING PLANT", dated March 20, 2000 and prepared by G. L. Holman, Georgia Registered Land Surveyor No. 2033, as the same is recorded in Plat Cabinet "B", Slide 24-B, in the office of the Clerk of Superior Court of Miller County, Georgia.

FUDGE SHELLING PLANT

All that tract or parcel of land lying and being in Land Lot 209 of the Thirteenth Land District and being more particularly described in that certain plat of survey entitled "Plat of Fudge Shelling Plat", dated March 27, 2000 and prepared by G. L. Holman, Georgia Registered Land Surveyor No. 2033, as same is recorded in Plat Cabinet "B", Slide 24-C, in the office of the Clerk of Superior Court of Miller County, Georgia.

FUDGE DOWNTOWN

All that tract or parcel of land lying and being in the City of Colquitt, in Land Lot 169 of the Thirteenth Land District of Miller County, Georgia, and being more particularly described as follows:

Beginning at the intersection of the north margin line of Main Street (60 foot right of way) with the east margin line of Second Street (40 foot right of way), which point of beginning is marked by an iron pin set, run thence north 01 degree 23 minutes 08 seconds east along the east margin line of Second Street for a distance of 649.24 feet to the point of intersection of the east margin line of Second Street with the south margin line of Pine Street (50 foot right of way), which intersection is marked by an iron pin set; run thence south 89 degrees 22 minutes 57 seconds east along the south margin line of Pine Street for a distance of 210.44 feet to a point marked by an iron pin set; run thence south 01 degree 00 minutes 00 seconds west along the west side of the Bush House Lot for a distance of 188.2 feet to a point; continue thence south 01 degree 00 minutes 00 seconds west along the west side of the First Baptist Church Lot for a distance of 214.00 feet to a point marked by an iron pin set; continue thence south 01 degree 00 minutes 00 seconds west along the west side of the property of Fudge Gin Company, Inc. (1.96 acres) for a distance of 242.00 feet to a point on the north margin line of Main Street as evidenced by a mark on concrete; run thence south 89 degrees 17 minutes 08 seconds west along the north margin line of Main Street for a distance of 214.90 feet to the point of beginning. This property contains 3.16 acres and is more particularly described according to a plat of land surveyed for Fudge Gin Company, dated June 28, 1993, as prepared by Grady Lodge Holman, Georgia Registered Land Surveyor.

This instrument continues on page 136

COOKTOWN - TRACT 1

All that tract or parcel of land lying and being in Land Lot No. 332 in the 12th District of Miller County, Georgia, and being more particularly described as follows:

BEGINNING at a point where the west land lot line of said Land Lot No. 332 intersects the north right of way of State Highway No. 91 and from said beginning point run thence in a northerly direction along the west land lot line of said Land Lot No. 332 a distance of 581 feet to a point; run thence in an easterly direction and parallel with the north right of way line of said State Highway No. 91 for a distance of 450 feet to a point; run thence in a southerly direction and parallel to the west land lot line of said Land Lot No. 332 for a distance of 581 feet to a point on the north right of way of said State Highway No. 91; run thence in a westerly direction along the north right of way of said State Highway No. 91 for a distance of 450 feet to the point of beginning, consisting of six (6) acres, more or less.

COOKTOWN - TRACT 2

All that tract or parcel of land lying and being in Land Lot No. 357 in the 12th Land District of Miller County, Georgia, and being more particularly described as follows:

BEGINNING at a point where the east land lot line of said Land Lot No. 357 intersects the north right of way of State Highway No. 91 and run thence in a northerly direction along the east land lot line of said Land Lot No. 357 for a distance of 1626.2 feet to a point; run thence in a westerly direction and parallel to the north right of way of State Highway No. 91 for a distance of 216 feet to a point; run thence in a southerly direction and parallel to the east land lot line of said Land Lot No. 357 for a distance of 1626.2 feet to a point on the North right of way of Georgia State Highway No. 91; run thence in an easterly direction along the north right of way of Georgia State Highway No. 91 for a distance of 216 feet to the point of beginning, consisting of 8.87 acres, more or less.

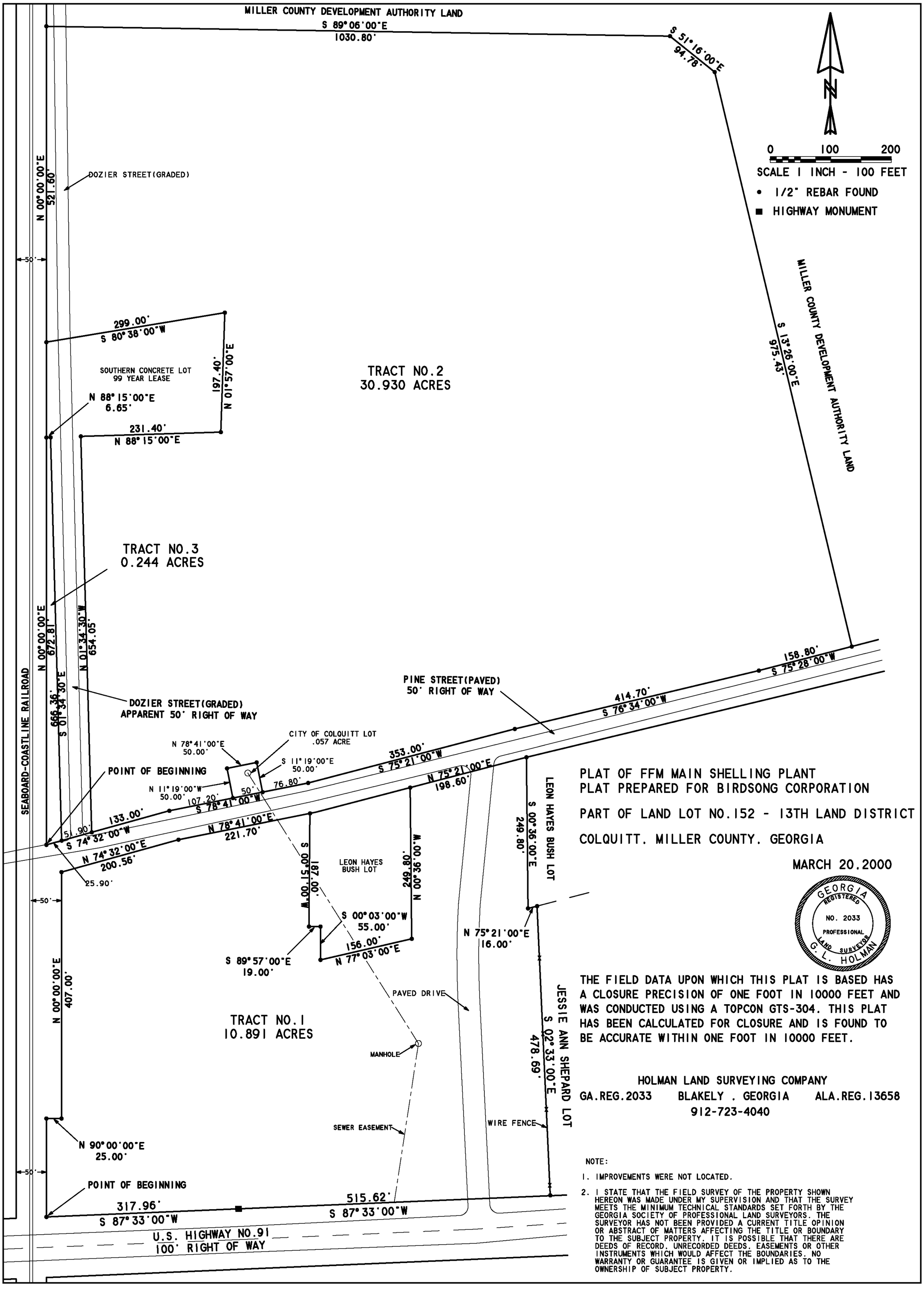
WACASER

All that tract or parcel of land lying and being in Land Lot 246 in the Twelfth Land District of Miller County, Georgia, and being more particularly described as follows: Commencing at the southeast corner of said Land Lot 246, said corner being the intersection of the centerline of Georgia Route 91 with the centerline of a county road, and from said point run thence north 1 degree west along the centerline of said county road for a distance of 297 feet to a point; run thence north 89 degrees west for a distance of 924 feet to the POINT OF BEGINNING of the tract conveyed herein; from said beginning point run thence north 1 degree west for a distance of 231 feet; run thence north 89 degrees west for a distance of 726 feet to a point; run thence south 1 degree east for a distance of 528 feet to the centerline of Georgia Highway 91; run thence south 89 degrees east along the centerline of Georgia Highway 91 for a distance of 726 feet to a point;

This instrument continues on page 137 Missing this page

APPENDIX C

TAX PLAT



PLAT OF FFM MAIN SHELLING PLANT
PLAT PREPARED FOR BIRDSONG CORPORATION

PART OF LAND LOT NO.152 - 13TH LAND DISTRICT

COLQUITT. MILLER COUNTY. GEORGIA

MARCH 20.2000

GEORGIA REGISTERED NO. 2033 PROFESSIONAL LAND SURVEYOR G. L. HOLMAN

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 10000 FEET AND WAS CONDUCTED USING A TOPCON GTS-304. THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 10000 FEET.

HOLMAN LAND SURVEYING COMPANY
GA.REG.2033 BLAKELY . GEORGIA ALA.REG.13658
912-723-4040

NOTE:

1. IMPROVEMENTS WERE NOT LOCATED.

2. I STATE THAT THE FIELD SURVEY OF THE PROPERTY SHOWN HEREON WAS MADE UNDER MY SUPERVISION AND THAT THE SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE GEORGIA SOCIETY OF PROFESSIONAL LAND SURVEYORS. THE SURVEYOR HAS NOT BEEN PROVIDED A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING THE TITLE OR BOUNDARY TO THE SUBJECT PROPERTY. IT IS POSSIBLE THAT THERE ARE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS OR OTHER INSTRUMENTS WHICH WOULD AFFECT THE BOUNDARIES. NO WARRANTY OR GUARANTEE IS GIVEN OR IMPLIED AS TO THE OWNERSHIP OF SUBJECT PROPERTY.

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APPENDIX D

2000 GEOSCIENCES SAMPLING REPORT

Geosciences Inc.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

October 31, 2000

Mr. Gary Rindner
General Counsel
E. D&F Man Inc.
Two World Financial Center
New York, NY 10281-2700

SUBJECT: Monitoring Well Installation and Sampling
FFM Main Facility
East Main Street
Colquitt, Georgia
Geosciences Project No: ALE-00-335A

Dear Mr. Ridner:

Geosciences, Inc. (Geosciences) has completed the installation of three groundwater monitoring wells at the FFM Main Facility in Colquitt, Georgia. This report includes documentation of well installation procedures, well construction details, and well development procedures. Information detailing the repair of two existing wells, soil and groundwater sampling procedures, laboratory analytical results, and two additional soil sample locations are also included.

Geosciences appreciates the opportunity to be of service to you. If you have any questions concerning this report, or if we can be of further assistance to you, please do not hesitate to call us at (912) 432-5805.

Sincerely,
GEOSCIENCES, INC.

Alison L. Long
Staff Geologist

Michael E. McNeal, P.E.
GA Reg. #13133

ALL/MEM/md

3202 Gillionville Road / Albany, GA 31707-2815 / (229) 432-5805 / Fax 432-7018 / albany@geosciencesinc.com
1309-A Edgewood Drive / Valdosta, GA 31601-4368 / (229) 244-8619 / Fax 245-8170 / valdosta@geosciencesinc.com

MONITORING WELL INSTALLATION AND SAMPLING
FFM MAIN FACILITY
EAST MAIN STREET
COLQUITT, GEORGIA; MILLER COUNTY
GEOSCIENCES PROJECT NO: ALE-00-335A

Prepared for:

MR. GARY RINDNER
GENERAL COUNSEL
E. D&F MAN, INC.
TWO WORLD FINANCIAL CENTER
NEW YORK, NEW YORK 10281-2700

Prepared by:

GEOSCIENCES, INC.
3202 GILLIONVILLE ROAD
ALBANY, GEORGIA 31707
(229) 432-5805

OCTOBER 31, 2000

Alison L. Long
Alison L. Long
Staff Geologist

Michael E. McNeal
Michael E. McNeal, P.E.
GA Reg. No. 13133

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Laboratory Analytical Reports

1.0 INTRODUCTION

Geosciences, Inc. (Geosciences) was retained by Mr. Gary Rindner for Farmers Fertilizer and Milling, Inc. to install and sample three groundwater monitoring wells and sample soil in three other locations recommended in Geosciences' Report of Phase I Environmental Site Assessment dated October 13, 1999.

This report includes documentation of well installation procedures, well construction details, and well development procedures. Information detailing the repair of two existing wells, soil and groundwater sampling procedures, laboratory analytical results, and two additional soil sample locations are also included.

2.0 REPAIR OF EXISTING WELLS

An existing well, located directly south of the peanut cleaning building in the driveway east of the shelling plant, had no manhole cover protecting it. In addition, the skirt of the vault had been damaged and the pipe appeared to have been broken off above the ground surface resulting in a poor seal with the expansion plug. Remnants of the old vault skirt were removed and the pipe was extended several inches using a PVC coupler and riser. Grout placed inside the new vault sealed the coupler and riser joint. Glue was not used. A locked expansion plug was placed on the pipe and a new eight-inch diameter vault was installed in concrete to protect the well.

Another well, located north of the shelling plant, was in a poorly drained paved area. During Geosciences site visit, there was standing water in this area near the well. The vault of the well was not properly sealed and was not secure in the asphalt, allowing runoff to enter the vault.

Geosciences was told that this area will be repaved in the future, and that there was a need to elevate the pad on this well above grade. Geosciences removed the vault and the asphalt in a two-foot square area around the well and poured a concrete pad that is elevated above grade approximately three inches. A new vault was placed in the concrete pad.

3.0 GROUNDWATER MONITORING WELL INSTALLATION

Three permanent monitoring wells were installed between August 28 and August 31, 2000 in the FFM Main Facility located north of East Main Street in Colquitt, Georgia. This installation included the drilling of one well near the northwest corner of the UAP Chemical Storage Building (MW-5), one well in the driveway north of the UAP Office building (MW-6), and one well near the northwest corner of the UAP Fertilizer Storage Building (MW-4).

The monitoring wells were installed by Watson Drilling Service (Watson) under the on-site supervision of Geosciences personnel, working under the direction of Stephen S. Syfrett, P.G. Watson is bonded with GA EPD Department of Natural Resources (Bond No. MB002003137). The wells were drilled with a 4.25-inch inside diameter hollow stem auger, which produced a borehole of approximately 8.25 inches in diameter. Well installation was performed in general accordance with EPD's Manual for Groundwater Monitoring (May 1987).

Basic soil lithology was determined from split spoon samples obtained at five-foot intervals during the drilling operations. Descriptive boring logs and monitoring well installation data sheets are included in Appendix II. Table 1 in Appendix I summarizes groundwater monitoring well data and water depths.

4.0 WELL MATERIALS

4.1 Casings and Screens

Schedule 40 ASTM F 480 riser (ASTM NSF-rated) with an inside diameter of two inches was used in constructing all of the wells. Schedule 40 ASTM F 480 PVC screen (ASTM-NSF-rated) with 0.01-inch machine-cut slots was used above the endpoint in the wells. Ten feet of screen was used in the construction of MW-4 and five feet was used in the construction of MW-5 and MW-6.

4.2 Filter Pack

A filter pack of sized, cleaned, quartz sand (10-30) was placed to a height of approximately two feet above the well screen. The 10-30 sand was obtained from Southern Concrete Construction Company in Albany, Georgia in 100-pound bags. The sand was allowed to free-fall down the open borehole. The level of sand was constantly monitored with a tape measure during installation until it reached a height of approximately two feet above the well screen. During the installation of the deeper wells (MW-5 and MW-6) there was a large amount of water with suspended sediment in the borehole. To ensure the sand did not bridge between the augers and the pipe and that the sand settled properly around the screen at the bottom of the well, the sand was allowed settling time during sand pack placement.

4.3 Sealant

Upon completion of the filter pack, a bentonite seal was placed on top of the filter material. A five-gallon bucket of 3/8" bentonite pellets, marketed by Boart Longyear Company, was allowed to free-fall down the borehole of each well, creating a seal. When necessary, the pellets were hydrated with potable water.

The annular space above the bentonite seal to approximately 12 inches below the ground surface was grouted with portland cement containing three to five percent bentonite powder. The slurry was mixed on site by Watson and placed by a tremie hose.

5.0 WELL PROTECTION

Each well was completed with tamper-resistant locked expansion plugs and flush-mounted eight-inch diameter manhole covers with vaults. A two-foot square concrete pad was poured around each well.

6.0 WELL DEVELOPMENT

Well development was performed by Geosciences personnel on September 5, 2000 by withdrawing sufficient volumes of water from the well using a new, disposable, high-density polyethylene (HDPE) bailer to restore the natural conductivity of the water-bearing formation. The appropriate volume of groundwater to be removed from each well was determined by calculations using casing size, total well depth, and depth to water. Five well volumes is the standard purge amount for well development purposes. In some cases, it is necessary to purge more to remove sediment buildup in the well. Geosciences withdrew between 10 and 22 well volumes from each of the three wells during development. Samples were collected from the wells immediately following development procedures.

7.0 SOIL SAMPLING PROCEDURES

Soil samples were collected during drilling operations every five feet in depth using a split spoon sampler. Disposable latex gloves were worn and changed appropriately to avoid cross-contamination during the sampling activities. The samples were classified and color was described using the Munsell Color Chart. The samples were then labeled, bagged, and placed in an iced cooler for preservation.

Of these samples four were selected to be sent to the laboratory and analyzed. The soil was removed from the bag and placed into laboratory-provided sample containers. Two four-ounce jars (unpreserved) were filled manually and two forty-milliliter vials (containing preservative) were filled using a laboratory-provided disposable syringe for each sample. The samples were then placed into an iced cooler for preservation and shipment by overnight courier to Advanced Chemistry Labs, Inc. in Atlanta, Georgia for analysis. The samples were handled following standard chain-of-custody protocol.

8.0 GROUNDWATER SAMPLING PROCEDURES

Prior to sampling each groundwater monitoring well, the depth to water was measured using an electric water level indicator, and each well was purged with a HDPE disposable bailer to ensure a representative sample was obtained.

Sampling and field measurement equipment was properly decontaminated prior to placement in each well. A new HDPE disposable bailer and new string were used at each groundwater well when sampling. Disposable latex sampling gloves were worn and changed appropriately to avoid cross contamination of samples and sampling equipment.

Volatile Organic Compound (VOC), herbicide, pesticide, and nitrate-nitrogen samples were collected immediately after the purging took place in each well using a HDPE disposable bailer. In addition, arsenic and Polynuclear Aromatic Hydrocarbon (PAH) samples were collected from wells MW-5 and MW-6.

The samples were poured into laboratory-provided sample containers, sealed and placed into an iced cooler for preservation and shipment by overnight courier to Advanced Chemistry Labs, Inc. in Atlanta, Georgia for analysis.

9.0 LABORATORY TEST RESULTS

9.1 Soil Analytical Results

Soil samples from the three wells (MW-4, MW-5, and MW-6) and two shallow soil samples collected by hand auger were shipped by overnight courier to Advanced Chemistry Labs, Inc. in Atlanta for analysis. The samples were to arrive at the lab the following morning to be preserved for analysis. Due to a miscommunication with laboratory personnel, Geosciences mistakenly thought that the samples would be received and preserved on Saturday, September 2nd, even though this was a holiday weekend (Labor Day). However, this was not the case and the samples were not documented as being received by the laboratory until Tuesday, September 5th. The cooler temperature was documented on the chain-of-custody as being within the acceptable range, but the laboratory called to confirm the late acceptance of the cooler and to discuss whether or not to run analyses on the samples since they were not iced upon arrival and left unattended. Geosciences opted to have the analyses performed, since it would not be possible to recollect soil samples that were taken during well installation.

Laboratory analytical results indicated nitrates were present in the soil samples in concentrations ranging from 14.8 mg/kg to 130 mg/kg. Carbon disulfide was found in the 18.5' to 20.0' sample taken during installation of MW-5 at a concentration of 0.008 mg/kg. Geosciences suspects this constituent to be an artifact of the powdered, disposable latex gloves worn during sampling rather than soil contamination, as it has since been confirmed that the brand of gloves used does contain carbon disulfide. Table 2 in Appendix I summarizes the laboratory analytical results for the soil samples.

9.2 Groundwater Analytical Results

Groundwater samples collected on September 5, 2000 were shipped via UPS to Advanced Chemistry Labs, Inc. in Atlanta. The lab received the samples the following day (September 6, 2000).Samples from MW-5 and MW-6 were analyzed for volatile organic compounds (VOCs), organochlorine pesticides, chlorinated herbicides, nitrate-nitrogen, total arsenic, and Polynuclear Aromatic Hydrocarbons (PAHs). The sample from MW-4 was analyzed for the same set of constituents excluding total arsenic and PAHs. Tetrachloroethene was detected above the MCL (5 ug/L) in the groundwater sample from MW-6 (28 ug/l). Nitrate was also detected above the 10 mg/L MCL in all three of the wells. Well MW-4 had the highest concentration reported at 78.0 mg/l. Table 3 in Appendix I summarizes the laboratory analytical results for the groundwater samples.

10.0 HAND AUGER SOIL SAMPLING

Geosciences collected hand auger samples in two of three designated locations at the facility. A sample could not be collected in the proposed location near the maintenance shed due to difficulty in hand augering through gravel placed in the vicinity of the driveway.

A soil sample was collected from 1.5 - 2' below ground surface near the evaporation area and analyzed for VOCs. No VOCs were detected in the sample.

Another soil sample was taken near the southern door of the welding shop. This sample was analyzed for VOCs and RCRA metals. Barium, chromium, and lead were present in concentrations of 19.7 mg/kg, 30.0 mg/kg, and 11.8 mg/kg, respectively. However, none of these constituents exceeded their established regulatory limits under HSRA (Appendix I).

11.0 CONCLUSIONS

Geosciences has completed the installation and sampling of three monitoring wells at the FFM Main Facility in Colquitt, Georgia. Nitrate-nitrogen levels in soil have been established from soil samples taken during well installation. Concentrations detected varied between 14.8 mg/kg in MW-4 to 130 mg/kg in MW-6. Groundwater samples from the wells indicated nitrate-nitrogen was present above the 10 mg/L MCL in all wells. The highest nitrate-nitrogen concentration detected was 78.0 mg/L in well MW-4. When detected in groundwater, this constituent is regulated under the Hazardous Site Response Act Notification Requirement (HSRA NC) (Chapter 391-3-19-.04(3)(b)).

Two other constituents were detected that are regulated under HSRA. Tetrachloroethene, also known as perchloroethylene, or PCE, was detected in the groundwater sample from MW-6 at a concentration (28 ug/L) above the MCL of 5 ug/L. The tetrachloroethene and nitrate-nitrogen concentrations detected in groundwater that exceed the "naturally-occurring" background concentrations are required to be reported to EPD under the Hazardous Site Response Act Notification Requirement (HSRA NC) (Chapter 391-3-19-.04(3)(b)). Geosciences recommends collecting a confirmation sample from this well to verify the presence of this contaminant.

Carbon Disulfide was detected in the 18.5-20 foot soil sample from well MW-5. The established Notification Concentration (NC) for this constituent is listed as being "the detection limit (as defined in this chapter) because the substance is elsewhere classified as an acute hazardous waste." The laboratory detection limit for carbon disulfide was 0.005 mg/kg, and a concentration of 0.008 mg/kg was detected in the sample. As previously discussed, we do not believe this data represents confirmed contamination.

Minor concentrations of metals were detected in the 1.5 to 2 foot soil sample collected near the door on the south end of the welding shop. Barium, chromium, and lead were detected in concentrations (19.7 mg/kg, 30.0 mg/kg, and 11.8 mg/kg, respectively) below HSRA notification concentrations.

FFM Main Facility
Colquitt, Georgia; Miller County
Geosciences Project No: ALE-00-335A

TABLE 1
Summary of Well Installation and Groundwater Depth Data

Well No.	Date Installed	Well Depth (ft)	Depth to Top of Bentonite Seal (ft)	Depth to Top of Sand Pack (ft)	Depth to Top of Screen (ft)	Length of Screen (ft)	Depth to Water September 5, 2000 (ft)
MW-4	8/28/00	17.5	4.1	5.9	7.5	10.0	9.58
MW-5	8/29/00	45.0	34.7	37.5	40.0	5.0	29.80
MW-6	8/30/00	55.0	45.1	47.3	50.0	5.0	28.46

TABLE 2
Summary of Soil Analytical Data

Well I.D.	Volatile Organics	Organo-chlorine Pesticides (mg/kg)	Chlorinated Herbicides (mg/kg)	Nitrate-Nitrogen (mg/kg)	Total Arsenic (mg/kg)	RCRA Total Metals (mg/kg)		
	Carbon Disulfide (mg/kg)					Barium	Chromium	Lead
MW-4 (8.5-10')	BDL	BDL	BDL	14.8	NA	NA	NA	NA
MW-5 (3.5-5')	BDL	BDL	BDL	125	BDL	NA	NA	NA
MW-5 (18.5-20')	0.008	BDL	BDL	72.1	BDL	NA	NA	NA
MW-6 (18.5-20')	BDL	BDL	BDL	130	BDL	NA	NA	NA
Welding Shop (1.5-2')	BDL	NA	NA	NA	NA	19.7	30.0	11.8
Evaporation Area (1.5-2')	BDL	NA	NA	NA	NA	NA	NA	NA
Lab Detection Limit	0.005	.005-0.10	.005-1.0	5.0-20.0	5.0	10.0	5.0	5.0
HSRA NC	0.005	Varies with Pesticide	Varies with Herbicide	NE	41.0	500	1200	300

TABLE 3
Summary of Groundwater Analytical Data

Well I.D.	Volatile Organics	Organochlorine Pesticides (ug/L)	Chlorinated Herbicides (ug/L)	Nitrate-Nitrogen (mg/L)	Total Arsenic (mg/L)	PAHs (ug/L
	Tetrachloroethene* (ug/L)					
MW-4	BDL	BDL	BDL	78.0	NA	NA
MW-5	BDL	BDL	BDL	20.9	BDL	BDL
MW-6	28	BDL	BDL	58.6	BDL	BDL
Lab Detection Limit	5	Varies with Pesticide	Varies with Herbicide	1.0-5.0	0.03	10
MCL	5	Varies with Pesticide	Varies with Herbicide	10	0.05	Varies with Constituent

NA = Not Analyzed
HSRA NC = Notification Requirements under Hazardous Site Response Act (Appendix I)
NE = Not Established
BDL = Below Lab Detection Limit
MCL = Maximum Contaminant Level
* Tetrachloroethene = Perchloroethylene or PCE

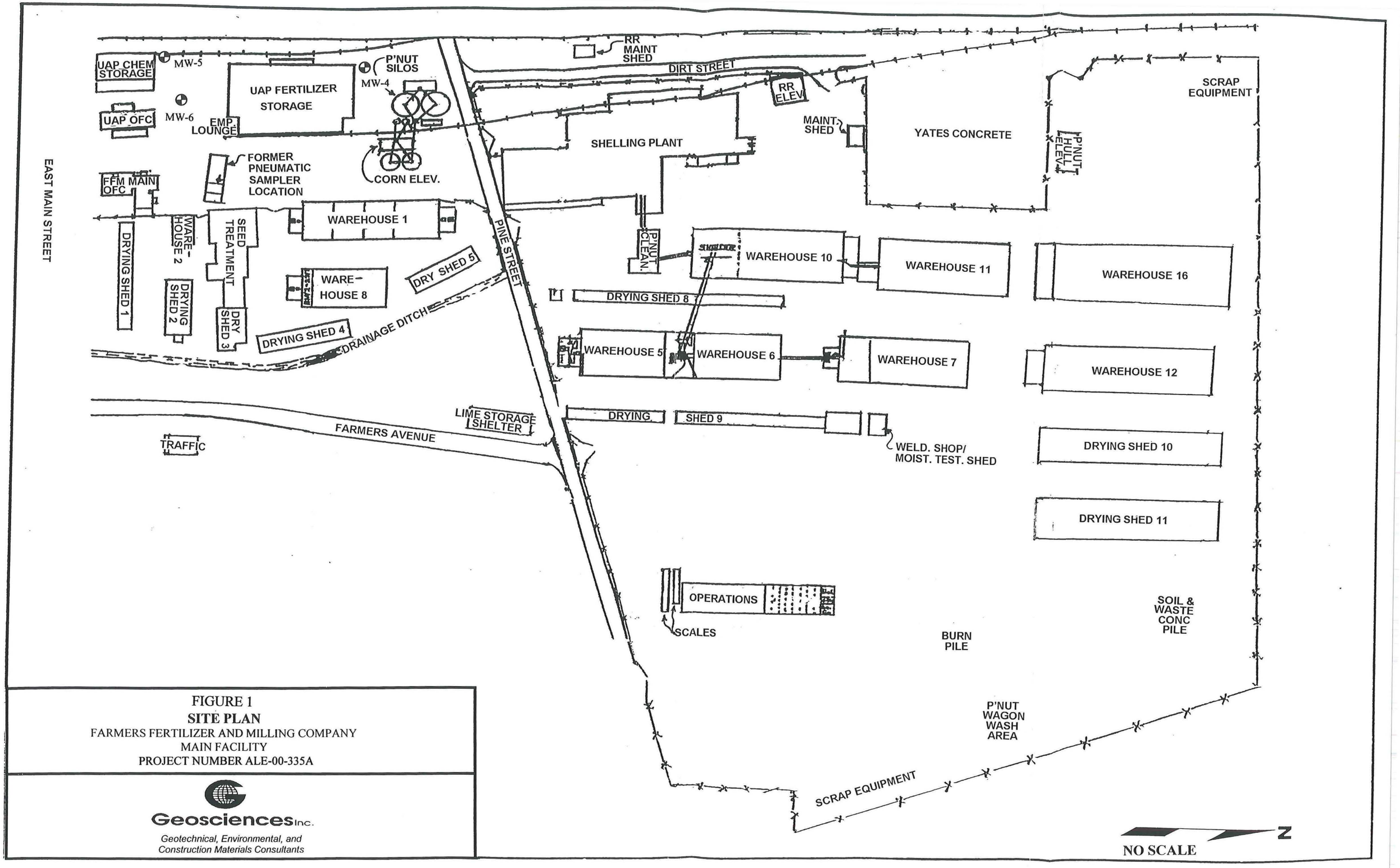

FIGURE 1
SITE PLAN
FARMERS FERTILIZER AND MILLING COMPANY
MAIN FACILITY
PROJECT NUMBER ALE-00-335A

Geosciences Inc.
Geotechnical, Environmental, and Construction Materials Consultants

Groundwater Monitoring Well Installation Data
FFM Main Facility
Colquitt, Georgia; Miller County
Geosciences Job No: ALE-00-335A

Name of Drillers:	Watson Drilling
Bond Number:	MB002003137
Drill Rig:	CME-55
DATE OF CONSTRUCTION:	August 28-31, 2000
DRILLING METHOD:	Hollow Stem Auger; no drilling fluid
WELL LOCATIONS:	MW-4 -Near NW corner of UAP fertilizer storage building MW-5 -Near NW corner of UAP chemical storage building MW-6 -North of UAP office building
BOREHOLE DIAMETER:	8.25 inches
WELL CASING DIAMETER:	2 inches
WELL DEPTH:	See Subsurface Drill Logs
DRILLING/LITHOLOGIC LOGS:	See Subsurface Drill Logs
CASING MATERIALS:	2" Schedule 40 PVC, NSF ASTM Rated
SCREEN MATERIALS:	2" Schedule 40 PVC/Machine slotted 0.01" screen; NSF ASTM Rated
CASING/SCREEN JOINT TYPE:	Flush-threaded, o-ring sealed
FILTER PACK MATERIAL/SIZE:	10-30 gradation silica sand
FILTER PACK PLACEMENT:	Free fall through augers, monitored with tag line
SEALANT MATERIAL:	3/8" bentonite pellets
SEALANT PLACEMENT:	Free fall through augers, monitored with tag line
GROUT MATERIAL:	Portland Cement
GROUT PLACEMENT:	Free fall Method

Groundwater Monitoring Well Installation Data
FFM Main Facility
Colquitt, Georgia; Miller County
Geosciences Job No: ALE-00-335A

SURFACE SEAL DESIGN:	2' diameter square pad
WELL DEVELOPMENT PROCEDURES:	Withdrawal of water by HDPE bailer
GROUND SURFACE ELEVATIONS:	Not determined
TOP OF PVC ELEVATIONS:	Not determined
DETAILED DRAWING OF WELLS:	See Subsurface Drill Logs

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

BORING NO: MW-4
DATE: 8/28/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Topsoil and grass						Flush mount 8" diameter manhole cover and vault. 8.5 feet of 2" diameter PVC riser Borehole annular space grouted with portland cement/3-5% bentonite powder slurry 3/8" bentonite pellets at 4.1' bls 10/30 sand at 5.9' bls 10 feet of 2" diameter 0.01"machine-slotted PVC screen (at 7.5' bls) Well set at 17.5' bls
	White to 10YR 6/8 brownish-yellow, fine-grained sand and silt			27			
8	5Y 7/1 light gray, dry, fine-grained, consolidated sand and silt			67			
	2.5Y 4/1 dark gray sand and silt in top 5"			50/4			
16	White, weathered limestone in bottom 3"						
	Same strata as above			15			
24	Same as above strata in top 4"			17			
	10YR 5/8 yellowish-brown and light gray mottled clay						
	Boring Terminated at 25 feet.						
	GW Enc. at 9.58 feet 24 hours after drilling						
32							
40							
48							
56							

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

BORING NO: MW-5
DATE: 8/29/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Topsoil and grass						Flush mount 8" diameter manhole cover and vault
	10R 6/8 brownish-yellow, light gray, and 2.5YR 4/4 reddish-brown, mottled, very stiff, sandy clay			23			Borehole annular space grouted with portland cement/3-5% bentonite powder slurry
8	Same strata as above except contains more light gray, very stiff			30			
16	Dry, same strata as above; 5Y 8/1 white mottles dominant			29			40' of 2" diameter PVC riser
	Same as above mottled, tricolor clay			27			
24	Same as above strata, moist			27			
32	Same strata as above, predominantly reddish-brown and brownish-yellow mottles with little white			21			
	10YR 5/8 yellowish-brown clay; bottom 2" contains dark yellowish-brown 10YR 4/4 clasts			29			3/8" bentonite pellets at 34.7' bls 10/30 sand at 37.5' bls
40	Same clast-containing clay as above; moist			15			
	Same strata as above in top 4"; saturated			40			5' of 2" diameter 0.01" machine-slotted PVC screen (to 40' bls) Well set at 45' bls
	Friable, white limestone and clay in bottom 14"						
48	Boring Terminated at 45 feet.						
	GW Enc. at 29.80 feet 24 hours after drilling						
56							

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

BORING NO: MW-6
DATE: 8/29/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Asphalt						Flush mount 8" diameter manhole cover and vault Borehole annular space grouted with portland cement/3-5% bentonite powder slurry
	Very stiff, 7.5YR 5/8 strong brown sandy clay			9			
	Same as above clay except lighter in color 10YR 7/4 very pale brown			14			
8	Dry, light gray and 10YR 6/8 brownish-yellow mottled, sandy clay			14			
16	Very stiff, same as above sandy clay, prdominantly light gray			18			50' of 2" diameter PVC riser
	Moist, same strata as above			15			
24	Top same as above strata; bottom 7" has more sand and water content and is 7.5YR 7/8 reddish-yellow in color			15			
	Moist, 10YR 5/6 to 5/8 yellowish-brown sandy clay			13			
32	Moist, same as above in top 6"			9			
	Bottom 12" Very Stiff, 10YR 8/6 yellow, light gray, and 10R 6/3 pale red, mottled, fine-grained clay						
40	Same strata as above			10			
	Same strata as above becoming darker and more uniform in color. 10YR 5/6 yellowish-brown in bottom 7" of spoon.			4			3/8" bentonite pellets at 45.1' bls
48	Same strata as above in top 10"; sandy clay containing clasts in bottom 3"			WOR			10/30 sand at 47.3' bls 5' of 2" diameter 0.01" machine-slotted PVC screen (at 50' bls)
	Same clay containing clasts n top 4" of sample			19			
56	Friable, white limestone in bottom 5" of sample						Well set at 55' bls
	Boring Terminated at 55 feet.						
	GW Enc. at 28.46 feet 24 hours after drilling						

KEY TO SYMBOLS

Symbol	Description
Strata Symbols	
	Silty Sand
	Limestone (or generic rock)
	Low Plasticity Clay
Misc. Symbols	
	Water Table at Boring Completion
Soil Samplers	
	Standard penetration test
Monitor Well Details	
	Recessed Cover Set in Concrete
	Concrete Seal
	Bentonite Pellets
	Silica Sand, Blank PVC
	Slotted Pipe w/ Sand
	Silica Sand, No Pipe (End Plug)

Notes:

1. These logs are subject to the limitations, conclusions, and recommendations in this report.

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VOLATILE ORGANICS - SW-846, METHOD 5030B / 8260B

Client:	Geosciences, Inc.	Sample ID:	335/MW-4
	3202 Gillionville Road	ACL Sample No:	159025
	Albany GA 31707	ACL Project No:	33326
		Date Sampled:	09-05-00
Contact:	Ms. Alison Long	Date Extracted:	- - - -
Project No:	ALE-00-335A/VAP Southeast	Date Analyzed:	09-09-00
Date Received:	09-06-00	Matrix:	Water
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (µg/liter)	Detection Limit
67-64-1	Acetone	BDL	100
107-02-8	Acrolein	BDL	50
107-13-1	Acrylonitrile	BDL	50
71-43-2	Benzene	BDL	5
108-86-1	Bromobenzene	BDL	5
74-97-5	Bromochloromethane	BDL	5
75-27-4	Bromodichloromethane	BDL	5
75-25-2	Bromoform	BDL	5
74-83-9	Bromomethane	BDL	10
78-93-3	2-Butanone (MEK)	BDL	100
104-51-8	n-Butylbenzene	BDL	5
135-98-8	sec-Butylbenzene	BDL	5
98-06-6	tert-Butylbenzene	BDL	5
75-15-0	Carbon disulfide	BDL	5
56-23-5	Carbon tetrachloride	BDL	5
108-90-7	Chlorobenzene	BDL	5
75-00-3	Chloroethane	BDL	10
67-66-3	Chloroform	BDL	5
74-87-3	Chloromethane	BDL	10
95-49-8	2-Chlorotoluene	BDL	5
106-43-4	4-Chlorotoluene	BDL	5
110-75-8	2-Chloroethyl vinyl ether	BDL	10
124-48-1	Dibromochloromethane	BDL	5
96-12-8	1,2-Dibromo-3-chloropropane	BDL	5
106-93-4	1,2-Dibromoethane	BDL	5
74-95-3	Dibromomethane	BDL	5
95-50-1	1,2-Dichlorobenzene	BDL	5
541-73-1	1,3-Dichlorobenzene	BDL	5
106-46-7	1,4-Dichlorobenzene	BDL	5
75-71-8	Dichlorodifluoromethane	BDL	10
75-34-3	1,1-Dichloroethane	BDL	5
107-06-2	1,2-Dichloroethane	BDL	5
75-35-4	1,1-Dichloroethene	BDL	5
156-59-2	cis-1,2-Dichloroethene	BDL	5
156-60-5	trans-1,2-Dichloroethene	BDL	5
78-87-5	1,2-Dichloropropane	BDL	5

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

John Andros, Lab Manager

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5030B / 8260B

Client:	Geosciences, Inc.	Sample ID:	335/MW-4
	3202 Gillionville Road	ACL Sample No:	159025
	Albany GA 31707	ACL Project No:	33326
		Date Sampled:	09-05-00
Contact:	Ms. Alison Long	Date Extracted:	- - - -
Project No:	ALE-00-335A/VAP Southeast	Date Analyzed:	09-09-00
Date Received:	09-06-00	Matrix:	Water
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (µg/liter)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	5
594-20-7	2,2-Dichloropropane	BDL	5
563-58-6	1,1-Dichloropropene	BDL	5
10061-01-5	cis-1,3-Dichloropropene	BDL	5
10061-02-6	trans-1,3-Dichloropropene	BDL	5
100-41-4	Ethylbenzene	BDL	5
87-68-3	Hexachlorobutadiene	BDL	5
591-78-6	2-Hexanone	BDL	50
98-82-8	Isopropylbenzene	BDL	5
99-87-6	p-Isopropyltoluene	BDL	5
75-09-2	Methylene chloride	BDL	5
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	50
91-20-3	Naphthalene	BDL	5
103-65-1	n-Propylbenzene	BDL	5
100-42-5	Styrene	BDL	5
630-20-6	1,1,1,2-Tetrachloroethane	BDL	5
79-34-5	1,1,2,2-Tetrachloroethane	BDL	5
127-18-4	Tetrachloroethene	BDL	5
108-88-3	Toluene	BDL	5
87-61-6	1,2,3-Trichlorobenzene	BDL	5
120-82-1	1,2,4-Trichlorobenzene	BDL	5
71-55-6	1,1,1-Trichloroethane	BDL	5
79-00-5	1,1,2-Trichloroethane	BDL	5
79-01-6	Trichloroethene	BDL	5
75-69-4	Trichlorofluoromethane	BDL	5
96-18-4	1,2,3-Trichloropropane	BDL	5
95-63-6	1,2,4-Trimethylbenzene	BDL	5
108-67-8	1,3,5-Trimethylbenzene	BDL	5
108-05-4	Vinyl acetate	BDL	50
75-01-4	Vinyl chloride	BDL	2
95-47-6	o-Xylene	BDL	5
108-38-3/106-42-3	m&p-Xylenes	BDL	10

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5030B / 8260B

Client:	Geosciences, Inc.	Sample ID:	335/MW-5
	3202 Gillionville Road	ACL Sample No:	159026
	Albany GA 31707	ACL Project No:	33326
		Date Sampled:	09-05-00
Contact:	Ms. Alison Long	Date Extracted:	- - - -
Project No:	ALE-00-335A/VAP Southeast	Date Analyzed:	09-09-00
Date Received:	09-06-00	Matrix:	Water
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (µg/liter)	Detection Limit
67-64-1	Acetone	BDL	100
107-02-8	Acrolein	BDL	50
107-13-1	Acrylonitrile	BDL	50
71-43-2	Benzene	BDL	5
108-86-1	Bromobenzene	BDL	5
74-97-5	Bromochloromethane	BDL	5
75-27-4	Bromodichloromethane	BDL	5
75-25-2	Bromoform	BDL	5
74-83-9	Bromomethane	BDL	10
78-93-3	2-Butanone (MEK)	BDL	100
104-51-8	n-Butylbenzene	BDL	5
135-98-8	sec-Butylbenzene	BDL	5
98-06-6	tert-Butylbenzene	BDL	5
75-15-0	Carbon disulfide	BDL	5
56-23-5	Carbon tetrachloride	BDL	5
108-90-7	Chlorobenzene	BDL	5
75-00-3	Chloroethane	BDL	10
67-66-3	Chloroform	BDL	5
74-87-3	Chloromethane	BDL	10
95-49-8	2-Chlorotoluene	BDL	5
106-43-4	4-Chlorotoluene	BDL	5
110-75-8	2-Chloroethyl vinyl ether	BDL	10
124-48-1	Dibromochloromethane	BDL	5
96-12-8	1,2-Dibromo-3-chloropropane	BDL	5
106-93-4	1,2-Dibromoethane	BDL	5
74-95-3	Dibromomethane	BDL	5
95-50-1	1,2-Dichlorobenzene	BDL	5
541-73-1	1,3-Dichlorobenzene	BDL	5
106-46-7	1,4-Dichlorobenzene	BDL	5
75-71-8	Dichlorodifluoromethane	BDL	10
75-34-3	1,1-Dichloroethane	BDL	5
107-06-2	1,2-Dichloroethane	BDL	5
75-35-4	1,1-Dichloroethene	BDL	5
156-59-2	cis-1,2-Dichloroethene	BDL	5
156-60-5	trans-1,2-Dichloroethene	BDL	5
78-87-5	1,2-Dichloropropane	BDL	5

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5030B / 8260B

Client:	Geosciences, Inc.	Sample ID:	335/MW-5
	3202 Gillionville Road	ACL Sample No:	159026
	Albany GA 31707	ACL Project No:	33326
		Date Sampled:	09-05-00
Contact:	Ms. Alison Long	Date Extracted:	- - - -
Project No:	ALE-00-335A/VAP Southeast	Date Analyzed:	09-09-00
Date Received:	09-06-00	Matrix:	Water
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (µg/liter)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	5
594-20-7	2,2-Dichloropropane	BDL	5
563-58-6	1,1-Dichloropropene	BDL	5
10061-01-5	cis-1,3-Dichloropropene	BDL	5
10061-02-6	trans-1,3-Dichloropropene	BDL	5
100-41-4	Ethylbenzene	BDL	5
87-68-3	Hexachlorobutadiene	BDL	5
591-78-6	2-Hexanone	BDL	50
98-82-8	Isopropylbenzene	BDL	5
99-87-6	p-Isopropyltoluene	BDL	5
75-09-2	Methylene chloride	BDL	5
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	50
91-20-3	Naphthalene	BDL	5
103-65-1	n-Propylbenzene	BDL	5
100-42-5	Styrene	BDL	5
630-20-6	1,1,1,2-Tetrachloroethane	BDL	5
79-34-5	1,1,2,2-Tetrachloroethane	BDL	5
127-18-4	Tetrachloroethene	BDL	5
108-88-3	Toluene	BDL	5
87-61-6	1,2,3-Trichlorobenzene	BDL	5
120-82-1	1,2,4-Trichlorobenzene	BDL	5
71-55-6	1,1,1-Trichloroethane	BDL	5
79-00-5	1,1,2-Trichloroethane	BDL	5
79-01-6	Trichloroethene	BDL	5
75-69-4	Trichlorofluoromethane	BDL	5
96-18-4	1,2,3-Trichloropropane	BDL	5
95-63-6	1,2,4-Trimethylbenzene	BDL	5
108-67-8	1,3,5-Trimethylbenzene	BDL	5
108-05-4	Vinyl acetate	BDL	50
75-01-4	Vinyl chloride	BDL	2
95-47-6	o-Xylene	BDL	5
108-38-3/106-42-3	m&p-Xylenes	BDL	10

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5030B / 8260B

Client:	Geosciences, Inc.	Sample ID:	335/MW-6
	3202 Gillionville Road	ACL Sample No:	159027
	Albany GA 31707	ACL Project No:	33326
		Date Sampled:	09-05-00
Contact:	Ms. Alison Long	Date Extracted:	- - - -
Project No:	ALE-00-335A/VAP Southeast	Date Analyzed:	09-09-00
Date Received:	09-06-00	Matrix:	Water
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (µg/liter)	Detection Limit
67-64-1	Acetone	BDL	100
107-02-8	Acrolein	BDL	50
107-13-1	Acrylonitrile	BDL	50
71-43-2	Benzene	BDL	5
108-86-1	Bromobenzene	BDL	5
74-97-5	Bromochloromethane	BDL	5
75-27-4	Bromodichloromethane	BDL	5
75-25-2	Bromoform	BDL	5
74-83-9	Bromomethane	BDL	10
78-93-3	2-Butanone (MEK)	BDL	100
104-51-8	n-Butylbenzene	BDL	5
135-98-8	sec-Butylbenzene	BDL	5
98-06-6	tert-Butylbenzene	BDL	5
75-15-0	Carbon disulfide	BDL	5
56-23-5	Carbon tetrachloride	BDL	5
108-90-7	Chlorobenzene	BDL	5
75-00-3	Chloroethane	BDL	10
67-66-3	Chloroform	BDL	5
74-87-3	Chloromethane	BDL	10
95-49-8	2-Chlorotoluene	BDL	5
106-43-4	4-Chlorotoluene	BDL	5
110-75-8	2-Chloroethyl vinyl ether	BDL	10
124-48-1	Dibromochloromethane	BDL	5
96-12-8	1,2-Dibromo-3-chloropropane	BDL	5
106-93-4	1,2-Dibromoethane	BDL	5
74-95-3	Dibromomethane	BDL	5
95-50-1	1,2-Dichlorobenzene	BDL	5
541-73-1	1,3-Dichlorobenzene	BDL	5
106-46-7	1,4-Dichlorobenzene	BDL	5
75-71-8	Dichlorodifluoromethane	BDL	10
75-34-3	1,1-Dichloroethane	BDL	5
107-06-2	1,2-Dichloroethane	BDL	5
75-35-4	1,1-Dichloroethene	BDL	5
156-59-2	cis-1,2-Dichloroethene	BDL	5
156-60-5	trans-1,2-Dichloroethene	BDL	5
78-87-5	1,2-Dichloropropane	BDL	5

BDL = Below Detection Limit
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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5030B / 8260B

Client:	Geosciences, Inc.	Sample ID:	335/MW-6
	3202 Gillionville Road	ACL Sample No:	159027
	Albany GA 31707	ACL Project No:	33326
		Date Sampled:	09-05-00
Contact:	Ms. Alison Long	Date Extracted:	- - - -
Project No:	ALE-00-335A/VAP Southeast	Date Analyzed:	09-09-00
Date Received:	09-06-00	Matrix:	Water
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (µg/liter)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	5
594-20-7	2,2-Dichloropropane	BDL	5
563-58-6	1,1-Dichloropropene	BDL	5
10061-01-5	cis-1,3-Dichloropropene	BDL	5
10061-02-6	trans-1,3-Dichloropropene	BDL	5
100-41-4	Ethylbenzene	BDL	5
87-68-3	Hexachlorobutadiene	BDL	5
591-78-6	2-Hexanone	BDL	50
98-82-8	Isopropylbenzene	BDL	5
99-87-6	p-Isopropyltoluene	BDL	5
75-09-2	Methylene chloride	BDL	5
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	50
91-20-3	Naphthalene	BDL	5
103-65-1	n-Propylbenzene	BDL	5
100-42-5	Styrene	BDL	5
630-20-6	1,1,1,2-Tetrachloroethane	BDL	5
79-34-5	1,1,2,2-Tetrachloroethane	BDL	5
127-18-4	Tetrachloroethene	28	5
108-88-3	Toluene	BDL	5
87-61-6	1,2,3-Trichlorobenzene	BDL	5
120-82-1	1,2,4-Trichlorobenzene	BDL	5
71-55-6	1,1,1-Trichloroethane	BDL	5
79-00-5	1,1,2-Trichloroethane	BDL	5
79-01-6	Trichloroethene	BDL	5
75-69-4	Trichlorofluoromethane	BDL	5
96-18-4	1,2,3-Trichloropropane	BDL	5
95-63-6	1,2,4-Trimethylbenzene	BDL	5
108-67-8	1,3,5-Trimethylbenzene	BDL	5
108-05-4	Vinyl acetate	BDL	50
75-01-4	Vinyl chloride	BDL	2
95-47-6	o-Xylene	BDL	5
108-38-3/106-42-3	m&p-Xylenes	BDL	10

BDL = Below Detection Limit
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ORGANOCHLORINE PESTICIDES (8081A)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

Client Project No: ALE-00-335A/VAP Southeast
ACL Project No: 33326
Date Received: 09-06-00
Date Reported: 10-09-00

Sample ID:	335/MW-4		335/MW-5		335/MW-6	
ACL Sample No:	159025		159026		159027	
Date Sampled:	09-05-00		09-05-00		09-05-00	
Date Extracted:	09-07-00		09-07-00		09-07-00	
Date Analyzed:	10-06-00		10-07-00		10-07-00	
Matrix:	Water		Water		Water	
Units:	µg/liter		µg/liter		µg/liter	
Analyst:	SS		SS		SS	
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
Aldrin	BDL	0.10	BDL	0.10	BDL	0.10
a-BHC	BDL	0.10	BDL	0.10	BDL	0.10
b-BHC	BDL	0.10	BDL	0.10	BDL	0.10
d-BHC	BDL	0.10	BDL	0.10	BDL	0.10
g-BHC	BDL	0.10	BDL	0.10	BDL	0.10
Chlordane	BDL	0.20	BDL	0.20	BDL	0.20
4,4'-DDD	BDL	0.10	BDL	0.10	BDL	0.10
4,4'-DDE	BDL	0.10	BDL	0.10	BDL	0.10
4,4'-DDT	BDL	0.10	BDL	0.10	BDL	0.10
Dieldrin	BDL	0.10	BDL	0.10	BDL	0.10
Endosulfan I	BDL	0.10	BDL	0.10	BDL	0.10
Endosulfan II	BDL	0.10	BDL	0.10	BDL	0.10
Endosulfan sulfate	BDL	0.10	BDL	0.10	BDL	0.10
Endrin	BDL	0.10	BDL	0.10	BDL	0.10
Endrin aldehyde	BDL	0.10	BDL	0.10	BDL	0.10
Heptachlor	BDL	0.10	BDL	0.10	BDL	0.10
Heptachlor epoxide	BDL	0.10	BDL	0.10	BDL	0.10
Methoxychlor	BDL	0.20	BDL	0.20	BDL	0.10
Toxaphene	BDL	2.00	BDL	2.00	BDL	2.00

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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CHLORINATED HERBICIDES (8151A)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

Client Project No: ALE-00-335A/VAP Southeast
ACL Project No: 33326
Date Received: 09-06-00
Date Reported: 10-09-00

Sample ID:	335/MW-4		335/MW-5		335/MW-6	
ACL Sample No:	159025		159026		159027	
Date Sampled:	09-05-00		09-05-00		09-05-00	
Date Extracted:	09-07-00		09-07-00		09-07-00	
Date Analyzed:	10-05-00		10-05-00		10-05-00	
Matrix:	Water		Water		Water	
Units:	µg/liter		µg/liter		µg/liter	
Analyst:	SS		SS		SS	
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
2,4-D	BDL	0.50	BDL	0.50	BDL	0.50
2,4-DB	BDL	0.50	BDL	0.50	BDL	0.50
2,4,5-T	BDL	0.20	BDL	0.20	BDL	0.20
2,4,5-TP (Silvex)	BDL	0.20	BDL	0.20	BDL	0.20
Dalapon	BDL	0.50	BDL	0.50	BDL	0.50
Dicamba	BDL	0.20	BDL	0.20	BDL	0.20
Dichloroprop	BDL	0.50	BDL	0.50	BDL	0.50
Dinoseb	BDL	0.25	BDL	0.25	BDL	0.25
MCPA	BDL	50.0	BDL	50.0	BDL	50.0
MCPP	BDL	100	BDL	100	BDL	100

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

VAP Southeast
Client Project No: ALE-00-335A
ACL Project No: 33326
Date Received: 09-06-00
Date Reported: 10-09-00

Sample ID	ACL #	Matrix	Nitrate-Nitrogen (353.3) (mg/liter) Result	Det. Limit	Date Analyzed
335/MW-4	159025	Water	78.0	5.00	09-13-00
335/MW-5	159026	Water	20.9	1.00	09-13-00
335/MW-6	159027	Water	58.6	5.00	09-13-00

BDL = Below Detection Limit

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Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

VAP Southeast
Client Project No: ALE-00-335A
ACL Project No: 33326
Date Received: 09-06-00
Date Reported: 10-09-00

Total Arsenic
(6010B) (mg/liter)

Sample ID	ACL #	Matrix	Result	Det. Limit	Date Analyzed
335/MW-5	159026	Water	BDL	0.030	09-07-00
335/MW-6	159027	Water	BDL	0.030	09-07-00

BDL = Below Detection Limit

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POLYNUCLEAR AROMATIC HYDROCARBONS (8270C)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

Client Project No: ALE-00-335A/VAP Southeast
ACL Project No: 33326
Date Received: 09-06-00
Date Reported: 10-09-00

Sample ID:	335/MW-5		335/MW-6			
ACL Sample No:	159026		159027			
Date Sampled:	09-05-00		09-05-00			
Date Extracted:	09-06-00		09-06-00			
Date Analyzed:	09-07-00		09-07-00			
Matrix:	Water		Water			
Units:	µg/liter		µg/liter			
Analyst:	RB		RB			
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
Acenaphthene	BDL	10	BDL	10		
Acenaphthylene	BDL	10	BDL	10		
Anthracene	BDL	10	BDL	10		
Benzo(a)anthracene	BDL	10	BDL	10		
Benzo(a)pyrene	BDL	10	BDL	10		
Benzo(b)fluoranthene	BDL	10	BDL	10		
Benzo(ghi)perylene	BDL	10	BDL	10		
Benzo(k)fluoranthene	BDL	10	BDL	10		
Chrysene	BDL	10	BDL	10		
Dibenzo(ah)anthracene	BDL	10	BDL	10		
Fluoranthene	BDL	10	BDL	10		
Fluorene	BDL	10	BDL	10		
Indeno(123-cd)pyrene	BDL	10	BDL	10		
2-Methyl naphthalene	BDL	10	BDL	10		
Naphthalene	BDL	10	BDL	10		
Phenanthrene	BDL	10	BDL	10		
Pyrene	BDL	10	BDL	10		

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: GEOSCIENCES INC
Phone #: 1-912-437-5PDX
Fax #:
Company Address: 3202 Gillionville RD
Site Location: Colquitt, GA
Project Manager: ALISON LONG
Client Project: (#) AUE-00-335A
(Name) UAP Southeast
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): DON NORMAN

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	VOC	HERBICIDE	PESTICIDE	Nitrate Nitrogen	ARSNIC	PAH								Remarks
335/MW-4	5	X												9/5/00	1100	X	X	X	X										ICED
335/MW-5	7	X												9/5/00	1300	X	X	X	X	X	X								
335/MW-6	7	X												9/6/00	1430	X	X	X	X	X	X								

Special Detection Limits

Remarks:

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☐

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 33326

Cooler Temp. <4 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

Relinquished by:	Date	Time	Received by:
Don Norman	9/5/00	17 00	UPS
Relinquished by: UPS	Date	Time	Received by:
Relinquished by:	Date 9/6/00	Time	Received by Laboratory: Waybill # [illegible]

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VOLATILE ORGANICS - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-4 (8.5-10')
	3202 Gillionville Road	ACL Sample No:	158981
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-28-00
Contact:	Ms. Alison Long	Date Extracted:	08-28-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
67-64-1	Acetone	BDL	0.100
107-02-8	Acrolein	BDL	0.050
107-13-1	Acrylonitrile	BDL	0.050
71-43-2	Benzene	BDL	0.005
108-86-1	Bromobenzene	BDL	0.005
74-97-5	Bromochloromethane	BDL	0.005
75-27-4	Bromodichloromethane	BDL	0.005
75-25-2	Bromoform	BDL	0.005
74-83-9	Bromomethane	BDL	0.010
78-93-3	2-Butanone (MEK)	BDL	0.100
104-51-8	n-Butylbenzene	BDL	0.005
135-98-8	sec-Butylbenzene	BDL	0.005
98-06-6	tert-Butylbenzene	BDL	0.005
75-15-0	Carbon disulfide	BDL	0.005
56-23-5	Carbon tetrachloride	BDL	0.005
108-90-7	Chlorobenzene	BDL	0.005
75-00-3	Chloroethane	BDL	0.010
67-66-3	Chloroform	BDL	0.005
74-87-3	Chloromethane	BDL	0.010
95-49-8	2-Chlorotoluene	BDL	0.005
106-43-4	4-Chlorotoluene	BDL	0.005
110-75-8	2-Chloroethyl vinyl ether	BDL	0.010
124-48-1	Dibromochloromethane	BDL	0.005
96-12-8	1,2-Dibromo-3-chloropropane	BDL	0.005
106-93-4	1,2-Dibromoethane	BDL	0.005
74-95-3	Dibromomethane	BDL	0.005
95-50-1	1,2-Dichlorobenzene	BDL	0.005
541-73-1	1,3-Dichlorobenzene	BDL	0.005
106-46-7	1,4-Dichlorobenzene	BDL	0.005
75-71-8	Dichlorodifluoromethane	BDL	0.010
75-34-3	1,1-Dichloroethane	BDL	0.005
107-06-2	1,2-Dichloroethane	BDL	0.005
75-35-4	1,1-Dichloroethene	BDL	0.005
156-59-2	cis-1,2-Dichloroethene	BDL	0.005
156-60-5	trans-1,2-Dichloroethene	BDL	0.005
78-87-5	1,2-Dichloropropane	BDL	0.005

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

John Andros, Lab Manager

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-4 (8.5-10')
	3202 Gillionville Road	ACL Sample No:	158981
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-28-00
Contact:	Ms. Alison Long	Date Extracted:	08-28-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	0.005
594-20-7	2,2-Dichloropropane	BDL	0.005
563-58-6	1,1-Dichloropropene	BDL	0.005
10061-01-5	cis-1,3-Dichloropropene	BDL	0.005
10061-02-6	trans-1,3-Dichloropropene	BDL	0.005
100-41-4	Ethylbenzene	BDL	0.005
87-68-3	Hexachlorobutadiene	BDL	0.005
591-78-6	2-Hexanone	BDL	0.050
98-82-8	Isopropylbenzene	BDL	0.005
99-87-6	p-Isopropyltoluene	BDL	0.005
75-09-2	Methylene chloride	BDL	0.005
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	0.050
91-20-3	Naphthalene	BDL	0.005
103-65-1	n-Propylbenzene	BDL	0.005
100-42-5	Styrene	BDL	0.005
630-20-6	1,1,1,2-Tetrachloroethane	BDL	0.005
79-34-5	1,1,2,2-Tetrachloroethane	BDL	0.005
127-18-4	Tetrachloroethene	BDL	0.005
108-88-3	Toluene	BDL	0.005
87-61-6	1,2,3-Trichlorobenzene	BDL	0.005
120-82-1	1,2,4-Trichlorobenzene	BDL	0.005
71-55-6	1,1,1-Trichloroethane	BDL	0.005
79-00-5	1,1,2-Trichloroethane	BDL	0.005
79-01-6	Trichloroethene	BDL	0.005
75-69-4	Trichlorofluoromethane	BDL	0.005
96-18-4	1,2,3-Trichloropropane	BDL	0.005
95-63-6	1,2,4-Trimethylbenzene	BDL	0.005
108-67-8	1,3,5-Trimethylbenzene	BDL	0.005
108-05-4	Vinyl acetate	BDL	0.050
75-01-4	Vinyl chloride	BDL	0.010
95-47-6	o-Xylene	BDL	0.005
108-38-3/106-42-3	m&p-Xylenes	BDL	0.010

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-5 (3.5-5')
	3202 Gillionville Road	ACL Sample No:	158982
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-28-00
Contact:	Ms. Alison Long	Date Extracted:	08-28-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
67-64-1	Acetone	BDL	0.100
107-02-8	Acrolein	BDL	0.050
107-13-1	Acrylonitrile	BDL	0.050
71-43-2	Benzene	BDL	0.005
108-86-1	Bromobenzene	BDL	0.005
74-97-5	Bromochloromethane	BDL	0.005
75-27-4	Bromodichloromethane	BDL	0.005
75-25-2	Bromoform	BDL	0.005
74-83-9	Bromomethane	BDL	0.010
78-93-3	2-Butanone (MEK)	BDL	0.100
104-51-8	n-Butylbenzene	BDL	0.005
135-98-8	sec-Butylbenzene	BDL	0.005
98-06-6	tert-Butylbenzene	BDL	0.005
75-15-0	Carbon disulfide	BDL	0.005
56-23-5	Carbon tetrachloride	BDL	0.005
108-90-7	Chlorobenzene	BDL	0.005
75-00-3	Chloroethane	BDL	0.010
67-66-3	Chloroform	BDL	0.005
74-87-3	Chloromethane	BDL	0.010
95-49-8	2-Chlorotoluene	BDL	0.005
106-43-4	4-Chlorotoluene	BDL	0.005
110-75-8	2-Chloroethyl vinyl ether	BDL	0.010
124-48-1	Dibromochloromethane	BDL	0.005
96-12-8	1,2-Dibromo-3-chloropropane	BDL	0.005
106-93-4	1,2-Dibromoethane	BDL	0.005
74-95-3	Dibromomethane	BDL	0.005
95-50-1	1,2-Dichlorobenzene	BDL	0.005
541-73-1	1,3-Dichlorobenzene	BDL	0.005
106-46-7	1,4-Dichlorobenzene	BDL	0.005
75-71-8	Dichlorodifluoromethane	BDL	0.010
75-34-3	1,1-Dichloroethane	BDL	0.005
107-06-2	1,2-Dichloroethane	BDL	0.005
75-35-4	1,1-Dichloroethene	BDL	0.005
156-59-2	cis-1,2-Dichloroethene	BDL	0.005
156-60-5	trans-1,2-Dichloroethene	BDL	0.005
78-87-5	1,2-Dichloropropane	BDL	0.005

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-5 (3.5-5')
	3202 Gillionville Road	ACL Sample No:	158982
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-28-00
Contact:	Ms. Alison Long	Date Extracted:	08-28-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	0.005
594-20-7	2,2-Dichloropropane	BDL	0.005
563-58-6	1,1-Dichloropropene	BDL	0.005
10061-01-5	cis-1,3-Dichloropropene	BDL	0.005
10061-02-6	trans-1,3-Dichloropropene	BDL	0.005
100-41-4	Ethylbenzene	BDL	0.005
87-68-3	Hexachlorobutadiene	BDL	0.005
591-78-6	2-Hexanone	BDL	0.050
98-82-8	Isopropylbenzene	BDL	0.005
99-87-6	p-Isopropyltoluene	BDL	0.005
75-09-2	Methylene chloride	BDL	0.005
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	0.050
91-20-3	Naphthalene	BDL	0.005
103-65-1	n-Propylbenzene	BDL	0.005
100-42-5	Styrene	BDL	0.005
630-20-6	1,1,1,2-Tetrachloroethane	BDL	0.005
79-34-5	1,1,2,2-Tetrachloroethane	BDL	0.005
127-18-4	Tetrachloroethene	BDL	0.005
108-88-3	Toluene	BDL	0.005
87-61-6	1,2,3-Trichlorobenzene	BDL	0.005
120-82-1	1,2,4-Trichlorobenzene	BDL	0.005
71-55-6	1,1,1-Trichloroethane	BDL	0.005
79-00-5	1,1,2-Trichloroethane	BDL	0.005
79-01-6	Trichloroethene	BDL	0.005
75-69-4	Trichlorofluoromethane	BDL	0.005
96-18-4	1,2,3-Trichloropropane	BDL	0.005
95-63-6	1,2,4-Trimethylbenzene	BDL	0.005
108-67-8	1,3,5-Trimethylbenzene	BDL	0.005
108-05-4	Vinyl acetate	BDL	0.050
75-01-4	Vinyl chloride	BDL	0.010
95-47-6	o-Xylene	BDL	0.005
108-38-3/106-42-3	m&p-Xylenes	BDL	0.010

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-5 (18.5-20')
	3202 Gillionville Road	ACL Sample No:	158983
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-29-00
Contact:	Ms. Alison Long	Date Extracted:	08-29-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
67-64-1	Acetone	BDL	0.100
107-02-8	Acrolein	BDL	0.050
107-13-1	Acrylonitrile	BDL	0.050
71-43-2	Benzene	BDL	0.005
108-86-1	Bromobenzene	BDL	0.005
74-97-5	Bromochloromethane	BDL	0.005
75-27-4	Bromodichloromethane	BDL	0.005
75-25-2	Bromoform	BDL	0.005
74-83-9	Bromomethane	BDL	0.010
78-93-3	2-Butanone (MEK)	BDL	0.100
104-51-8	n-Butylbenzene	BDL	0.005
135-98-8	sec-Butylbenzene	BDL	0.005
98-06-6	tert-Butylbenzene	BDL	0.005
75-15-0	Carbon disulfide	0.008	0.005
56-23-5	Carbon tetrachloride	BDL	0.005
108-90-7	Chlorobenzene	BDL	0.005
75-00-3	Chloroethane	BDL	0.010
67-66-3	Chloroform	BDL	0.005
74-87-3	Chloromethane	BDL	0.010
95-49-8	2-Chlorotoluene	BDL	0.005
106-43-4	4-Chlorotoluene	BDL	0.005
110-75-8	2-Chloroethyl vinyl ether	BDL	0.010
124-48-1	Dibromochloromethane	BDL	0.005
96-12-8	1,2-Dibromo-3-chloropropane	BDL	0.005
106-93-4	1,2-Dibromoethane	BDL	0.005
74-95-3	Dibromomethane	BDL	0.005
95-50-1	1,2-Dichlorobenzene	BDL	0.005
541-73-1	1,3-Dichlorobenzene	BDL	0.005
106-46-7	1,4-Dichlorobenzene	BDL	0.005
75-71-8	Dichlorodifluoromethane	BDL	0.010
75-34-3	1,1-Dichloroethane	BDL	0.005
107-06-2	1,2-Dichloroethane	BDL	0.005
75-35-4	1,1-Dichloroethene	BDL	0.005
156-59-2	cis-1,2-Dichloroethene	BDL	0.005
156-60-5	trans-1,2-Dichloroethene	BDL	0.005
78-87-5	1,2-Dichloropropane	BDL	0.005

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-5 (18.5-20')
	3202 Gillionville Road	ACL Sample No:	158983
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-29-00
Contact:	Ms. Alison Long	Date Extracted:	08-29-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	0.005
594-20-7	2,2-Dichloropropane	BDL	0.005
563-58-6	1,1-Dichloropropene	BDL	0.005
10061-01-5	cis-1,3-Dichloropropene	BDL	0.005
10061-02-6	trans-1,3-Dichloropropene	BDL	0.005
100-41-4	Ethylbenzene	BDL	0.005
87-68-3	Hexachlorobutadiene	BDL	0.005
591-78-6	2-Hexanone	BDL	0.050
98-82-8	Isopropylbenzene	BDL	0.005
99-87-6	p-Isopropyltoluene	BDL	0.005
75-09-2	Methylene chloride	BDL	0.005
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	0.050
91-20-3	Naphthalene	BDL	0.005
103-65-1	n-Propylbenzene	BDL	0.005
100-42-5	Styrene	BDL	0.005
630-20-6	1,1,1,2-Tetrachloroethane	BDL	0.005
79-34-5	1,1,2,2-Tetrachloroethane	BDL	0.005
127-18-4	Tetrachloroethene	BDL	0.005
108-88-3	Toluene	BDL	0.005
87-61-6	1,2,3-Trichlorobenzene	BDL	0.005
120-82-1	1,2,4-Trichlorobenzene	BDL	0.005
71-55-6	1,1,1-Trichloroethane	BDL	0.005
79-00-5	1,1,2-Trichloroethane	BDL	0.005
79-01-6	Trichloroethene	BDL	0.005
75-69-4	Trichlorofluoromethane	BDL	0.005
96-18-4	1,2,3-Trichloropropane	BDL	0.005
95-63-6	1,2,4-Trimethylbenzene	BDL	0.005
108-67-8	1,3,5-Trimethylbenzene	BDL	0.005
108-05-4	Vinyl acetate	BDL	0.050
75-01-4	Vinyl chloride	BDL	0.010
95-47-6	o-Xylene	BDL	0.005
108-38-3/106-42-3	m&p-Xylenes	BDL	0.010

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-6 (18.5-20')
	3202 Gillionville Road	ACL Sample No:	158984
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-30-00
Contact:	Ms. Alison Long	Date Extracted:	08-30-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
67-64-1	Acetone	BDL	0.100
107-02-8	Acrolein	BDL	0.050
107-13-1	Acrylonitrile	BDL	0.050
71-43-2	Benzene	BDL	0.005
108-86-1	Bromobenzene	BDL	0.005
74-97-5	Bromochloromethane	BDL	0.005
75-27-4	Bromodichloromethane	BDL	0.005
75-25-2	Bromoform	BDL	0.005
74-83-9	Bromomethane	BDL	0.010
78-93-3	2-Butanone (MEK)	BDL	0.100
104-51-8	n-Butylbenzene	BDL	0.005
135-98-8	sec-Butylbenzene	BDL	0.005
98-06-6	tert-Butylbenzene	BDL	0.005
75-15-0	Carbon disulfide	BDL	0.005
56-23-5	Carbon tetrachloride	BDL	0.005
108-90-7	Chlorobenzene	BDL	0.005
75-00-3	Chloroethane	BDL	0.010
67-66-3	Chloroform	BDL	0.005
74-87-3	Chloromethane	BDL	0.010
95-49-8	2-Chlorotoluene	BDL	0.005
106-43-4	4-Chlorotoluene	BDL	0.005
110-75-8	2-Chloroethyl vinyl ether	BDL	0.010
124-48-1	Dibromochloromethane	BDL	0.005
96-12-8	1,2-Dibromo-3-chloropropane	BDL	0.005
106-93-4	1,2-Dibromoethane	BDL	0.005
74-95-3	Dibromomethane	BDL	0.005
95-50-1	1,2-Dichlorobenzene	BDL	0.005
541-73-1	1,3-Dichlorobenzene	BDL	0.005
106-46-7	1,4-Dichlorobenzene	BDL	0.005
75-71-8	Dichlorodifluoromethane	BDL	0.010
75-34-3	1,1-Dichloroethane	BDL	0.005
107-06-2	1,2-Dichloroethane	BDL	0.005
75-35-4	1,1-Dichloroethene	BDL	0.005
156-59-2	cis-1,2-Dichloroethene	BDL	0.005
156-60-5	trans-1,2-Dichloroethene	BDL	0.005
78-87-5	1,2-Dichloropropane	BDL	0.005

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	MW-6 (18.5-20')
	3202 Gillionville Road	ACL Sample No:	158984
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-30-00
Contact:	Ms. Alison Long	Date Extracted:	08-30-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	0.005
594-20-7	2,2-Dichloropropane	BDL	0.005
563-58-6	1,1-Dichloropropene	BDL	0.005
10061-01-5	cis-1,3-Dichloropropene	BDL	0.005
10061-02-6	trans-1,3-Dichloropropene	BDL	0.005
100-41-4	Ethylbenzene	BDL	0.005
87-68-3	Hexachlorobutadiene	BDL	0.005
591-78-6	2-Hexanone	BDL	0.050
98-82-8	Isopropylbenzene	BDL	0.005
99-87-6	p-Isopropyltoluene	BDL	0.005
75-09-2	Methylene chloride	BDL	0.005
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	0.050
91-20-3	Naphthalene	BDL	0.005
103-65-1	n-Propylbenzene	BDL	0.005
100-42-5	Styrene	BDL	0.005
630-20-6	1,1,1,2-Tetrachloroethane	BDL	0.005
79-34-5	1,1,2,2-Tetrachloroethane	BDL	0.005
127-18-4	Tetrachloroethene	BDL	0.005
108-88-3	Toluene	BDL	0.005
87-61-6	1,2,3-Trichlorobenzene	BDL	0.005
120-82-1	1,2,4-Trichlorobenzene	BDL	0.005
71-55-6	1,1,1-Trichloroethane	BDL	0.005
79-00-5	1,1,2-Trichloroethane	BDL	0.005
79-01-6	Trichloroethene	BDL	0.005
75-69-4	Trichlorofluoromethane	BDL	0.005
96-18-4	1,2,3-Trichloropropane	BDL	0.005
95-63-6	1,2,4-Trimethylbenzene	BDL	0.005
108-67-8	1,3,5-Trimethylbenzene	BDL	0.005
108-05-4	Vinyl acetate	BDL	0.050
75-01-4	Vinyl chloride	BDL	0.010
95-47-6	o-Xylene	BDL	0.005
108-38-3/106-42-3	m&p-Xylenes	BDL	0.010

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	Weld Shop (1.5-2')
	3202 Gillionville Road	ACL Sample No:	158985
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-30-00
Contact:	Ms. Alison Long	Date Extracted:	08-30-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
67-64-1	Acetone	BDL	0.100
107-02-8	Acrolein	BDL	0.050
107-13-1	Acrylonitrile	BDL	0.050
71-43-2	Benzene	BDL	0.005
108-86-1	Bromobenzene	BDL	0.005
74-97-5	Bromochloromethane	BDL	0.005
75-27-4	Bromodichloromethane	BDL	0.005
75-25-2	Bromoform	BDL	0.005
74-83-9	Bromomethane	BDL	0.010
78-93-3	2-Butanone (MEK)	BDL	0.100
104-51-8	n-Butylbenzene	BDL	0.005
135-98-8	sec-Butylbenzene	BDL	0.005
98-06-6	tert-Butylbenzene	BDL	0.005
75-15-0	Carbon disulfide	BDL	0.005
56-23-5	Carbon tetrachloride	BDL	0.005
108-90-7	Chlorobenzene	BDL	0.005
75-00-3	Chloroethane	BDL	0.010
67-66-3	Chloroform	BDL	0.005
74-87-3	Chloromethane	BDL	0.010
95-49-8	2-Chlorotoluene	BDL	0.005
106-43-4	4-Chlorotoluene	BDL	0.005
110-75-8	2-Chloroethyl vinyl ether	BDL	0.010
124-48-1	Dibromochloromethane	BDL	0.005
96-12-8	1,2-Dibromo-3-chloropropane	BDL	0.005
106-93-4	1,2-Dibromoethane	BDL	0.005
74-95-3	Dibromomethane	BDL	0.005
95-50-1	1,2-Dichlorobenzene	BDL	0.005
541-73-1	1,3-Dichlorobenzene	BDL	0.005
106-46-7	1,4-Dichlorobenzene	BDL	0.005
75-71-8	Dichlorodifluoromethane	BDL	0.010
75-34-3	1,1-Dichloroethane	BDL	0.005
107-06-2	1,2-Dichloroethane	BDL	0.005
75-35-4	1,1-Dichloroethene	BDL	0.005
156-59-2	cis-1,2-Dichloroethene	BDL	0.005
156-60-5	trans-1,2-Dichloroethene	BDL	0.005
78-87-5	1,2-Dichloropropane	BDL	0.005

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	Weld Shop (1.5-2')
	3202 Gillionville Road	ACL Sample No:	158985
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-30-00
Contact:	Ms. Alison Long	Date Extracted:	08-30-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	0.005
594-20-7	2,2-Dichloropropane	BDL	0.005
563-58-6	1,1-Dichloropropene	BDL	0.005
10061-01-5	cis-1,3-Dichloropropene	BDL	0.005
10061-02-6	trans-1,3-Dichloropropene	BDL	0.005
100-41-4	Ethylbenzene	BDL	0.005
87-68-3	Hexachlorobutadiene	BDL	0.005
591-78-6	2-Hexanone	BDL	0.050
98-82-8	Isopropylbenzene	BDL	0.005
99-87-6	p-Isopropyltoluene	BDL	0.005
75-09-2	Methylene chloride	BDL	0.005
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	0.050
91-20-3	Naphthalene	BDL	0.005
103-65-1	n-Propylbenzene	BDL	0.005
100-42-5	Styrene	BDL	0.005
630-20-6	1,1,1,2-Tetrachloroethane	BDL	0.005
79-34-5	1,1,2,2-Tetrachloroethane	BDL	0.005
127-18-4	Tetrachloroethene	BDL	0.005
108-88-3	Toluene	BDL	0.005
87-61-6	1,2,3-Trichlorobenzene	BDL	0.005
120-82-1	1,2,4-Trichlorobenzene	BDL	0.005
71-55-6	1,1,1-Trichloroethane	BDL	0.005
79-00-5	1,1,2-Trichloroethane	BDL	0.005
79-01-6	Trichloroethene	BDL	0.005
75-69-4	Trichlorofluoromethane	BDL	0.005
96-18-4	1,2,3-Trichloropropane	BDL	0.005
95-63-6	1,2,4-Trimethylbenzene	BDL	0.005
108-67-8	1,3,5-Trimethylbenzene	BDL	0.005
108-05-4	Vinyl acetate	BDL	0.050
75-01-4	Vinyl chloride	BDL	0.010
95-47-6	o-Xylene	BDL	0.005
108-38-3/106-42-3	m&p-Xylenes	BDL	0.010

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	Evap Area (1.5-2')
	3202 Gillionville Road	ACL Sample No:	158986
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-30-00
Contact:	Ms. Alison Long	Date Extracted:	08-30-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
67-64-1	Acetone	BDL	0.100
107-02-8	Acrolein	BDL	0.050
107-13-1	Acrylonitrile	BDL	0.050
71-43-2	Benzene	BDL	0.005
108-86-1	Bromobenzene	BDL	0.005
74-97-5	Bromochloromethane	BDL	0.005
75-27-4	Bromodichloromethane	BDL	0.005
75-25-2	Bromoform	BDL	0.005
74-83-9	Bromomethane	BDL	0.010
78-93-3	2-Butanone (MEK)	BDL	0.100
104-51-8	n-Butylbenzene	BDL	0.005
135-98-8	sec-Butylbenzene	BDL	0.005
98-06-6	tert-Butylbenzene	BDL	0.005
75-15-0	Carbon disulfide	BDL	0.005
56-23-5	Carbon tetrachloride	BDL	0.005
108-90-7	Chlorobenzene	BDL	0.005
75-00-3	Chloroethane	BDL	0.010
67-66-3	Chloroform	BDL	0.005
74-87-3	Chloromethane	BDL	0.010
95-49-8	2-Chlorotoluene	BDL	0.005
106-43-4	4-Chlorotoluene	BDL	0.005
110-75-8	2-Chloroethyl vinyl ether	BDL	0.010
124-48-1	Dibromochloromethane	BDL	0.005
96-12-8	1,2-Dibromo-3-chloropropane	BDL	0.005
106-93-4	1,2-Dibromoethane	BDL	0.005
74-95-3	Dibromomethane	BDL	0.005
95-50-1	1,2-Dichlorobenzene	BDL	0.005
541-73-1	1,3-Dichlorobenzene	BDL	0.005
106-46-7	1,4-Dichlorobenzene	BDL	0.005
75-71-8	Dichlorodifluoromethane	BDL	0.010
75-34-3	1,1-Dichloroethane	BDL	0.005
107-06-2	1,2-Dichloroethane	BDL	0.005
75-35-4	1,1-Dichloroethene	BDL	0.005
156-59-2	cis-1,2-Dichloroethene	BDL	0.005
156-60-5	trans-1,2-Dichloroethene	BDL	0.005
78-87-5	1,2-Dichloropropane	BDL	0.005

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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VOLATILE ORGANICS (cont'd) - SW-846, METHOD 5035 / 8260B

Client:	Geosciences, Inc.	Sample ID:	Evap Area (1.5-2')
	3202 Gillionville Road	ACL Sample No:	158986
	Albany GA 31707	ACL Project No:	33316
		Date Sampled:	08-30-00
Contact:	Ms. Alison Long	Date Extracted:	08-30-00
Project No:	ALE-00-335A/FFM Main Facility	Date Analyzed:	09-06-00
Date Received:	09-05-00	Matrix:	Soil
Date Reported:	10-09-00	Analyst:	TL

Cas No.	Compound	Result (mg/kg)	Detection Limit
142-28-9	1,3-Dichloropropane	BDL	0.005
594-20-7	2,2-Dichloropropane	BDL	0.005
563-58-6	1,1-Dichloropropene	BDL	0.005
10061-01-5	cis-1,3-Dichloropropene	BDL	0.005
10061-02-6	trans-1,3-Dichloropropene	BDL	0.005
100-41-4	Ethylbenzene	BDL	0.005
87-68-3	Hexachlorobutadiene	BDL	0.005
591-78-6	2-Hexanone	BDL	0.050
98-82-8	Isopropylbenzene	BDL	0.005
99-87-6	p-Isopropyltoluene	BDL	0.005
75-09-2	Methylene chloride	BDL	0.005
108-10-1	4-Methyl-2-pentanone (MIBK)	BDL	0.050
91-20-3	Naphthalene	BDL	0.005
103-65-1	n-Propylbenzene	BDL	0.005
100-42-5	Styrene	BDL	0.005
630-20-6	1,1,1,2-Tetrachloroethane	BDL	0.005
79-34-5	1,1,2,2-Tetrachloroethane	BDL	0.005
127-18-4	Tetrachloroethene	BDL	0.005
108-88-3	Toluene	BDL	0.005
87-61-6	1,2,3-Trichlorobenzene	BDL	0.005
120-82-1	1,2,4-Trichlorobenzene	BDL	0.005
71-55-6	1,1,1-Trichloroethane	BDL	0.005
79-00-5	1,1,2-Trichloroethane	BDL	0.005
79-01-6	Trichloroethene	BDL	0.005
75-69-4	Trichlorofluoromethane	BDL	0.005
96-18-4	1,2,3-Trichloropropane	BDL	0.005
95-63-6	1,2,4-Trimethylbenzene	BDL	0.005
108-67-8	1,3,5-Trimethylbenzene	BDL	0.005
108-05-4	Vinyl acetate	BDL	0.050
75-01-4	Vinyl chloride	BDL	0.010
95-47-6	o-Xylene	BDL	0.005
108-38-3/106-42-3	m&p-Xylenes	BDL	0.010

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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ORGANOCHLORINE PESTICIDES (8081A)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

FFM Main Facility
Client Project No: ALE-00-335A
ACL Project No: 33316
Date Received: 09-05-00
Date Reported: 10-09-00

Sample ID:	MW-6 (18.5-20')					
ACL Sample No:	158984					
Date Sampled:	08-30-00					
Date Extracted:	09-06-00					
Date Analyzed:	10-02-00					
Matrix:	Soil					
Units:	mg/kg					
Analyst:	SS					
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
Aldrin	BDL	0.005				
a-BHC	BDL	0.005				
b-BHC	BDL	0.005				
d-BHC	BDL	0.005				
g-BHC	BDL	0.005				
Chlordane	BDL	0.010				
4,4'-DDD	BDL	0.005				
4,4'-DDE	BDL	0.005				
4,4'-DDT	BDL	0.005				
Dieldrin	BDL	0.005				
Endosulfan I	BDL	0.005				
Endosulfan II	BDL	0.005				
Endosulfan sulfate	BDL	0.005				
Endrin	BDL	0.005				
Endrin aldehyde	BDL	0.005				
Heptachlor	BDL	0.005				
Heptachlor epoxide	BDL	0.005				
Methoxychlor	BDL	0.005				
Toxaphene	BDL	0.100				

BDL = Below Detection Limit
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CHLORINATED HERBICIDES (8151A)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

Client Project No: ALE-00-335A/FFM Main Facility
ACL Project No: 33316
Date Received: 09-05-00
Date Reported: 10-09-00

Sample ID:	MW-4 (8.5-10')		MW-5 (3.5-5')		MW-5 (18.5-20')	
ACL Sample No:	*158981		158982		158983	
Date Sampled:	08-28-00		08-28-00		08-29-00	
Date Extracted:	09-05-00		09-05-00		09-05-00	
Date Analyzed:	10-07-00		10-05-00		10-05-00	
Matrix:	Soil		Soil		Soil	
Units:	mg/kg		mg/kg		mg/kg	
Analyst:	SS		SS		SS	
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
2,4-D	BDL	0.10	BDL	0.010	BDL	0.010
2,4-DB	BDL	0.10	BDL	0.010	BDL	0.010
2,4,5-T	BDL	0.05	BDL	0.005	BDL	0.005
2,4,5-TP (Silvex)	BDL	0.05	BDL	0.005	BDL	0.005
Dalapon	BDL	0.10	BDL	0.010	BDL	0.010
Dicamba	BDL	0.05	BDL	0.005	BDL	0.005
Dichloroprop	BDL	0.10	BDL	0.010	BDL	0.010
Dinoseb	BDL	0.05	BDL	0.005	BDL	0.005
MCPA	BDL	5.00	BDL	0.50	BDL	0.50
MCPP	BDL	10.0	BDL	1.00	BDL	1.00

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value
* Matrix interference prevents normal detection limits.

ACL

ADVANCED CHEMISTRY LABS, INC.

Phone: (770) 409-1444
Fax: (770) 409-1844
Outside GA: (800) 277-0520
e-mail: acl@mindspring.com

3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

CHLORINATED HERBICIDES (8151A)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

Client Project No: ALE-00-335A/FFM Main Facility
ACL Project No: 33316
Date Received: 09-05-00
Date Reported: 10-09-00

Sample ID:	MW-6 (18.5-20')					
ACL Sample No:	158984					
Date Sampled:	08-30-00					
Date Extracted:	09-05-00					
Date Analyzed:	10-05-00					
Matrix:	Soil					
Units:	mg/kg					
Analyst:	SS					
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
2,4-D	BDL	0.010				
2,4-DB	BDL	0.010				
2,4,5-T	BDL	0.005				
2,4,5-TP (Silvex)	BDL	0.005				
Dalapon	BDL	0.010				
Dicamba	BDL	0.005				
Dichloroprop	BDL	0.010				
Dinoseb	BDL	0.005				
MCPA	BDL	0.50				
MCPP	BDL	1.00				

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

FFM Main Facility
Client Project No: ALE-00-335A
ACL Project No: 33316
Date Received: 09-05-00
Date Reported: 10-09-00

Nitrate-Nitrogen
(353.3) (mg/kg)

Sample ID	ACL #	Matrix	Result	Det. Limit	Date Analyzed
MW-4 (8.5-10')	158981	Soil	14.8	5.00	09-12-00
MW-5 (3.5-5')	158982	Soil	125	20.0	09-12-00
MW-5 (18.5-20')	158983	Soil	72.1	10.0	09-12-00
MW-6 (18.5-20')	158984	Soil	130	20.0	09-12-00

BDL = Below Detection Limit

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FFM Main Facility

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Client Project No: ALE-00-335A
ACL Project No: 33316
Date Received: 09-05-00
Date Reported: 10-09-00

Contact: Ms. Alison Long

Total Arsenic
(6010B) (mg/kg)

Sample ID	ACL #	Matrix	Result	Det. Limit	Date Analyzed
MW-5 (3.5-5')	158982	Soil	BDL	5.00	09-07-00
MW-5 (18.5-20')	158983	Soil	BDL	5.00	09-07-00
MW-6 (18.5-20')	158984	Soil	BDL	5.00	09-07-00

BDL = Below Detection Limit

ACL

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RCRA METALS (6010B/7471A)

Client: Geosciences, Inc.
3202 Gillionville Road
Albany GA 31707

Contact: Ms. Alison Long

Client Project No: ALE-00-335A/FFM Main Facility
ACL Project No: 33316
Date Received: 09-05-00
Date Reported: 10-09-00

Sample ID:	Weld Shop (1.5-2')					
ACL Sample No:	158985					
Date Sampled:	08-30-00					
Date Analyzed:	09-07-00					
Matrix:	Soil					
Units:	mg/kg					
Analyst:	CP/JR					
	Dissolved		Dissolved		Dissolved	
	Total	X	Total		Total	
	EP-Toxicity		EP-Toxicity		EP-Toxicity	
	TCLP		TCLP		TCLP	
Compound	Result	Det. Limit	Result	Det. Limit	Result	Det. Limit
Arsenic	BDL	5.00				
Barium	19.7	10.0				
Cadmium	BDL	5.00				
Chromium	30.0	5.00				
Lead	11.8	5.00				
Mercury (09-12-00)	BDL	0.50				
Selenium	BDL	5.00				
Silver	BDL	10.0				

BDL = Below Detection Limit
J = Less Than Detection Limit, Approximate Value

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: GEOSCIENCES, INC

Phone #: (912) 432-5805

Fax # :

Company Address: 3202 GILLIONVILLE RD.

Site Location: FFM MAIN FACILITY

Project Manager: ALISON LONG

Client Project: (#) (Name) ALE-00-335A

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): A. LONG

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	VOCs (APP I)	HERBICIDES	PESTICIDES	NITRATE-NITROGEN	ARSENIC	RCRA METALS (TOTALS)	Remarks
MW-4 (8.5-10')	4		X								X			8/28/00	11:25	X	X	X	X			ICED
MW-5 (3.5-5')	4		X								X			"	4:30	X	X	X	X	X		
MW-5 (18.5-20')	4		X								X			8/29/00	8:20	X	X	X	X	X		
MW-6 (18.5-20')	4		X								X			8/30/00	9:28	X	X	X	X	X		
WELD SHOP (1.5-2')	4		X								X			8/30/00	4:45	X					X	
EVAP. AREA (1.5-2')	4		X								X			"	3:45	X						

Special Detection Limits

Remarks:

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements

Fax ☐

Lab Use Only: ACL Project #: 33316

Cooler Temp. <4 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

Relinquished by:	Date	Time	Received by:
Sampler: A. Long	9/1/00	5:00P	UPS
UPS			
	9/5/00		Received by Laboratory: Waybill # Ali Abdulkadir

APPENDIX E

2001 GEOSCIENCES CONFIRMATION SAMPLING LETTER REPORT

January 15, 2001

Mr. Gary Rindner
General Counsel
E. D. & F. Man, Inc.
Two World Financial Center
New York, NY 10281-2700

SUBJECT: Soil/Groundwater Confirmation Sampling
FFM Main Facility
East Main Street
Colquitt, Georgia
Geosciences Project No: ALE-00-335A

Dear Mr. Rindner:

Samples taken during well installation at the FFM Main Facility in Colquitt, Georgia in August 2000 indicated the presence of carbon disulfide at a concentration of 0.008 milligrams per kilogram (mg/kg) in the soil sample collected from 18.5 to 20 feet below land surface (bls) at monitoring well MW-5 (See Figure 1 for well locations). In addition, the groundwater sample from monitoring well MW-6 indicated tetrachloroethene present in the groundwater at a concentration of 28 microgram per liter (ug/L). These results were reported in Geosciences' "Monitoring Well Installation and Sampling" report dated October 31, 2000. Since both of the detected constituents are regulated under the Hazardous Site Response Act (HSRA) (Chapter 391-3-19-.04(3)), Geosciences proposed collecting soil and groundwater confirmation samples (proposal A-00-193, dated November 16, 2000) to determine whether or not the constituents are present in concentrations which exceed the notification requirements of HSRA.

SOIL AND GOUNDWATER SAMPLING

Geosciences, Inc. collected soil confirmation samples on December 15, 2000 to confirm or deny the presence of carbon disulfide in the soil near MW-5. Two soil test borings were drilled using 2.25-inch inside diameter augers in the immediate vicinity of MW-5 (see Figure 1). Soil test boring SB-1 is located approximately 1.5 feet directly south of MW-5, and soil test boring SB-2 is located approximately 2 feet directly west of MW-5. A sample was collected from 18.5 to 20 feet below land surface (bls) in each boring. Samples were also collected from above the water table (41.5 to 42 feet bls) in each boring. The samples were sent to Advanced Chemistry Labs, Inc. in Atlanta for carbon disulfide analysis. Following sampling, the two soil test borings were grouted to land surface with a portland cement/3-5% bentonite powder slurry using a tremie hose.

A groundwater sample was collected on December 15, 2000 from monitoring well MW-6 to confirm or deny the presence of tetrachloroethene previously detected during the September 5, 2000 sampling event. Monitoring well MW-6 was bailed dry using new high density polyethylene (HDPE) disposable bailer and allowed to recharge twice before a water sample was collected for tetrachloroethene analysis. The sample was shipped via overnight courier along with the four soil samples to Advanced Chemistry Labs, Inc. in Atlanta for analysis.

LABORATORY TEST RESULTS

Soil samples SB-1 (18.5-20'), SB-1 (41.5-42'), SB-2 (18.5-20'), and SB-2 (41.5-42') were analyzed for the presence of carbon disulfide using EPA Method 5035/8260B. Laboratory results were reported as being "below laboratory detection limits" (BDL) in all of the soil samples.

Groundwater sample MW-6 was analyzed for the presence of tetrachloroethene using EPA Method 5030B/8260B. An equipment blank and a trip blank were also analyzed using the same method to ensure the integrity of both sample collection and laboratory techniques. Laboratory analytical results indicate the presence of tetrachloroethene at a concentration of 18 ug/L in the groundwater sample MW-6 (above the Maximum Contaminant Limit (MCL) of 5 ug/L). The equipment blank and the trip blank results were both reported as being BDL.

The attached Tables and laboratory analytical report summarize the findings.

CONCLUSIONS AND RECOMMENDATIONS

Carbon disulfide was detected in the initial soil sample collected during the installation of groundwater monitoring well MW-5. However, subsequent laboratory analytical results of confirmatory samples [SB-1 (18.5-20'), SB-1 (41.5-42'), SB-2 (18.5-20'), SB-2 (41.5-42')] have indicated the absence of carbon disulfide in the immediate vicinity of MW-5. For this reason, further investigation of a release of carbon disulfide at this site is not recommended.

Laboratory analytical results of the groundwater sample collected form monitoring well MW-6 on September 5, 2000 indicated the presence of tetrachloroethene at a concentration of 28 ug/L (above the MCL of 5 ug/L). A sample was collected December 15, 2000 to confirm the presence of tetrachloroethene at MW-6. Laboratory analytical results of the December 15, 2000 sample from MW-6 confirmed the presence of tetrachloroethene at a concentration of 18 ug/L.

Based on the Rules for Hazardous Site Response 391-3-19-.04, a release of a regulated substance which causes the concentration in groundwater to exceed the naturally-occurring background concentration requires that the property owner notify Georgia Environmental Protection Division (EPD) within 30 days of discovery of the release. Because tetrachloroethene was detected in the groundwater sample collected from monitoring well MW-6 at concentrations that exceed the MCL, it is suspected that a reportable release has occurred at the FFM Main Facility. An initial notification should be made by contacting the

Georgia EPD Hazardous Site Response Program at (404) 657-8600. Additional information can subsequently be submitted by completing the attached Release Notification Form.

Geosciences appreciates the opportunity to be of service to you. If you have any questions concerning this report, or if we can be of further assistance to you, please do not hesitate to call our Albany office at (229) 432-5805.

Sincerely,
GEOSCIENCES, INC.

Alison L. Long
Alison L. Long
Staff Geologist

Keith H. Reaves
Keith H. Reaves, P. E.
Project Engineer
GA Reg No. 25849

Attachments

cc: Mr. Les Oakes - King and Spalding

TABLE 1
Summary of Soil Analytical Data
FFM Main Facility
December 15, 2000
Colquitt, Georgia; Miller County
Geosciences Project No; ALE-00-335A

Well I.D.	Carbon Disulfide (mg/kg)
SB-1 (18.5-20')	BDL
SB-1 (41.5-42')	BDL
SB-2 (18.5-20')	BDL
SB-2 (41.5-42')	BDL
Lab Detection Limit	0.005
HSRA NC	0.005

TABLE 2
Summary of Groundwater Analytical Data
FFM Main Facility
December 15, 2000
Colquitt, Georgia; Miller County
Geosciences Project No: ALE-00-335A

Well I.D.	Tetrachloroethene* (ug/L)
Equip. Blank	BDL
Trip Blank	BDL
MW-6	18
Lab Detection Limit	5
MCL	5

HSRA NC = Notification Requirements under Hazardous Site Response Act (Appendix I)
NE = Not Established
BDL = Below Laboratory Detection Limit
MCL = Maximum Contaminant Level
* Tetrachloroethene = Perchloroethylene or PCE

ACL

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www.advancedchemistrylabs.com

FFM Main Facility

Client: Geosciences, Inc.
3202 Gillionville Road
Albany, GA 31707

Client Project No: ALE-00-335A
ACL Project No: 34287
Date Received: 12-20-00
Date Reported: 12-29-00

Contact: Ms. Alison Long

Carbon Disulfide
(5035/8260B) (mg/kg)

Sample ID	ACL #	Matrix	Result	Det. Limit	Date Analyzed
SB-1 (18.5-20')	163558	Soil	BDL	0.005	12-26-00
SB-1 (41.5-42')	163559	Soil	BDL	0.005	12-26-00
SB-2 (18.5-20')	163560	Soil	BDL	0.005	12-26-00
SB-2 (41.5-42')	163561	Soil	BDL	0.005	12-26-00

John Andros, Lab Manager

BDL = Below Detection Limit

ACL

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www.advancedchemistrylabs.com

Client: Geosciences, Inc.
3202 Gillionville Road
Albany, GA 31707

Contact: Ms. Alison Long

FFM Main Facility
Client Project No: ALE-00-335A
ACL Project No: 34287
Date Received: 12-20-00
Date Reported: 12-29-00

Tetrachloroethene
(5030B/8260B) (µg/liter)

Sample ID	ACL #	Matrix	Result	Det. Limit	Date Analyzed
MW-6	163562	Water	18	5	12-20-00
EQT BLK	163563	Water	BDL	5	12-21-00
TRIP BLK	163564	Water	BDL	5	12-21-00

BDL = Below Detection Limit

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: GEOSCIENCES, INC.

Phone #: (229) 432-5805

Fax #:

Company Address: ALBANY, GA 3202 GILLIONVILLE RD.

Site Location: FFM MAIN FACILITY

Project Manager: A. LONG

Client Project: (#) (Name) ALE-00-335A

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): A. LONG

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	CARBON DISULFIDE	TETRACHLOROETHENE	Remarks
SB-1 (18.5-20')	3		X								X			12/15/00	2:30	X		ICED – PLEASE BILL
SB-1 (41.5-42')	3		X								X			"	3:35	X		ACCORDING TO J. ANDROS
SB-2 (18.5-20')	3		X								X			"	4:22	X		VERBAL QUOTE (11/14/00)
SB-2 (41.5-42')	3		X								X			"	5:15	X		
EQT BLK	2	X									X			"	6:10		X	
TRIP BLK	2	X									X			"	—			
MW-6	2	X									X			"	6:00		X	

Special Detection Limits

Remarks:

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☐

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 34287

Cooler Temp.: 4 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

Relinquished by Sampler:	Date	Time	Received by:
A. Long	12-19-00	5:00PM	J. HUMPHRIES
Relinquished by: [signature]	12-20-00	11:35 am	Received by: [signature]

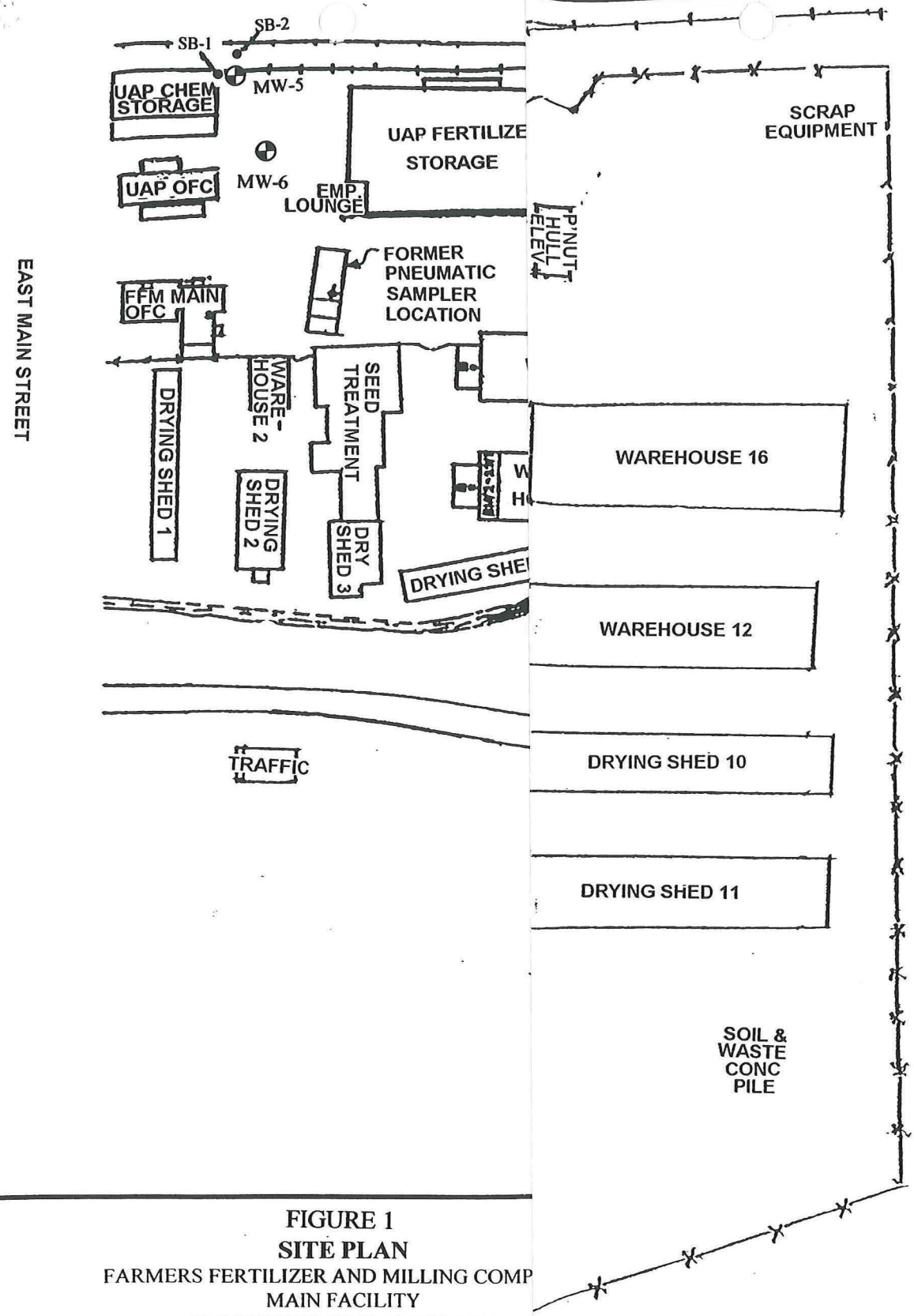


FIGURE 1
SITE PLAN
FARMERS FERTILIZER AND MILLING COMP
MAIN FACILITY
PROJECT NUMBER ALE-00-335A

Geosciences Inc.
Geotechnical, Environmental, and Construction Materials Consultants

N
NO SCALE

APPENDIX F

2001 RELEASE NOTIFICATION FORM

RELEASE NOTIFICATION FORM

HAZARDOUS SITES RESPONSE PROGRAM
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
(Please type or print legibly)

1. The information provided in this form is for:

[ ] Initial Release Notification
[ ] Supplemental Notification

PART I -- PROPERTY INFORMATION

2	EPA ID NUMBER (if applicable)	N/A				
3	Tax Map and Parcel ID Number:	Map C14, Parcel 28				
4	Site or Facility Name	Birdsong Peanut (formerly Farmers Fertilizer and Milling Company)				
5	Site Street Address	608 East Main Street				
6	Site City	Colquitt	County	Miller	Zip	31737
7	Property Owner	Birdsong Peanut (formerly Farmers Fertilizer and Milling Company)				
8	Property Owner Mailing Address	P.O. Box 565				
9	Property Owner City	Colquitt	State	GA	Zip	31737
10	Property Owner Telephone No.	(229) 758-3520				
11	Site Contact Person	Russell Womble	Title	Warehouse Manager		
12	Company Name	Birdsong Peanut				
13	Site Contact Mailing Address	P.O. Box 565				
14	Site Contact City	Colquitt	State	GA	Zip	31737
15	Site Contact Telephone No.	(229) 758-3520				
16	Facility Operator	Gerald Garland	Title			
17	Company Name	Birdsong Peanut				
18	Facility Operator Mailing Address	230 North Bay Street				
19	Facility Operator City	Blakely	State	GA	Zip	31723
20	Facility Operator Telephone No.	(229) 723-3641				

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

GEORGE Y. BIRDSONG — NAME (Please type or print)

CEO — TITLE

Geo Y Birdsong — SIGNATURE

March 14, 2001 — DATE

Revised 5/4/00

PART II -- RELEASE INFORMATION

Please provide the following information for EACH release at the site. If additional space is needed to answer any of the following questions, attach additional pages, as necessary.

1. Source of this release (i.e., drums, tanks, spills, wastepile etc.). Provide specific information on the suspected or known source of the release, including the source of this information:

Source of release is unknown.

2. Release dates(s) and any known information about the history of the release, including the physical state of the material (solid, powder/ash, liquid/gas, sludge) and the quantity of material released (lbs, cubic yards, etc.):

Release date is unknown.

3. Describe those actions that have been taken to investigate, clean up or otherwise remediate this release (e.g., removal of source of contamination; soil or water sampling performed; and monitoring wells installed and sampled).

See attached Insert.

4. Access to the area affected by the release. Check the appropriate box:

[ ] Inaccessible: A 24-hour surveillance system, or a completely closed barrier or fence to prevent entry.
[ ] Limited Access: Less than 24-hour surveillance system, and/or a barrier or fence that is partially open.
[X] Unlimited Access: No surveillance, and no barrier or fence.

If the site is inaccessible or has limited access, then describe site surveillance systems, fences, security personnel or other barriers that would restrict access to the release.

Access to the area affected by the release is limited to some extent by a railroad track immediately to the west.

5. For soil releases, indicate the type of material covering this release, by checking the appropriate box below.

[ ] A permanent or otherwise maintained, essentially impenetrable non-earthen material such as concrete or asphalt
[ ] An engineered and maintained earthen material or compacted fill or a high density synthetic material
[ ] Loose earthen fill or native soil
[ ] No cover
[ ] Other

Describe the type and thickness of the material covering the contaminated soil or wastes.

No release to soil was detected.

PART II -- RELEASE INFORMATION

(Continued)

6. Indicate the approximate distance from the edge of the area affected by the release to the nearest residence, playground, day care, school or nursing home.

[X] Less than 300 feet
[ ] 301 to 1000 feet
[ ] 1001 to 3000 feet
[ ] 3001 to 5280 feet
[ ] Greater than 1 mile

Provide the name and address of the nearest residence, playground, day care, school or nursing home.

Name: Una S Mason

Address: 109 North 4th Street Colquitt, Georgia 31737

Residence is on city water system.

7. Indicate the distance between the area affected by the release and the nearest drinking water well (including wells located on the site).

[X] Less than 0.5 miles
[ ] 0.5 to 1 mile
[ ] 1 to 2 miles
[ ] 2 to 3 miles
[ ] Greater than 3 miles

Provide the name of the property owner and address of the location of the closest drinking water well.

Name: City of Colquitt

Address: 181 South Cuthbert Street Colquitt, Georgia 31737

8. Is there any evidence to suspect that a person or a sensitive environment has been exposed to this release?

[ ] Yes [X] No

If yes, provide details on the potentially affected humans or sensitive environments.

REQUIRED ATTACHMENTS

9. SITE SUMARY

A. Attach a summary (no longer than one page) that gives a general description of the property, the areas affected by the release both within and beyond the property boundaries, and any actions taken to investigate, clean up or otherwise remediate the property. The summary shall include a description of the property boundaries of the site and adjacent properties as well as a detailed description of the nature and known or estimated extent of the area of contamination. Describe any additional relevant information concerning the nature of the release. In addition to the one page summary, other information concerning the property may also be attached.

B. Attach a site map that shows known or suspected sources as well as the locations of all samples collected at the site. The site map should include outlines of buildings as well as covered ground areas (e.g., parking lots or other paved areas). A legend should be provided to explain any symbols used on the map.

10. U.S.G.S. Topographic Map

Along with this form, you MUST submit an original U.S.G.S. topographical map (1:24000) with the geographic center of the site clearly marked. See instructions for information on how to obtain an original of the map on which your site is located.

PART III -- SOIL RELEASE INFORMATION

Please provide the following information for EACH regulated substance released to the soil at the site and submit the laboratory analytical sheets for all samples analyzed from the site. Use additional sheets if necessary.

Regulated Substance	CAS Number	Highest Concentration Detected Between 0-6 Inches	Highest Concentration Detected Between 6-24 Inches	Highest Concentration Detected Greater Then 24 Inches

Specify Units for Concentrations

PART IV -- GROUNDWATER RELEASE INFORMATION

Please provide the following information for EACH regulated substance released to the groundwater at the site and submit the laboratory analytical sheets for all samples analyzed from the site. Use additional sheets if necessary.

Regulated Substance	CAS Number	Highest Detected Concentration (Specify Units)	Sample Depth Below Ground Surface (Feet)
tetrachloroethene	127184	28 ug/L	24.07

SITE SUMMARY

The FFM Main Facility consists of approximately 40 acres located northeast of the intersection of the Georgia Southwestern Railroad and East Main Street (Georgia State Highway 91) in Colquitt, Georgia. Pine Street bisects the site. Pine Street is oriented in an east-west direction, parallel to Main Street. The site location and vicinity are shown in the USGS topographic quadrangle map, "Colquitt, GA". The layout of the property is detailed in Figure 1 (attached).

Information on adjacent properties obtained during the October 13, 1999 Phase I Environmental Site Assessment (ESA) (conducted by Geosciences, Inc. of Albany, Georgia) indicated that a Southern States agricultural chemical facility and peanut buying point is located south of the FFM property, across East Main Street. The Georgia Southwestern Railroad track borders the subject property to the west. Property owned by Tully Oil Company, Inc. is located across the railroad tracks, west of the southern portion of the subject site. The property was once owned by the Roy W. Bush Oil Company and operated as a petroleum bulk storage facility. The facility is no longer in use.

Yates Concrete facility adjoins the property along its northwestern boundary (Figure 1). The Colquitt-Miller County Industrial Park Development Authority currently owns property north and northeast of the facility. The Pert South laboratory adjoins the east side of the subject site. The laboratory conducts various analytical testing of peanuts. The property to the east and southeast is used for residential purposes or is undeveloped.

The subject property is currently used for a number of operations including a peanut buying point, warehouse, and shelling plant. A main office is also located on the property. United Agricultural Products (UAP) leases part of the property for agricultural chemical sales. Prior to the current uses at the subject property, its use is believed to be primarily residential and agricultural. A sawmill was also located on the property at one time.

Three monitoring wells were installed and sampled in August 2000 as part of Phase II investigation work recommended in the October 13, 1999 Phase I ESA. Water levels taken prior to well development indicate a southeast flow of groundwater through the site. The location of the wells is shown in the Site Plan in Figure 1. Groundwater samples were collected from the wells following well development activities on September 5, 2000. Tetrachloroethene was detected in a concentration of 28 micrograms per liter (ug/L) in the sample collected from monitoring well MW-6. A confirmation sample collected on December 15, 2000 indicated tetrachloroethene was present in a concentration of 18 ug/L. Tetrachloroethene was not detected in the groundwater samples from MW-4 or MW-5 during either sampling event or in the soil samples collected during well installation. The source of the contamination and the area affected by the release is unknown.

PART II – RELEASE INFORMATION

3.) Three monitoring wells (MW-4, MW-5, and MW-6) were installed at the site in August 2000 as part of Phase II investigation work recommended in Geosciences Phase I Environmental Site Assessment dated October 13, 1999. Groundwater samples were collected from the wells following well development activities on September 5, 2000. The samples were analyzed for Volatile Organics, Organochlorine Pesticides, Chlorinated Herbicides, and nitrate-nitrogen. Samples from wells MW-5 and MW-6 were also analyzed for Total Arsenic and Polynuclear Aromatic Hydrocarbons (PAHs).

Tetrachloroethene was detected in a concentration of 28 micrograms per liter (ug/L) in the sample collected from MW-6. A confirmation sample collected on December 15, 2000 indicated tetrachloroethene was present in a concentration of 18 ug/L. This sample verified the presence of tetrachloroethene in the groundwater at the site above the Maximum Contaminant Limit (MCL) (5 ug/L). Tetrachloroehtene was not detected in the groundwater samples from MW-4 or MW-5 during the initial sampling event or in the soil samples collected during well installation. The source of the contamination and the area affected by the release is unknown.

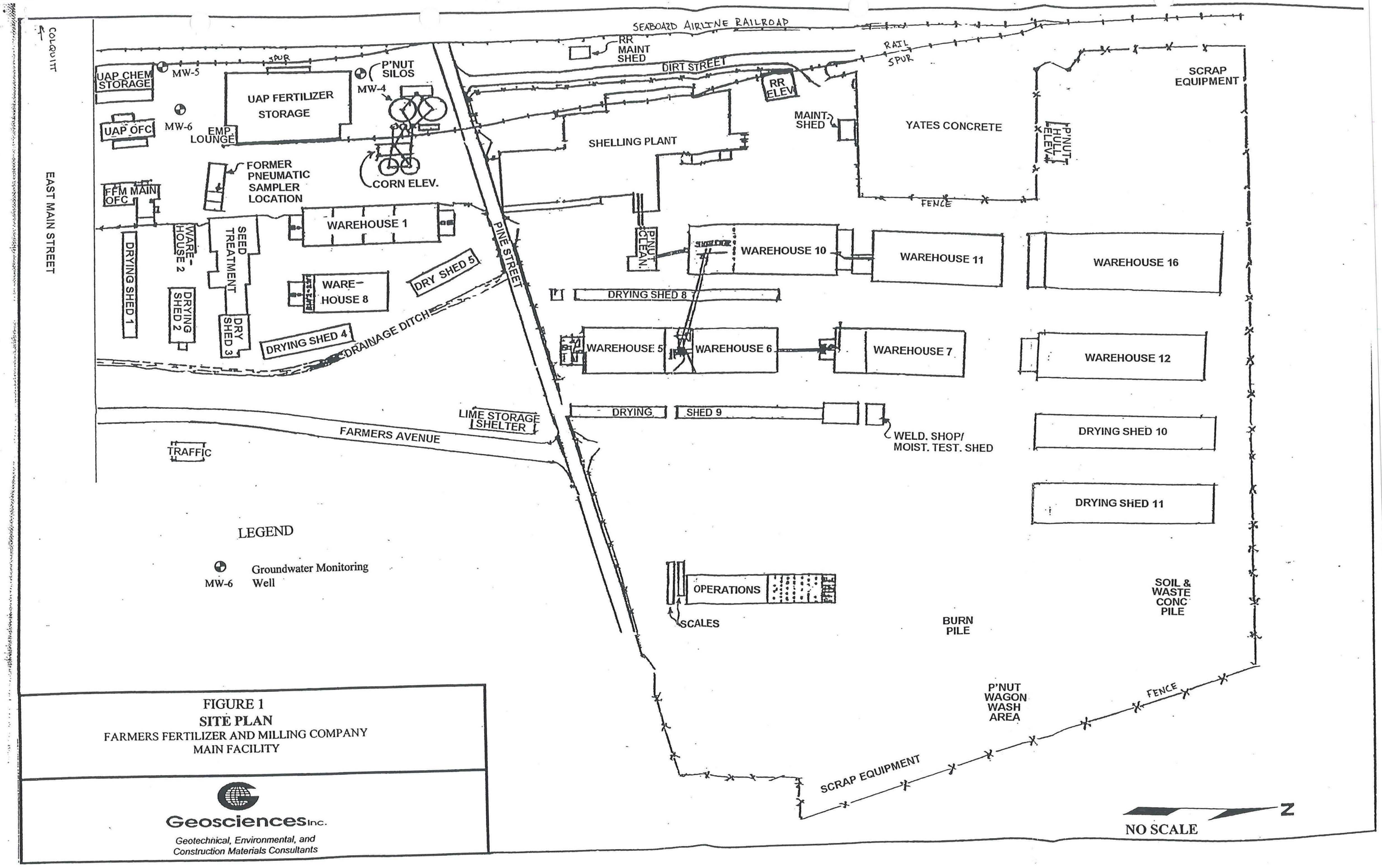


FIGURE 1
SITE PLAN
FARMERS FERTILIZER AND MILLING COMPANY
MAIN FACILITY

Geosciences Inc.
Geotechnical, Environmental, and Construction Materials Consultants

DATE	REVISION	BY

MILLER COUNTY, GEORGIA

CITY OF COLQUITT, GA.

MAP C14

APPENDIX G

2001 CRA SUPPLEMENTAL PHASE II ESA

CONESTOGA-ROVERS
& ASSOCIATES

1351 Oakbrook Drive, Suite 150, Norcross, GA 30093
Telephone: 770.441.0027 Facsimile: 770.441.2050
www.CRAworld.com

October 18, 2001 Reference No. 18283

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Farmer's Feed and Milling Company
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared the following progress report to summarize the Supplemental Phase II Environmental Site Assessment (ESA) conducted at the former Farmer's Feed and Milling Company (Property), now Birdsong Peanut, in Colquitt, Miller County, Georgia. The Property is a peanut buying and shelling facility, located northeast of the intersection of the Georgia Southwestern Railroad and East Main Street (Georgia State Highway 91). Figure 1 illustrates the location of the Property. This report is being provided to you with copies to be provided to Farmer's Feed and Milling and to the Property owner. An additional copy can be provided to you for submittal to the Georgia Environmental Protection Division (EPD).

PREVIOUS INVESTIGATIONS

A limited Phase II Environmental Site Assessment was conducted at the Property by others in August and September 2000. Laboratory analysis of groundwater samples from three monitoring wells installed during the limited ESA detected a reportable quantity of tetrachloroethene (a.k.a. perchloroethene or PCE) in MW-6 (see Figure 2) at 28 µg/l, above its Maximum Contaminant Level (MCL) of 5 µg/l for drinking water. No other volatile organic compounds (VOCs) were detected in the groundwater samples. No VOCs (except for carbon disulfide) were detected during soil sampling at the Property. The carbon disulfide was detected in one soil sample from MW-5 at 0.008 mg/kg, slightly above its laboratory detection limit of 0.005 mg/kg. Subsequent soil sampling conducted for verification in the vicinity of MW-5 did not detect carbon disulfide.

Based on the detection of PCE at a reportable quantity (above background), an Initial Release Notification under the HSRA program was prepared and sent to EPD on March 20, 2001. Subsequent conversations with EPD officials indicated that EPD would delay

its decision whether to list the Property on the Hazardous Site Index pending receipt of additional information on the extent of impact from PCE in Property soils and groundwater.

SUPPLEMENTAL PHASE II ENVIRONMENTAL SITE ASSESSMENT

CRA performed a Supplemental Phase II ESA during the period of July 23 through August 3, 2001. The objective of this ESA was to delineate the extent of impact from PCE in groundwater and to identify what additional effort, if any (e.g., risk assessment or corrective action plan), would be needed to demonstrate that the presence of PCE at the reported concentrations poses no significant risk.

The scope of work for this Supplemental ESA consisted of the following:

i) advancement and sampling (soil and groundwater) of 10 direct-push technology (DPT) borings;

ii) field laboratory analysis of the collected DPT samples for chlorinated VOCs (PCE and its related degradation products; 1,1-dichloroethane, 1,2-dichloroethene, trichloroethene, and vinyl chloride);

iii) installation of 2 shallow monitoring wells and 1 deep monitoring well; and

iv) sampling of the 3 existing wells and the 3 newly-installed wells for analysis for PCE and related degradation products.

The objective of the DPT sampling was to define the extent of contaminant migration by advancing a series of DPT borings radially outward and downgradient of the known impacted area (MW-6). Sample locations for the 10 DPT borings are presented in Figure 2. A field laboratory was used for quick-time analyses, which allowed additional samples to be collected or locations modified, as necessary, based on the field analytical results.

Soil samples were collected continuously until groundwater was encountered in each DPT boring. Samples from each successive two-foot interval in depth were bagged and screened for the potential presence of volatiles with a photoionization detector (PID). A subset of the bagged samples was selected for field laboratory analyses based on PID results, depth, and visual examination. Groundwater samples were also collected from

the base of each DPT boring for analyses. Boring logs for the DPT borings are included in Attachment A. Field laboratory analytical results are included in Attachment B.

Based on the findings of the DPT sampling, the two additional shallow monitoring wells were installed at selected on-site locations (Figure 2). These wells were installed by hollow-stem auger, with a target total depth of 50 feet, dependent on the depth groundwater was first encountered. Actual completion depths of wells MW-8 and MW-9 were 48 feet and 27 feet below ground surface (bgs), respectively.

The two additional shallow monitoring wells are located upgradient and laterally downgradient of the existing monitoring well MW-6 to define by triangulation, in conjunction with the existing "clean" well MW-5, the extent of impacted groundwater in the vicinity of MW-6. The deep well (78 feet) was installed downgradient from the known impacted area to determine if contamination had migrated downward below the first encountered saturated zone, and to define stratigraphy below 50 feet bgs. Boring logs and construction details for the new monitoring wells and existing wells are included in Attachment A.

Each of the three new monitoring wells has a 2-inch I.D. PVC casing, with a 5-foot long factory-slotted screen. The wells were completed with a lockable, flush-mount protective cover and concrete pad. The wells were developed by pumping sediment-laden water with a submersible PVC pump. Development was considered complete when turbidity had been minimized, indicator parameters had stabilized, and at least 5 well volumes (or a maximum of 50 gallons) had been removed.

RESULTS

SOIL SAMPLING

Local shallow stratigraphy, as defined by the investigations conducted at the Property, consists of undifferentiated sands, clays, and discontinuous weathered limestones to a depth of approximately 80 feet. Depth to competent bedrock has not been determined at the Property, but is probably within 100 feet of land surface. Two discrete and discontinuous, weathered limestone horizons have been encountered at the Property. A shallow weathered limestone at 14 to 20 feet bgs was encountered only on the northern portion of the Property in two wells (MW-4 and MW-9) and in four DPT borings (BH-3,

BH-4, BH-6, and BH-8). A deeper limestone horizon was encountered at 44, 54, and 40 feet bgs in MW-5, MW-6, and MW-8, respectively. A cross-section showing the Property stratigraphy (location shown on Figure 3) is presented on Figure 4.

Analytical results of the soil samples from the DPT borings detected the presence of PCE in only 3 of the 22 samples (see Table 1 and Figure 4). PCE was detected at concentrations of 28 µg/kg, 7.5 µg/kg, and 21.3 µg/kg in samples from borings BH-3, BH-6, and BH-8, respectively; all three samples were from below 19 feet bgs. These same 3 DPT borings were also the only borings to contain detected concentrations of PCE in the groundwater samples (see following section). No other chlorinated VOC was detected in any soil sample.

GROUNDWATER SAMPLING

During both the limited and supplemental ESAs, groundwater was first encountered in each borehole at the first major lithologic change (first limestone horizon beneath sandy clay). These saturated zones are confined, and depending on depth of encounter, water levels rose from 4 feet (shallow limestone horizon) to 25 feet (deeper limestone horizon) above the top of the limestone. The shallow and deeper limestone horizons apparently are not hydraulically connected, as evidenced by an approximate 12-foot difference in respective potentiometric levels (see Table 2).

Groundwater flow direction in the deeper limestone horizon, as determined by water level measurements taken in wells MW-5, MW-6, and MW-8, is to the north (Figure 5). Although a flow direction in the shallower limestone cannot be determined with only two data points, the general trend in flow direction appears to be opposite to that within the deeper horizon (i.e., southerly).

Analytical results of the groundwater samples from the DPT borings detected concentrations of PCE at 108 µg/L, 23 µg/L, and 118 µg/L, in only 3 of the 22 DPT samples (see Table 3 and Figure 6). These samples were collected from borings BH-3, BH-6, and BH-8, the same DPT borings that contained detected concentrations of PCE in the deeper soil samples.

Subsequent sampling of the monitoring well network showed detectable concentrations of PCE (see Table 3 and Figure 6) in only 2 wells, MW-5 (8.8 µg/L) and MW-6 (23 µg/L).

Monitoring well MW-5 had previously shown no detectable concentrations of PCE during the limited ESA.

CONCLUSIONS

Based on the previous limited ESA and the data collected by CRA for this Supplemental Phase II ESA, the following conclusions were drawn:

1. Analytical results of all soil and groundwater samples have detected the presence of one regulated substance (PCE) in soil and groundwater. No degradation products associated with PCE or any other VOCs have been detected on the Property.
2. Site Investigation results indicate that the PCE-impacted zone is of limited extent both laterally (within an approximate 100-foot radius) and at depth (from 20 to 50 feet bgs). The impacted area is delineated roughly by monitoring wells MW-8, MW-5, MW-9, and boring BH-10, with the center roughly in the vicinity of BH-3. The shallow weathered limestone horizon encountered in MW-4 and MW-9 does not show any impact from PCE, nor does the deeper groundwater zone encountered in MW-7D.
3. Concentrations of PCE are slightly above the HSRA Soil Notification Concentration of 18 µg/kg in two soil samples from BH-3 and BH-8, taken at depth (only). This suggests that the detection of PCE in the soil samples is a result of migration of dissolved PCE in shallow groundwater or vapor phase, and does not infer a soil impact zone.
4. The groundwater concentrations of PCE detected in borings BH-3, BH-6, BH-8, and wells MW-5 and MW-6 are all above Georgia HSRA default cleanup standards for groundwater (Appendix III Table 1, Groundwater Criteria; equivalent to MCL). The area of groundwater impact appears to be limited to the southwestern portion of the Property, within a (roughly) 100-foot radius.
5. Groundwater flow direction within the impacted deeper limestone horizon is to the north. Groundwater flow within the principal artesian aquifer, which is the main source of municipal groundwater in southwest Georgia, is to the south (Mitchell, 1981, Georgia Geologic Survey Information Circular 58).
6. Although a source area was not detected, during the Property activities CRA was led to understand by current employees at the Property that a small shed formerly

located in the vicinity of the DPT boring BH-3 had been used for small parts repair, and could have used degreasing agents. This could represent the potential source of PCE. Based on the limited soil impact identified (all at depth), the small groundwater impact area, and the relatively low detected PCE groundwater concentrations, the release was likely small in volume.

DISCUSSION

Although an Initial Release Notification under the HSRA program was prepared and sent to EPD on March 20, 2001, EPD asked for additional data to be provided. A formal determination of whether or not a release exceeding a reportable quantity has occurred will then be made by the EPD, based on the data produced from the limited and supplemental ESAs, in accordance with their Reportable Quantities Screening Method (RQSM). The RQSM procedure evaluates mathematically the potential exposure through both soil (on-site) and groundwater pathways. Sites that exceed a threshold score for either or both will be listed on the Hazardous Site Inventory (HSI). Once listed on the HSI, a site will not be delisted until it has been determined that the site meets appropriate (Type 1, Type 2, Type 3) Risk Reduction Standards (RRSs). This process requires the performance of a Compliance Status Report (CSR), and possible corrective action to attain the appropriate RRSs.

CRA has estimated that the RQSM groundwater pathway score for the Property will likely exceed the groundwater threshold (14.2 versus 10). If a CSR is produced using the current data, it does not appear that the Property complies with the applicable RRSs. The extenuating factor will be the close proximity of the municipal well to the west (approximately 900 feet). Even though the detection of PCE in MW-5 on the western property boundary is at a low concentration of 8.8 μg/L, just above the detection limit of 5 μg/L, we believe that EPD could at a minimum require monitoring of the groundwater for an extended period of time.

CRA believes that it would be worthwhile to discuss with EPD the possibility of performing an accelerated initial corrective response, such as chemical injection in the impacted area, before the formal determination of listing on the HSI is made. The impacted area is of limited size with a low magnitude of PCE concentrations, suggesting

that such an approach may be worthwhile. Even if an agreement is not reached that would avoid HSI listing, this option may be worth considering.

If you should have any questions, please do not hesitate to contact the undersigned at (770) 441-0027.

Yours truly,

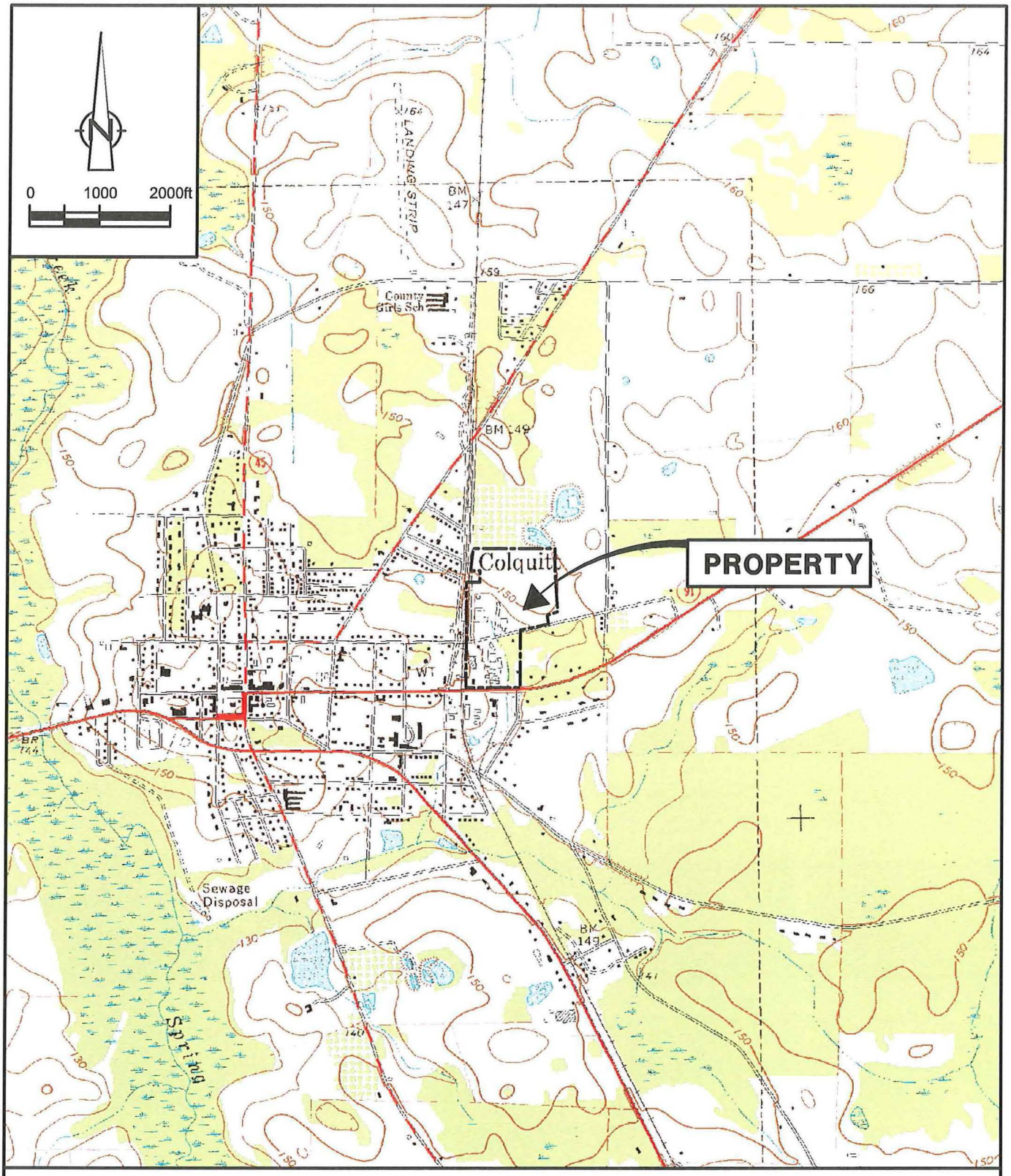
CONESTOGA ROVER & ASSOCIATES

Thomas A. Lawrence, PG

Robert T. Pyle

TAL/tl/2
Encl.

Cc: Gary Rindner, Esq.
Cc: Bob Norman, Esq.



SOURCE: USGS QUADRANGLE: COLQUITT, GA (1974)

figure 1

PROPERTY LOCATION MAP
FARMER'S FEED AND MILLING CO.
Colquitt, Georgia

18283-01(OAKE002)GN-AT001 SEP 14/2001

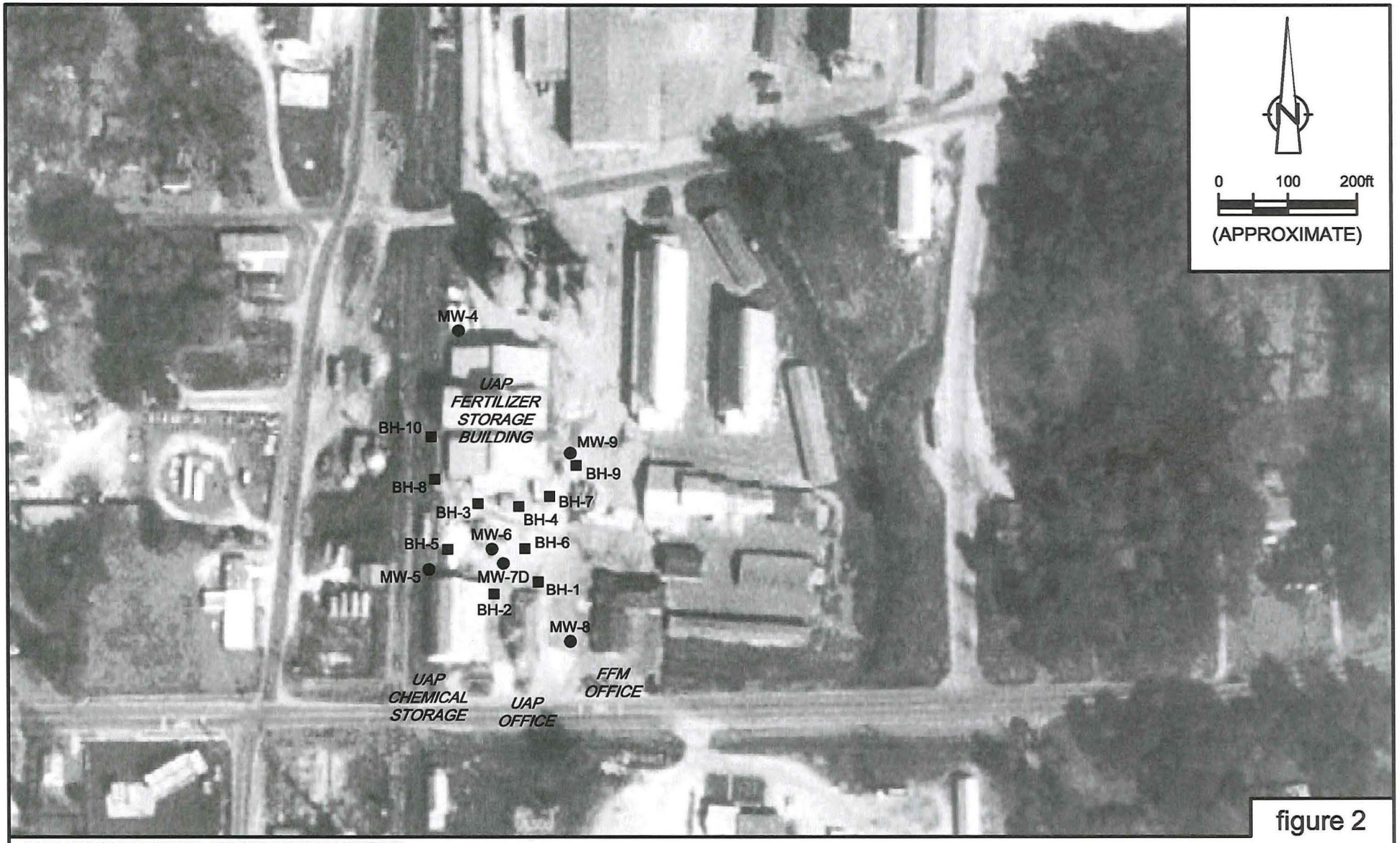


figure 2

AERIAL PHOTOGRAPH SOURCE: MICROSOFT TERRASERVER/USGS

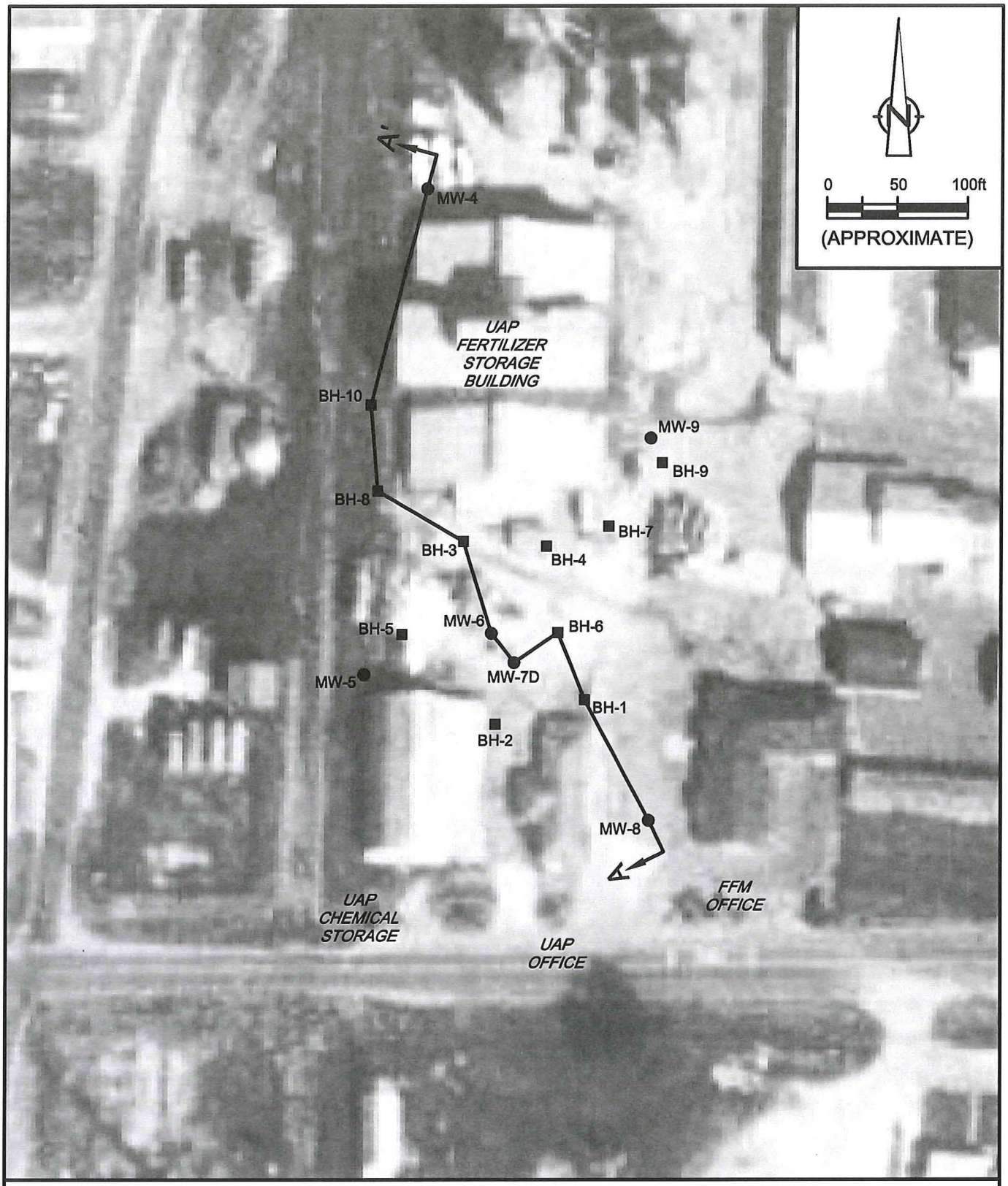
LEGEND

MW-5 MONITORING WELL LOCATION

BH-1 BOREHOLE LOCATION

PROPERTY PLAN
BIRDSONG PEANUT PLANT
FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE002)GN-AT002 SEP 14/2001



AERIAL PHOTOGRAPH SOURCE: MICROSOFT TERRASERVER/USGS

figure 3

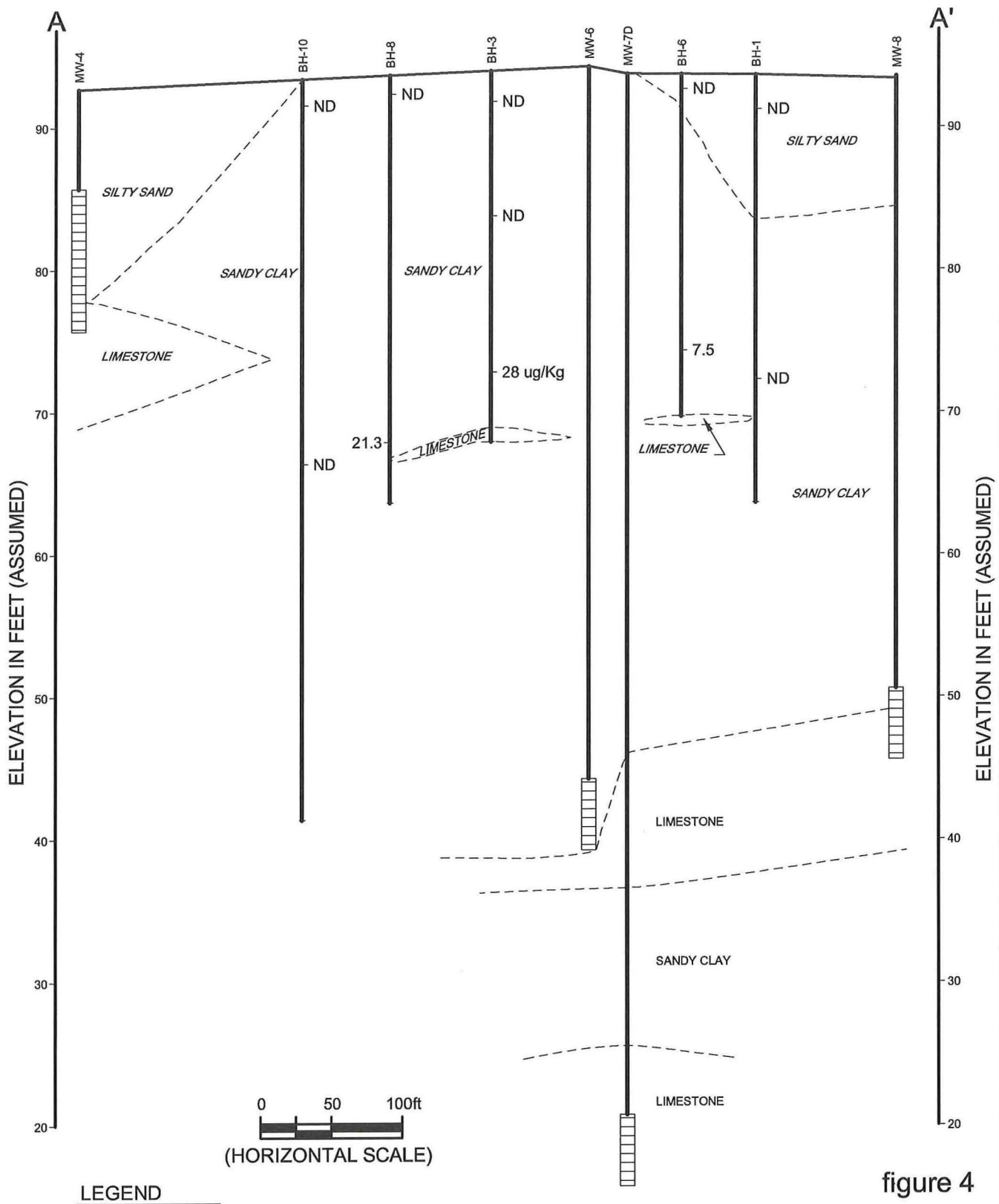
CROSS SECTION LOCATION PLAN
BIRDSONG PEANUT PLANT
FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

LEGEND

MW-5 MONITORING WELL LOCATION

BH-1 BOREHOLE LOCATION

18283-01(OAKE002)GN-AT003 SEP 17/2001



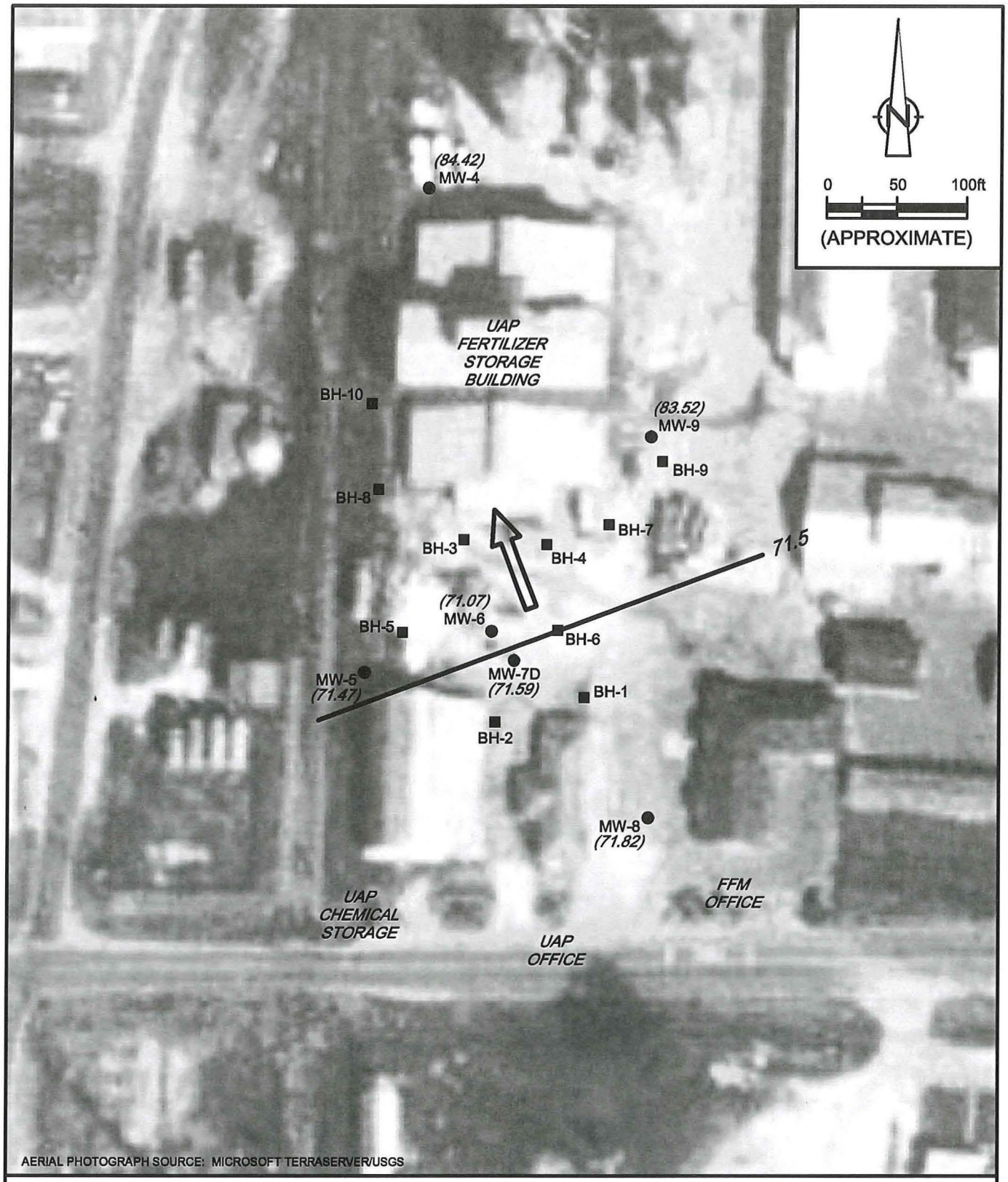
LEGEND

28 ug/Kg = PCE IN SOIL SAMPLE

figure 4

CROSS SECTION A-A'
BIRDSONG PEANUT PLANT
FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE002)GN-AT004 SEP 17/2001



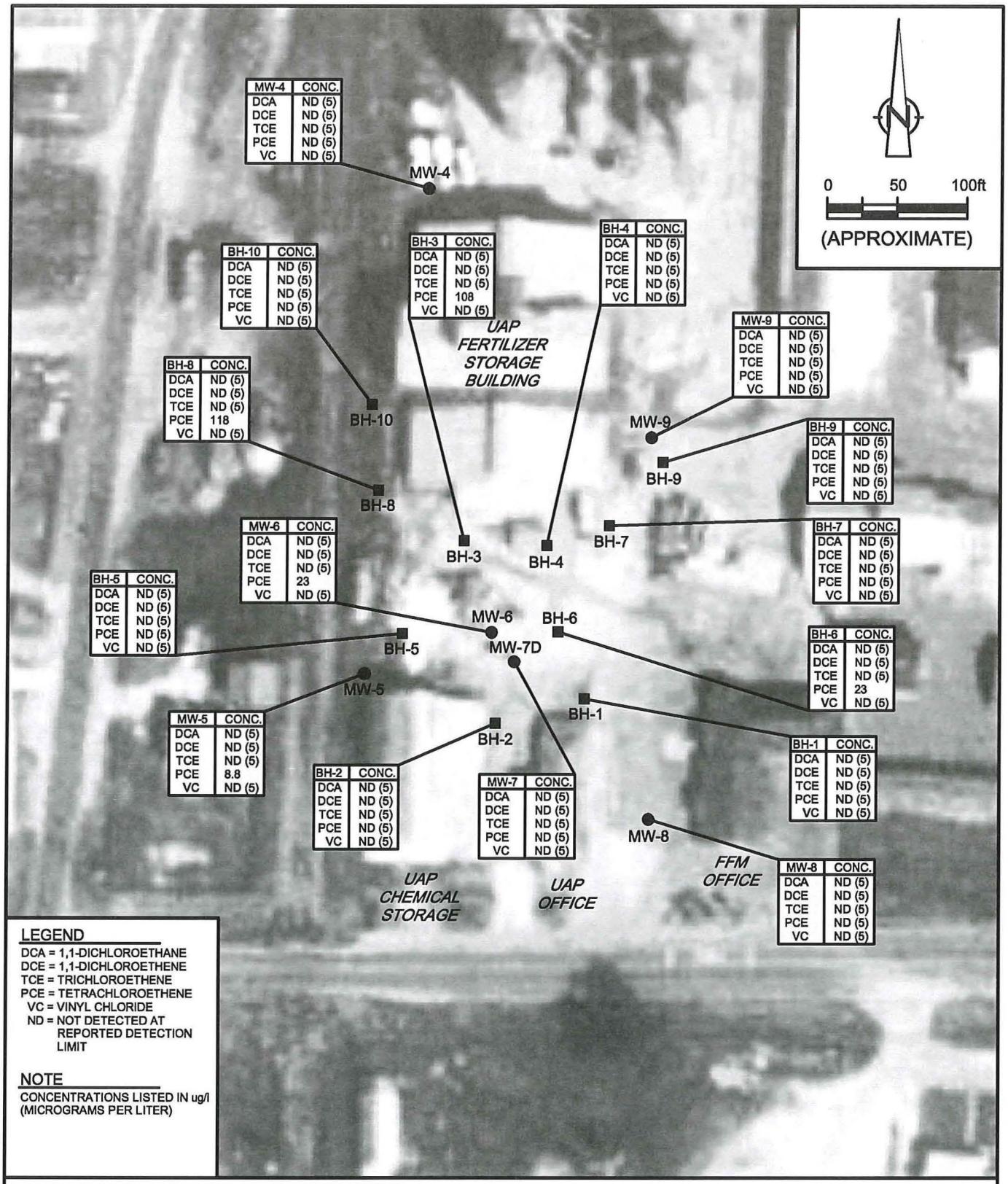
LEGEND

● MW-5	MONITORING WELL LOCATION
■ BH-1	BOREHOLE LOCATION
(729.76)	GROUNDWATER ELEVATION (ftAMSL)
730	GROUNDWATER CONTOUR AND ELEVATION (ft AMSL)
⇦	GROUNDWATER FLOW DIRECTION

figure 5

POTENTIOMETRIC MAP
BIRDSONG PEANUT PLANT
FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE002)GN-AT005 SEP 17/2001



MW-4	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

BH-10	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

BH-3	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	108
VC	ND (5)

BH-4	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

MW-9	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

BH-8	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	118
VC	ND (5)

BH-9	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

MW-6	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	23
VC	ND (5)

BH-7	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

BH-5	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

BH-6	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	23
VC	ND (5)

MW-5	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	8.8
VC	ND (5)

BH-1	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

BH-2	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

MW-7	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

MW-8	CONC.
DCA	ND (5)
DCE	ND (5)
TCE	ND (5)
PCE	ND (5)
VC	ND (5)

AERIAL PHOTOGRAPH SOURCE: MICROSOFT TERRASERVER/USGS

figure 6

CONCENTRATIONS IN GROUNDWATER
BIRDSONG PEANUT PLANT
FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE002)GN-AT006 SEP 14/2001

TABLE 1
SUMMARY OF DPT SOIL SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

DPT Boring	Sample Depth (ft)	DCA (ug/kg)	DCE (ug/kg)	TCE (ug/kg)	PCE (ug/kg)	VC (ug/kg)
BH-1	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	4	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	21	ND (5)	ND (5)	ND (5)	28	ND (5)
BH-4	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-5	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	22	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	19.5	ND (5)	ND (5)	ND (5)	7.5	ND (5)
BH-7	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	15	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	25.5	ND (5)	ND (5)	ND (5)	21.3	ND (5)
BH-9	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	17.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	27	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
NCs		3	360	130	18	40

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
NC = Notification Concentrations (from GA391-3-19 Appendix I Soil Concentrations that Trigger Notification)

TABLE 2
MONITORING WELL DATA
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well No.	Depth to Screen (ft bgs)	Screened Interval (elev in ft)	TOC Elevation (ft)	Depth to Water (ft bTOC)	Water Elevation (ft)
MW-4	7 - 17	86 - 76	92.70	8.28	84.42
MW-5	40 - 45	56 - 51	95.57	24.10	71.47
MW-6	50 - 55	45 - 40	94.26	23.19	71.07
MW-7d	73 - 78	21 - 16	93.75	22.16	71.59
MW-8	43 - 48	51 - 46	93.57	21.75	71.82
MW-9	17 - 27	76 - 66	92.85	9.33	83.52

Note:

TOC (Top of Casing) elevations referenced to arbitrary project benchmark of 100.00 ft

bgs = below ground surface

bTOC = below TOC

TABLE 3
UMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULT
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	DCA (ug/L)	DCE (ug/L)	TCE (ug/L)	PCE (ug/L)	VC (ug/L)
BH-1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	ND (5)	ND (5)	ND (5)	108	ND (5)
BH-5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	ND (5)	ND (5)	ND (5)	23	ND (5)
BH-7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	ND (5)	ND (5)	ND (5)	118	ND (5)
BH-9	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-4	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	ND (5)	ND (5)	ND (5)	8.8	ND (5)
MW-6	ND (5)	ND (5)	ND (5)	23	ND (5)
MW-7D	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
GC	4000	7	5	5	2

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
GC = Groundwater Criteria (HSRA default cleanup standards for groundwater, Appendix III Table 1)

ATTACHMENT A

SOIL BORING AND WELL LOGS

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft):
DRILLING METHOD: HSA

PAGE 1 OF 1
BORING NO: MW-4
DATE: 8/28/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Topsoil and grass						Flush mount 8" diameter manhole cover and vault. 8.5 feet of 2" diameter PVC riser Borehole annular space grouted with portland cement/3-5% bentonite powder slurry 3/8" bentonite pellets at 4.1' bls 10/30 sand at 5.9' bls 10 feet of 2" diameter 0.01"machine-slotted PVC screen (at 7.5' bls) Well set at 17.5' bls
	White to 10YR 6/8 brownish-yellow, fine-grained sand and silt			27			
8	5Y 7/1 light gray, dry, fine-grained, consolidated sand and silt			67			
	2.5Y 4/1 dark gray sand and silt in top 5"			50/4			
16	White, weathered limestone in bottom 3"						
	Same strata as above			15			
24	Same as above strata in top 4"			17			
	10YR 5/8 yellowish-brown and light gray mottled clay						
	Boring Terminated at 25 feet.						
	GW Enc. at 9.58 feet 24 hours after drilling						
32							
40							
48							
56							

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

BORING NO: MW-5
DATE: 8/29/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Topsoil and grass						Flush mount 8" diameter manhole cover and vault
	10R 6/8 brownish-yellow, light gray, and 2.5YR 4/4 reddish-brown, mottled, very stiff, sandy clay			23			Borehole annular space grouted with portland cement/3-5% bentonite powder slurry
8	Same strata as above except contains more light gray, very stiff			30			
	Dry, same strata as above; 5Y 8/1 white mottles dominant			29			40' of 2" diameter PVC riser
16	Same as above mottled, tricolor clay			27			
24	Same as above strata, moist			27			
	Same strata as above, predominantly reddish-brown and brownish-yellow mottles with little white			21			
32	10YR 5/8 yellowish-brown clay; bottom 2" contains dark yellowish-brown 10YR 4/4 clasts			29			3/8" bentonite pellets at 34.7' bls 10/30 sand at 37.5' bls
40	Same clast-containing clay as above; moist			15			
	Same strata as above in top 4"; saturated			40			5' of 2" diameter 0.01" machine-slotted PVC screen (to 40' bls) Well set at 45' bls
	Friable, white limestone and clay in bottom 14"						
48	Boring Terminated at 45 feet.						
	GW Enc. at 29.80 feet 24 hours after drilling						
56							

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft):
DRILLING METHOD: HSA

BORING NO: MW-6
DATE: 8/29/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Asphalt						Flush mount 8" diameter manhole cover and vault Borehole annular space grouted with portland cement/3-5% bentonite powder slurry
	Very stiff, 7.5YR 5/8 strong brown sandy clay			9			
	Same as above clay except lighter in color 10YR 7/4 very pale brown			14			
8	Dry, light gray and 10YR 6/8 brownish-yellow mottled, sandy clay			14			
	Very stiff, same as above sandy clay, prdominantly light gray			18			50' of 2" diameter PVC riser
16	Moist, same strata as above			15			
24	Top same as above strata; bottom 7" has more sand and water content and is 7.5YR 7/8 reddish-yellow in color			15			
	Moist, 10YR 5/6 to 5/8 yellowish-brown sandy clay			13			
32	Moist, same as above in top 6"			9			
	Bottom 12" Very Stiff, 10YR 8/6 yellow, light gray, and 10R 6/3 pale red, mottled, fine-grained clay						
40	Same strata as above			10			
	Same strata as above becoming darker and more uniform in color. 10YR 5/6 yellowish-brown in bottom 7" of spoon.			4			3/8" bentonite pellets at 45.1' bls
48	Same strata as above in top 10"; sandy clay containing clasts in bottom 3"			WOR			10/30 sand at 47.3' bls 5' of 2" diameter 0.01" machine-slotted PVC screen (at 50' bls)
	Same clay containing clasts n top 4" of sample			19			
56	Friable, white limestone in bottom 5" of sample						Well set at 55' bls
	Boring Terminated at 55 feet.						
	GW Enc. at 28.46 feet 24 hours after drilling						

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-1
DATE COMPLETED: JULY 16, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	SM-SAND and SILT (NATIVE), black, moist, organic		2"Ø BOREHOLE BENTONITE CHIPS				
2.5				1DP		--	5.0
5.0		*-5.5*					
	SM-SILT and SAND, tan, moist			2DP		--	3.8
7.5	- sand grades into clay						
10.0		*-10.0*		3DP		--	2.0
	CL-CLAY, stiff, tan, moist						
12.5	- orange brown clay						
				4DP		--	2.4
15.0							
17.5				5DP		--	2.6
20.0							
22.5				6DP		--	2.5
	- saturated seam						
25.0							
27.5				7DP		--	--
30.0		*-30.0*					
	END OF HOLE @ 30.0ft BGS						
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-2
DATE COMPLETED: JULY 16, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY and SAND (NATIVE), moist		2"Ø BOREHOLE				
-2.5				1DP		--	1.3
	CL-CLAY, very stiff, red/white/brown, moist	*-3.0*	BENTONITE CHIPS				
-5.0				2DP		--	1.2
-7.5							
-10.0				3DP		--	--
-12.5	CL-CLAY, some sand, very stiff, white/red, moist	*-12.0*		4DP		--	1.8
-15.0	- moisture increasing						
-17.5	- some loose sand lenses			5DP		--	1.8
-20.0				6DP		--	2.0
-22.5	SM/CL-SAND and CLAY, saturated, alternated layering - saturated zone of (SM)	*-21.0*		7DP		--	--
-25.0				8DP		--	--
	END OF HOLE @ 26.0ft BGS	*-26.0*					
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-3
DATE COMPLETED: JULY 16, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY (ALLUVIUM)	*-1.0*	2"Ø BOREHOLE				
-2.5	CL-CLAY (NATIVE), silt and sand, medium soft, moist	*-3.0*	BENTONITE CHIPS	1DP		--	2.1
	CL-CLAY and SAND, stiff, brown and red mottled, moist	*-4.0*					
-5.0	CL-CLAY and SAND, very stiff, gray and red mottled, moist			2DP		--	2.5
-7.5							
-10.0				3DP		--	1.6
-12.5				4DP		--	2.2
-15.0	- 1" lense of loose sand			5DP		--	2.7
-17.5				6DP		--	2.7
-20.0	- saturated			7DP		--	--
-22.5							
-25.0		*-25.5*		8DP		--	--
	WEATHERED ROCK	*-26.0*					
	END OF HOLE @ 26.0ft BGS						
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-4
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY/SAND/SILT (FILL)	*-1.2*	2"Ø BOREHOLE BENTONITE CHIPS	1DP		--	1.2
-2.5	CL-CLAY and SAND (NATIVE), very stiff, gray and red, moist						
-5.0				2DP		--	1.4
-7.5	CL-CLAY and SAND, soft, tan, moist	*-6.7*					
-10.0	CL-CLAY, soft, saturated	*-9.2*		3DP		--	5.2
	WEATHERED ROCK	*-10.0*					
	END OF HOLE @ 11.0ft BGS	*-11.0*					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-5
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
-2.5	CL-CLAY and SAND (FILL), soft, tan, mosit, strong ammonia odor		2"Ø BOREHOLE BENTONITE CHIPS	1DP		--	71.2
-5.0	CL-CLAY and SAND (NATIVE), very stiff, gray brown mottled, low to moderate moisture	*-5.0*		2DP		--	17.1
-7.5							
-10.0				3DP		--	11.9
-12.5	- moisture increasing			4DP		--	8.6
-15.0	- very moist to saturated			5DP		--	4.9
-17.5				6DP		--	3.1
-20.0							
-22.5				7DP		--	1.8
-25.0				8DP		--	1.1
	END OF HOLE @ 26.0ft BGS	*-26.0*					
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-6
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	SM-SAND and SILT (FILL), loose, dark gray, moist		2"Ø BOREHOLE				
		-1.8	BENTONITE CHIPS				
-2.5	CL-CLAY and SAND (NATIVE), stiff, gray and brown, moist			1DP		--	1.2
-5.0				2DP		--	0.3
-7.5	- sand decreasing						
				3DP		--	--
-10.0	CL-CLAY, very stiff, little to no sand, red brown gray mottled, moist						
				4DP		--	0.0
-12.5							
				5DP		--	0.0
-15.0	- very moist						
-17.5				6DP		--	0.0
	CL-CLAY, with saturated sand zones throughout	*-18.0*					
-20.0				7DP		--	--
-22.5				8DP		--	--
	AUGER REFUSAL, END OF HOLE @ 24.0ft BGS	*-24.0*					
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-7
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY/SILT/SAND (FILL)	*-1.0*	2"Ø BOREHOLE BENTONITE CHIPS				
	CL-CLAY and SAND (NATIVE), stiff, gray and brown, moist			1DP		--	0.0
-2.5							
-5.0				2DP		--	0.0
-7.5							
-10.0				3DP		--	0.0
-12.5	- 4" zone loose sand and clay, very moist .L-16 CL-CLAY and SAND, soft, saturated, alternating layers			4DP		--	0.0
-15.0		*-16.0*		5DP		--	--
-17.5							
-20.0				6DP		--	--
-22.5	END OF HOLE @ 22.0ft BGS	*-22.0*					
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-8
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY and SAND (FILL), moderately stiff, brown, moist		2"Ø BOREHOLE BENTONITE CHIPS	1DP		--	--
-2.5							
-5.0				2DP		--	--
-7.5	CL-CLAY/SAND/SILT (NATIVE), brown, low moisture	*-7.0*		3DP		--	0.0
-10.0	CL-CLAY, trace sand, stiff, gray brown mottled, moist	*-10.0*		4DP		--	0.0
-12.5							
-15.0				5DP		--	0.0
-17.5				6DP		--	--
-20.0				7DP		--	0.0
-22.5				8DP		--	0.0
-25.0				9DP		--	0.0
-27.5	- trace gravel - saturated			10DP		--	--
-30.0	END OF HOLE @ 30.0ft BGS	*-30.0*					
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-9
DATE COMPLETED: JULY 18, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	SM-SAND and SILT (FILL), trace clay, tan, moist	*-1.5*	2"Ø BOREHOLE				
-2.5	CL-CLAY (NATIVE), some sand and silt, stiff, tan, moist		BENTONITE CHIPS	1DP		--	0.0
	- gray and red mottled						
-5.0				2DP		--	0.0
-7.5				3DP		--	0.0
-10.0	- moisture increasing						
				4DP		--	--
-12.5							
-15.0				5DP		--	--
-17.5				6DP		--	--
-20.0	END OF HOLE @ 19.5ft BGS	*-19.5*		7DP		--	--
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-10
DATE COMPLETED: JULY 18, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
-2.5 -5.0	CL-CLAY and SAND (ALLUVIUM), soft, brown, moist - stiff		2"Ø BOREHOLE BENTONITE CHIPS	1DP 2DP		-- --	0.0 0.0
-7.5	CL-CLAY (NATIVE), some sand, very stiff, brown, low moisture	*-7.0*		3DP		--	0.0
-10.0 -12.5 -15.0 -17.5 -20.0	CL-CLAY, trace sand, gray brown mottled, moist	*-10.0*		4DP 5DP 6DP 7DP		-- -- -- --	0.0 0.0 0.0 0.0
-22.5 -25.0 -27.5 -30.0 -32.5	CL-CLAY and SAND - very moist -saturated	*-22.0*		8DP 9DP 10DP 11DP		-- -- -- --	0.0 -- -- --

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-10
DATE COMPLETED: JULY 18, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
			2"Ø BOREHOLE	12DP		--	--
-37.5	END LOG 37ft	-37.0					
			BENTONITE CHIPS	13DP		--	--
-40.0							
				14DP		--	--
-42.5							
-45.0				15DP		--	--
-47.5				16DP		--	--
-50.0				17DP		--	--
-52.5	END OF HOLE @ 52.0ft BGS	-52.0		18DP		--	--
-55.0							
-57.5							
-60.0							
-62.5							
-65.0							
-67.5							

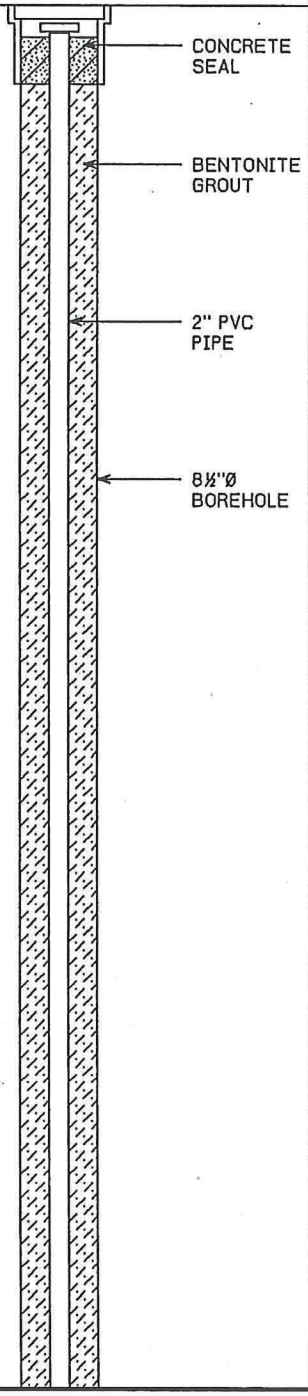
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-7D
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA/MUD ROTARY
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	*94.0* *93.75*					



2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0
27.5
30.0
32.5

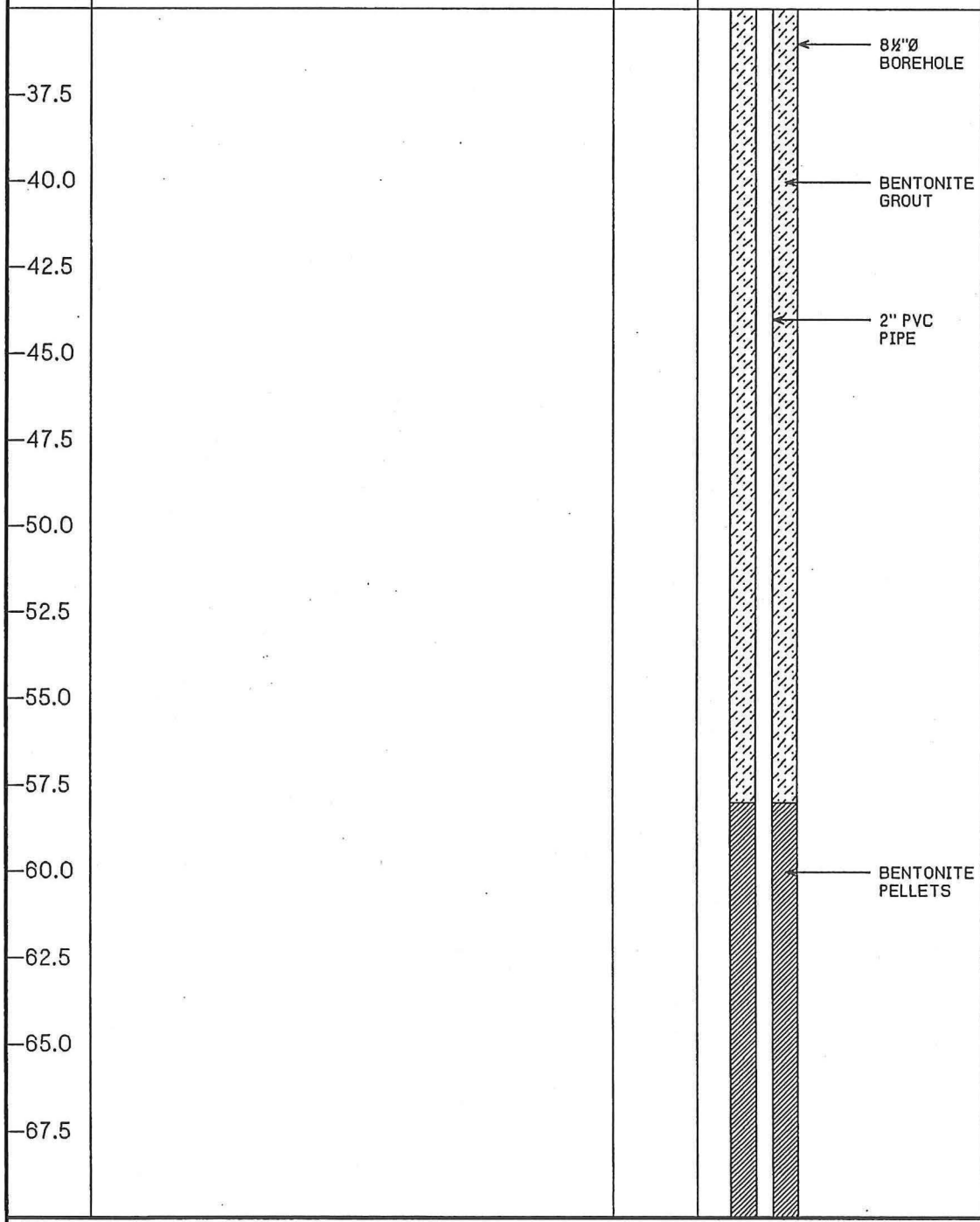
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-7D
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA/MUD ROTARY
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)

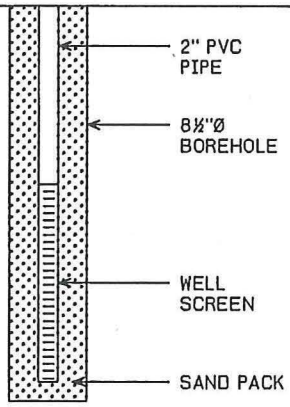


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-7D
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA/MUD ROTARY
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
72.5							
75.0							
77.5							
80.0	END OF HOLE @ 80.0ft BGS	14.0	SCREEN DETAILS Screened Interval: 74.5 to 79.5ft BGS Length: 5.0ft Diameter: 2" Slot Size: #10 Material: PVC Sand Pack: 70.0 to 80.0ft BGS Material: #10/30 Sand and Natural Sand				
82.5							
85.0							
87.5							
90.0							
92.5							
95.0							
97.5							
100.0							
102.5							

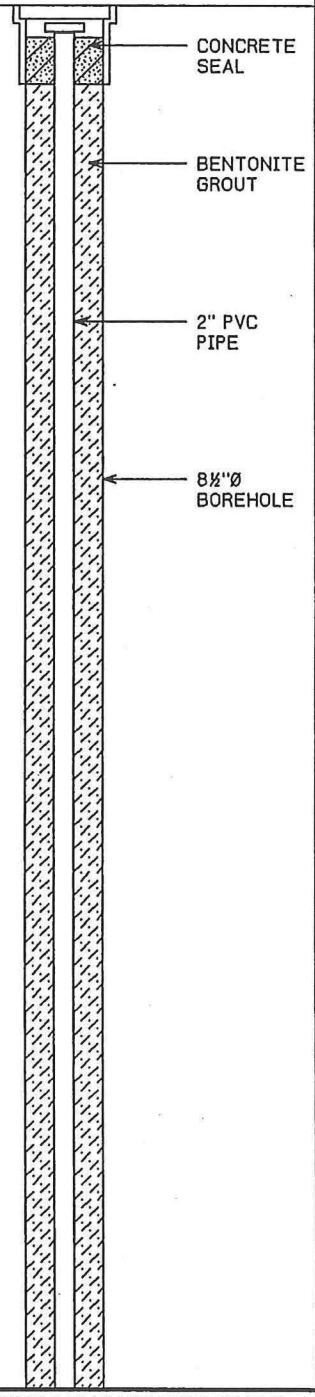
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-8
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	*93.8* *93.57*					



-2.5
-5.0
-7.5
-10.0
-12.5
-15.0
-17.5
-20.0
-22.5
-25.0
-27.5
-30.0
-32.5

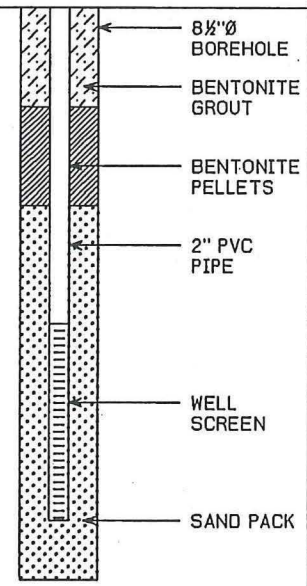
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-8
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
37.5							
40.0							
42.5							
45.0							
47.5							
50.0							
52.5							
55.0							
57.5							
60.0							
62.5							
65.0							
67.5							



SCREEN DETAILS
Screened Interval:
43.0 to 48.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
40.0 to 49.5ft BGS
Material: #10/30 Sand

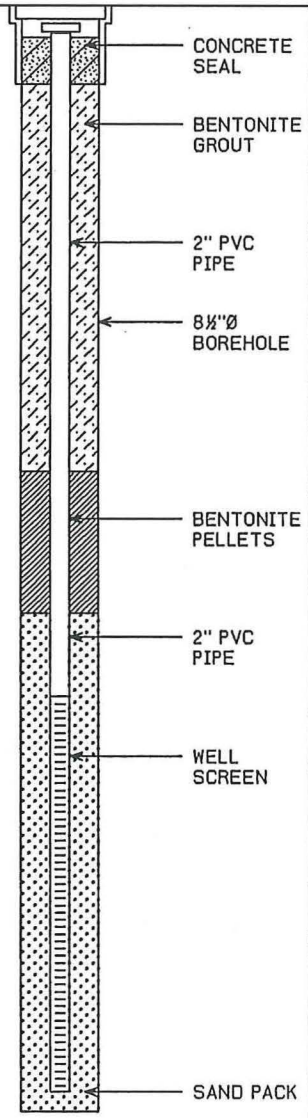
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-9
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	*93.1* *92.85*					



2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0
27.5
30.0
32.5

SCREEN DETAILS
Screened Interval:
17.5 to 27.5ft BGS
Length: 10.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
15.4 to 28.0ft BGS
Material: #10/30 Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

Case Narrative

Client Information:

Client: **Conestoga Rover Associates**
1351 Oakbrook Drive
Norcross, GA 30093
Project Mgr: Thom Lawrence

Client Project Information:

Project: Birdsong Peanut
Project No.:
Collected by:

Laboratory Project Information:

Lab Number: 4-010558
Date Collected: 7/16-18/01
Date Received: 7/16-18/01

Case Summary:

1) Samples were received in good condition and between 0 and 4°C.
2) Samples were analyzed following current EPA Methodologies and the standards of NELAP.
3) No QA/QC problems were encountered during the analysis of the samples.

Data Approved by: Phillip Hathcock Date: 7/21/01
Phillip Hathcock
Laboratory Technical Director

ESN Southeast is certified/approved to conduct environmental analytical testing in the following states:
California #2121, Florida #990184, Tennessee, Alabama, Georgia.
ESN Southeast adheres to the standards set forth by the National Environmental Laboratory Accreditation Program (NELAP).

3600-C Kennesaw N. Ind. Pkwy. Kennesaw, GA 30144 770-919-0805 Fax 770-919-0806

ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**Conestoga Rover Associates**
	1351 Oakbrook Drive
	Norcross, GA 30093
Project Mgr:	Thom Lawrence

Laboratory Information:

Lab Number:	4-010558
Date Collected:	7/16-18/01
Date Received:	7/16-18/01
Date Analyzed:	7/16-18/01

Project Information:

Project:	Birdsong Peanut
Project No.:	
Collected by:	

Sample Information:

Sample Matrix:	Soil

SAMPLE ID	Vinyl Chloride mg/Kg	Dichloroethane mg/Kg	Dichloroethene mg/Kg	Trichloroethene mg/Kg	Tetrachloroethene mg/Kg	Surr. Rec (%)	Data Qual.
Method Blank	ND	ND	ND	ND	ND	89	
BH-1 2'	ND	ND	ND	ND	ND	91	
BH-1 21'	ND	ND	ND	ND	ND	88	
BH-2 4'	ND	ND	ND	ND	ND	95	
BH-2 21'	ND	ND	ND	ND	ND	101	
BH-3 2'	ND	ND	ND	ND	ND	106	
BH-3 21'	ND	ND	ND	ND	28.0	95	
BH-3 10'	ND	ND	ND	ND	ND	94	
BH-4 1.5'	ND	ND	ND	ND	ND	103	
BH-4 10'	ND	ND	ND	ND	ND	79	
BH-5 1'	ND	ND	ND	ND	ND	85	
BH-5 7.5'	ND	ND	ND	ND	ND	88	
BH-5 22'	ND	ND	ND	ND	ND	104	
BH-6 1'	ND	ND	ND	ND	ND	103	
BH-6 19.5'	ND	ND	ND	ND	7.5	95	
BH-7 1'	ND	ND	ND	ND	ND	99	
BH-7 15'	ND	ND	ND	ND	ND	106	
BH-8 1'	ND	ND	ND	ND	ND	87	
BH-8 25.5'	ND	ND	ND	ND	21.3	99	
BH-9 1.5'	ND	ND	ND	ND	ND	101	
BH-9 17.5'	ND	ND	ND	ND	ND	110	
BH-10-2'	ND	ND	ND	ND	ND	101	
BH-10 27'	ND	ND	ND	ND	ND	96	

DATA QUALIFIERS:

*PQL - Practical Quantitation Limit
**Results listed as 'ND' were NOT DETECTED
at or above the listed PQL.

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ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**Conestoga Rover Associates**
	1351 Oakbrook Drive
	Norcross, GA 30093
Project Mgr:	Thom Lawrence

Laboratory Information:

Lab Number:	4-010558
Date Collected:	7/16-18/01
Date Received:	7/16-18/01
Date Analyzed:	7/16-18/01

Project Information:

Project:	Birdsong Peanut
Project No.:	
Collected by:	

Sample Information:

Sample Matrix:	Water

SAMPLE ID	Vinyl Chloride ug/L	Dichloroethane ug/L	Dichloroethene ug/L	Trichloroethene ug/L	Tetrachloroethene ug/L	Surr. Rec (%)	Data Qual.
Method Blank	ND	ND	ND	ND	ND	99	
BH-1	ND	ND	ND	ND	ND	97	
BH-2	ND	ND	ND	ND	ND	105	
BH-3	ND	ND	ND	ND	108	107	
BH-5	ND	ND	ND	ND	ND	103	
BH-6	ND	ND	ND	ND	23.0	99	
BH-7	ND	ND	ND	ND	ND	96	
BH-8	ND	ND	ND	ND	118	89	
BH-9	ND	ND	ND	ND	ND	93	
BH-10	ND	ND	ND	ND	ND	102	

DATA QUALIFIERS:

*PQL - Practical Quantitation Limit
**Results listed as 'ND' were NOT DETECTED
at or above the listed PQL.

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ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

3600-C Kennesaw N. Ind. Pkwy. ■ Kennesaw, GA 30144 ■ 770-919-0805 ■ Fax 770-919-0806

CHAIN-OF-CUSTODY RECORD

CLIENT: Conestoga Rovers Assoc.
ADDRESS: 1351 Oakbrook Dr Ste 150
CITY: Norcross STATE: GA ZIP: 30093
PHONE: 770441-0027 FAX: 770441-2050
CLIENT PROJECT #: PROJECT MANAGER:

DATE: 7/16/01 PAGE 1 OF
ESN PROJECT #: Budsong Peanut
LOCATION:
COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-1 (1)	2'			Soil	4oz		X								ND		
BH-1 (1)	21'			Soil	4oz		X								ND		
BH-1 (1)	26'			Water	VOA		X								ND		
BH-2	0-4			Soil	4oz		X								ND		
BH-2	21'			Soil	4oz		X								ND		
BH-2	/			Water	VOA		X								ND		
BH-3	2'			Soil	4oz		X								ND		
BH-3	21'			Soil	4oz		X								38 ppb Tetrachloroethene		
BH-3	/			Water	VOA		X								108 ppb - Tetrachloroethene		
BH-3	10'			Soil	4oz		X								ND		

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ ESN DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD CON./COLD	
NOTES:	

LABORATORY NOTES:
1 Soil
5 H_2O

ESN SOUTHEAST
ENVIRONMENTAL SERVICES NETWORK
3600-C Kennesaw N. Ind. Pkwy. ■ Kennesaw, GA 30144 ■ 770-919-0805 ■ Fax 770-919-0806

CHAIN-OF-CUSTODY RECORD

CLIENT: Conestoga Rovers Assoc
ADDRESS: 1351 Oakbrook Drive Ste 150
CITY: Norcross STATE: GA ZIP: 30093
PHONE: 770-441-6027 FAX: 770-441-2050
CLIENT PROJECT #: PROJECT MANAGER:

DATE: 7/18/01 PAGE 1 OF 1
ESN PROJECT #:
LOCATION: Birdsong Peanut
COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081						FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-9	1.5'			Soil	4oz		X													ND		
BH-9	17.5			Soil	4oz		X													ND		
BH-9	—			Water	VOA		X													ND		
BH-10	2'			Soil	4oz		X													ND		
BH-10	27'			Soil	4oz		X													ND		
BH-10	—			Water	VOA		X													ND		

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
☐ ESN DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS Y/N/NA
SEALS INTACT? Y/N/NA
RECEIVED GOOD CON./COLD
NOTES:

LABORATORY NOTES:
4 Soil
2 Water

SAMPLE COLLECTION DATA SHEET - GROUNDWATER SAMPLING PROGRAM

PROJECT NAME FFM CSR PROJECT NO. 18283-01

SAMPLING CREW MEMBERS DJB & TAL SUPERVISOR

DATE OF SAMPLE COLLECTION 8/2/01

[Note: For 2" dia. well, 1 ft. = 0.14 gal (imp) or 0.16 gal (us)]

Sample I.D. Number	Well Number	Measuring Point Elev. (ft. AMSL)	Bottom Depth (ft. btoc)	Water Depth (ft. btoc)	Water Elevation (ft. AMSL)	Well Volume (gallons)	Bailer Volume No. Bails	Volume Purged (gallons)	Field pH	Field Temp.	Field Cond.	Time	Sample Description & Analysis
101	MW-9												
102	MW-5												
103	MW-8												
104	MW-7D												
105	MW-6												
106	MW-4												
107	blank												

Additional Comments:

Copies to:

CRA

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 08, 2001

David Brytowski
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093
TEL: (770) 441-0027
FAX (770) 441-2050

RE: Peanut Plant

Order No.: 0108101

Dear David Brytowski:

Analytical Environmental Servs, Inc. received 7 samples on 8/3/01 2:16:00 PM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

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

Sincerely,

Jason Holloway
Project Manager

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 770-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

№ 2224

REFERENCE NUMBER: 18283-01

PROJECT NAME: Peanut Plant

SAMPLER'S SIGNATURE: D. Brytowski PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS (Select VOCs)	REMARKS	
	8-2-01		GW-080201 DJB-001	water		X	Standard TAT	1
	↓		GW-080201 TAL 102	↓		X		2
			GW 080201 DJB 103			X		3
			GW 080201 TAL 104			X	Select VOCs	4
			GW-080201 TAL 105			X	include	5
	8-2-01		GW-080201 TAL 106	↓		X	PCE, TCE	6
			Trip Blank	water		X	cis-1,2 dichloroethene	7
							trans-1,2 dichloroethene	
							and vinyl chloride	

TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY: ① D. Brytowski	DATE: 8/3/01 TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM: David Brytowski, Thom Lawrence

RECEIVED FOR LABORATORY BY: M. Karanc
DATE: 8/3/01 TIME: 2:16

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name **CONESTOGA** | Date and Time Received **8/3/01 2:16:00 PM**

Work Order Number **0108101** | Received by **MHR**

Checklist completed by [signature] 8-3-01 (Signature / Date) | Reviewed by JH 8/3/01 (Initials / Date)

Matrix: | Carrier name Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201 DJB-101
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Surr: 4-Bromofluorobenzene	92.3	73-111		%REC	1	8/8/01 2:08:00 AM
Surr: Dibromofluoromethane	98.7	86-120		%REC	1	8/8/01 2:08:00 AM
Surr: Toluene-d8	98.7	91-108		%REC	1	8/8/01 2:08:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-102
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Tetrachloroethene	8.8	5.0		µg/L	1	8/8/01 2:42:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Surr: 4-Bromofluorobenzene	91.5	73-111		%REC	1	8/8/01 2:42:00 AM
Surr: Dibromofluoromethane	97.0	86-120		%REC	1	8/8/01 2:42:00 AM
Surr: Toluene-d8	98.2	91-108		%REC	1	8/8/01 2:42:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201 DJB-103
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Surr: 4-Bromofluorobenzene	91.8	73-111		%REC	1	8/8/01 3:15:00 AM
Surr: Dibromofluoromethane	97.2	86-120		%REC	1	8/8/01 3:15:00 AM
Surr: Toluene-d8	98.9	91-108		%REC	1	8/8/01 3:15:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-104
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Surr: 4-Bromofluorobenzene	91.3	73-111		%REC	1	8/8/01 3:49:00 AM
Surr: Dibromofluoromethane	97.3	86-120		%REC	1	8/8/01 3:49:00 AM
Surr: Toluene-d8	97.3	91-108		%REC	1	8/8/01 3:49:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-105
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Tetrachloroethene	23	5.0		µg/L	1	8/8/01 4:22:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Surr: 4-Bromofluorobenzene	91.4	73-111		%REC	1	8/8/01 4:22:00 AM
Surr: Dibromofluoromethane	97.6	86-120		%REC	1	8/8/01 4:22:00 AM
Surr: Toluene-d8	99.5	91-108		%REC	1	8/8/01 4:22:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-106
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-006A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Surr: 4-Bromofluorobenzene	90.6	73-111		%REC	1	8/8/01 4:56:00 AM
Surr: Dibromofluoromethane	96.4	86-120		%REC	1	8/8/01 4:56:00 AM
Surr: Toluene-d8	98.4	91-108		%REC	1	8/8/01 4:56:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-007A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Surr: 4-Bromofluorobenzene	91.9	73-111		%REC	1	8/8/01 1:34:00 AM
Surr: Dibromofluoromethane	96.3	86-120		%REC	1	8/8/01 1:34:00 AM
Surr: Toluene-d8	96.1	91-108		%REC	1	8/8/01 1:34:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

APPENDIX H

2001 HSI LISTING LETTER

Georgia Departm t of Natural Resources
205 Butler Street, S.E., Suite 1462, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/657-8600

COPY

December 17, 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Birdsong Peanut
c/o Mr. Russell Womble
Warehouse Manager
Post Office Box 565
Colquitt, Georgia 31737

RE: Listing of site on Hazardous Site Inventory
Birdsong Peanut
(Formerly Farmers Fertilizer and Milling Company)
HSI Site Number: 10710

Dear Mr. Womble:

Pursuant to the Georgia Rules for Hazardous Site Response, specifically Rule 391-3-19-.05(1) "Listing on the Hazardous Site Inventory," the Georgia Environmental Protection Division (EPD) has evaluated the above referenced site to determine whether a release of a regulated substance exceeding a reportable quantity has occurred. Based upon information provided in your notification dated March 15, 2001, and supplemental information dated May 7, 2001 and October 22, 2001, it has been determined that a release exceeding a reportable quantity has occurred at this site. Therefore, this site is now listed on the Hazardous Site Inventory (HSI) and will be included in the next publication of the HSI.

Enclosed is a document entitled "Introduction to the Hazardous Site Inventory" that provides an overview of the listing process. Also enclosed is a printout of the data on your site that has been entered into the HSI database. The printout indicates the numerical values assigned when the site was evaluated using the Reportable Quantities Screening Method (RQSM). If it is your position that any of the values shown on the enclosed printout do not represent actual conditions at the site as of the date of this letter, then you may request that the value be changed. If analytical data not yet submitted to EPD is the basis of your request for a change in a RQSM value, the data must have been collected prior to your receipt of this letter to affect the listing of your site on the HSI. Your request should be made in writing and provide documentation to support your position, including a statement as to what you think the appropriate value for that factor should be.

In accordance with O.C.G.A. §12-8-70 (d) and Rule 391-3-19-.05(2) "Release Reporting," you are required to submit the following information unless such information has already been submitted pursuant to Rule 391-3-19-.04(4) "Notification Requirements":

(1) Name, mailing address, and telephone number of the site's property owner, lessee, tenant, or facility owner or operator (for all such properties at the site);

(2) Street address of the site or, if a numbered address is not available, a location descriptor;

(3) An original of the most current topographic map of scale 1:24,000 produced by the United States Geological Survey, with the geographic center of the site identified;

(4) A description of the property boundaries in the vicinity of the site by legal description, survey plat, tax map*, or other means (the property boundary description must include other owners' properties if other

properties have been affected by the release);

***EPD requires that you provide a tax map parcel ID number for the parcel at which the reportable quantity release was identified.**

(5) A chemical name, taken from Appendix I, of each regulated substance released at the site which independently meets the notification criteria in Rule 391-3-19-.04(3);

(6) A general description of the nature of the release and the location of areas affected by the release or by its subsequent migration, both within and beyond the original site's boundaries;

(7) Suspected or known source, quantity, and date of the release;

(8) A summary of actions taken to investigate, clean up, or otherwise remediate the site; and

(9) A statement which identifies the criteria of Rule 391-3-19-.04(3) by which the property owner determined that a release which required notification has occurred.

You have the option to use EPD's revised standardized Release Notification/Reporting Form (copy enclosed) in submitting the above information. If there are items requested on the revised notification form that were not previously submitted, please provide those items using the new form. If you change or add any information previously submitted in a standardized form, please provide a cover letter with the new completed form that clearly states that you are providing supplemental information only, and that you are not submitting a new notification.

Please submit the required information within forty-five (45) days of receipt of this letter to the following address:

Georgia Environmental Protection Division
Hazardous Sites Response Program
205 Butler Street, S.E., Suite 1462
Atlanta, Georgia 30334
ATTENTION: HSI

If you have any questions or comments, please contact Ms. Antonia Beavers at 404/657-8600.

Sincerely,

Harold F. Reheis
Director

Enclosures: (1) HSI site data printout
(2) Introduction to the HSI
(3) Release Notification/Reporting Form

c: Les Oakes, King & Spalding
Evans J. Plowden, Jr., Watson, Spence, Lowe and Chambliss, L.L.P.

File: Site Number 10710
S:\RDRIVE\ANTONIA\Birdsong Peanut\HSILSTNG.LTR.doc

Site No.: **10710** Site Name: **Birdsong Peanut (Formerly Farmers Fertilizer and Milling Co)**

12/03/2001 14:35:00

Location: 608 East Main Street
Colquitt Lat 31 ° 10 ' 31 " N Lon 84 ° 43 ' 18 " W
County: Miller 31737
Parcel ID: Map C14, Parcel 28

Property Owner: Birdsong Peanut (Formerly Farmers Fertilizer and Milling Company)
Post Office Box 565
Colquitt , GA 31737
Phone: (229) 758-3520

Contact Person: Russell Womble

Birdsong Peanut
Post Office Box 565
Colquitt , GA 31737
Phone: (229) 758-3520

Facility ow/op: Birdsong Peanut
Gerald Garland (Facility Operator)
Birdsong Peanut
230 North Bay Street
Blakely , GA 31723
Phone: (229) 723-3641

EPA ID:
Entered HSI Database on : 12/03/2001
Corrective Action Site Class: 2 Cleanup Code: 1

OUTPUT FROM REPORTABLE QUANTITIES SCREENING METHOD

GROUNDWATER PATHWAY ***Pathway Score:*** ***16.26***

A. Known (45), Suspected (10), or Pot. Future (5): 45
1B.Higher (6), Average (3), or Lower (0) Susceptibility: 0
2B. Physical State [stable solid=0; liquid=3]: 0
C. Containment [very good=0; poor=3]: 0

SUBSTANCE: (CAS: 127184) Tetrachloroethene
2D. Toxicity: 4 3D. Quantity: 4 -

1E. Exposure: 4 (If 1E>4 then 2E=16)
2E. Distance to well or spring: 16 (If 1E=0 then 2E=1)

ON-SITE EXPOSURE PATHWAY ***Pathway Score:*** ***26.67***

A. Access [none=0; unlimited=4]: 4
B. Known (25), suspected (15), or no known (0) release: 25
C. Quality of containment [very good=0; poor=5]: 2

SUBSTANCE: (CAS: 127184) Tetrachloroethene
2D. Toxicity: 4 3D. Quantity: 4 -

1E. Distance to resident [<300'=8; >1mile=1]: 8
2E. Sensitive Environment affected [yes=1]: 0

APPENDIX I

2003 CRA VOLUNTARY REMEDIATION PROGRESS REPORT

File EDSF Mon

CONESTOGA-ROVERS
& ASSOCIATES

1351 Oakbrook Drive, Suite 150, Norcross, GA 30093
Telephone: 770.441.0027 Facsimile: 770.441.2050
www.CRAworld.com

March 28, 2003 Reference No. 18283-01

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Voluntary Remediation Progress Report
Birdsong Peanut (former Farmer's Feed and Milling Company), HSI 10710
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared the following progress report of the voluntary remediation for the former Farmer's Feed and Milling (FFM) Company (Site), now Birdsong Peanut, in Colquitt, Miller County, Georgia (HSI #10710). Tetrachloroethene (a.k.a. perchloroethene or PCE) was detected in groundwater during a July 2001 Supplemental Phase II Environmental Site Assessment by CRA in two out of six wells at the Site, at 8.8 µg/L (MW-5) and 23 µg/L (MW-6). (PCE was also detected in two groundwater samples from investigatory borings at concentrations of 108 µg/L and 118 µg/L; see Table 1). Based on these results, CRA recommended that voluntary remediation of the Site be performed by chemical injection using potassium permanganate.

Two injection events have been performed, with the majority of the Site now showing no detected PCE concentrations. However, confirmatory sampling in October 2002 still showed PCE concentrations above MCLs in two wells, MW-5 and MW-7D (see Figure 1). Although potassium permanganate had been injected through three DPT injection points located within 20 feet of MW-5, these borings were not able to penetrate through the limestone layer encountered at 30 feet (MW-5 is screened at 40 to 45 feet). The detection of PCE at 6.1 µg/L in the deeper well, MW-7D was suspect. CRA recommended "spot" injections as a follow-up, using monitoring wells MW-5 and MW-7D as the injection points. These "spot" injections were conducted on December 30, 2002, introducing approximately 50 gallons of 5% permanganate solution into each well. Confirmatory sampling was conducted on February 2, 2003.

RESULTS OF SPOT CHEMICAL INJECTION

The results of the groundwater sampling are presented in Table 1. The latest sampling shows that the PCE is no longer present in MW-5 groundwater. A low detection of PCE just above detection limits, but within HSRA Type 2 Risk Reduction Standards, was reported in MW-6. However, the PCE in the new monitoring well, MW-10, (reduced from 130 µg/L to non-detect after the previous injection) has rebounded to 120 µg/L. This well is located within what is suspected to be the center of the impacted area. This rebound may be related to the rise in groundwater levels over the past eight months (see Figure 2), on the order of 7 feet. Although the entry location (the area where the PCE was released) was not detected by the original soil sampling, the "hot spot" in the aqueous contaminant plume detected by MW-10 leads us to believe that the initial release was in that area. (Note: soil hot spots, either above or below the level of groundwater, have not been identified at the Site by prior soil sampling). It is possible that there is a "smear zone" of PCE trapped within the soil near MW-10 that was formerly above the groundwater. Now that the water levels have risen, this PCE could have been dissolved into the groundwater, causing the apparent rebound observed at MW-10.

Although the injections performed to date appear to have reduced the contaminant mass, a discrete localized source near MW-10, if present and left untreated, could continue to impact groundwater quality in the immediate vicinity of MW-10. Consequently, an additional phased soil investigation in the vicinity of MW-10 may be warranted prior to further treatment.

CRA also understands that a Compliance Status Report (CSR) call-in letter has been sent regarding this Site. Although this was not expected at this time, a CSR would have to be produced, regardless, once the remediation is complete in order to remove the Site from the HSI list. The project could proceed as follows:

- advise EPD of respondent's intent to conduct an additional soil investigation in the vicinity of MW-10; EPD is likely to have requested this investigation in order to complete delineation to site-specific background levels;
- assess the remaining volume and distribution of contamination, and if demonstrated feasible, immediately proceed to remediation by chemical injection/oxidation;
- if additional treatment is performed, collect confirmatory samples to document the success of the treatment;
- submit a CSR upon achievement of Risk Reduction Standards or in September 2003 as requested by EPD; and
- keep EPD notified of progress and results through interim submittals.

The additional data to be collected during this supplemental investigation will be intended to be of the type and quality suitable for inclusion in the CSR. This data should provide us sufficient to reassess the remedial action objectives, determine if other remedial alternatives should be compared and contrasted with the present remedial design, or provide justification to pursue completion of remediation using chemical injection. We believe that this work can be completed in a timely manner in order to submit the CSR by the September 2003 deadline.

We will provide a proposal for performing these work items under separate cover.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Lawrence, P.G.

TAL/09

cc: Donna Balon, Man Group USA, Inc.
Robert Norman, Jones Cork & Miller
Gerald Garland, Birdsong Peanut

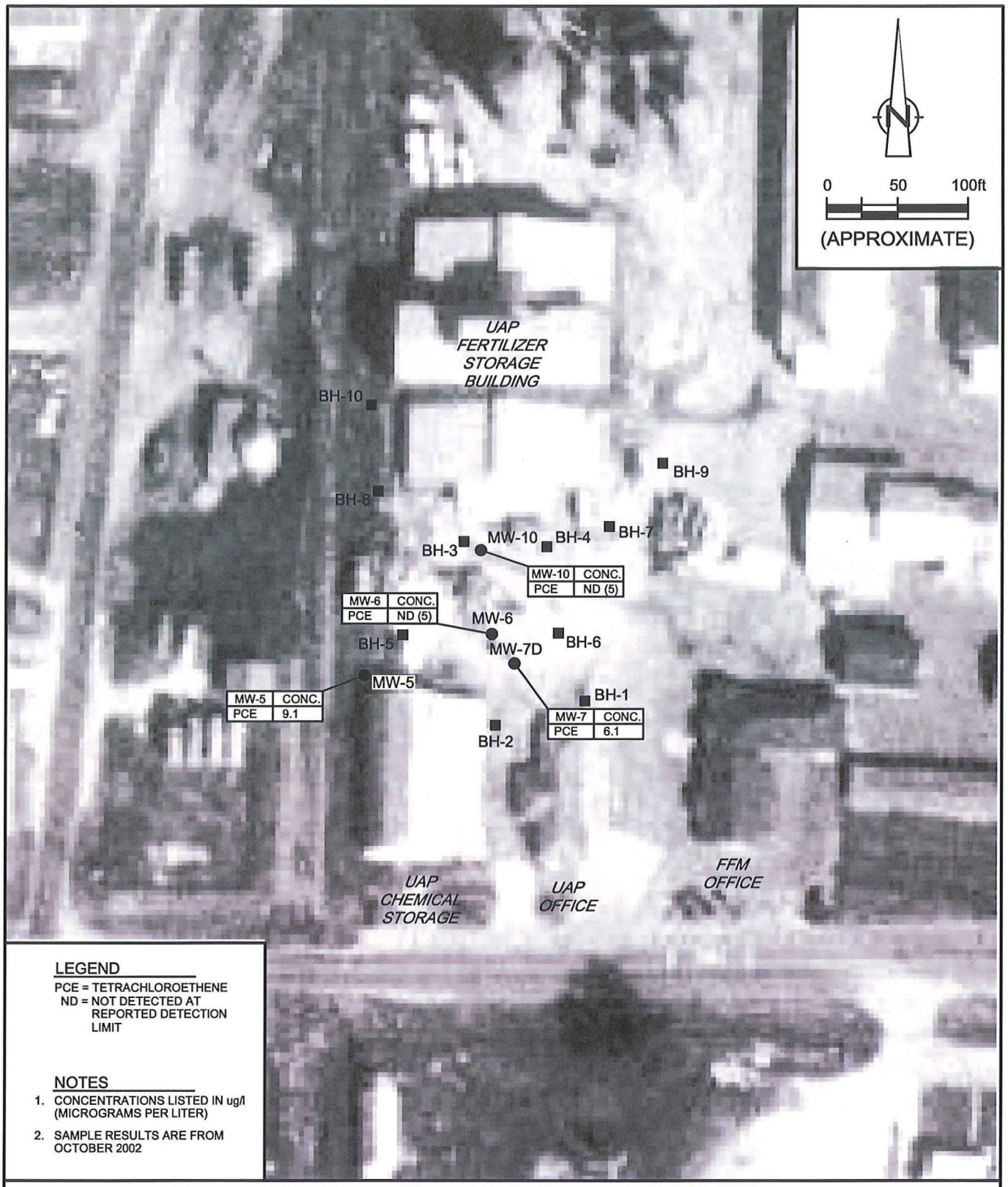
TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L)	DCE (ug/L)	TCE (ug/L)	PCE (ug/L)	VC (ug/L)
BH-1	7/16/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	7/16/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	7/16/01	ND (5)	ND (5)	ND (5)	108	ND (5)
BH-5	7/17/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	7/17/01	ND (5)	ND (5)	ND (5)	23	ND (5)
BH-7	7/17/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	7/17/01	ND (5)	ND (5)	ND (5)	118	ND (5)
BH-9	7/18/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	7/18/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-4	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/01	ND (5)	ND (5)	ND (5)	8.8	ND (5)
	7/9/02	ND (5)	ND (5)	ND (5)	8	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	9.1	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-6	8/2/01	ND (5)	ND (5)	ND (5)	23	ND (5)
	7/9/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	8.9	ND (5)
MW-7D	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	6.1	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/01	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/02	ND (5)	ND (5)	ND (5)	130	ND (5)
	10/29/02	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/03	ND (5)	ND (5)	ND (5)	120	ND (5)
GC		4000	7	5	5	2

14 type 2

Note:

MW-10 is located near BH-3
DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
GC = Groundwater Criteria (HSRA default cleanup standards for groundwater, Appendix III Table 1)



AERIAL PHOTOGRAPH SOURCE: MICROSOFT TERRASERVER/USGS

figure 1

SECOND CONFIRMATION SAMPLE RESULTS
BIRDSONG PEANUT PLANT
FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE009)GN-AT001 MAR 28/2003

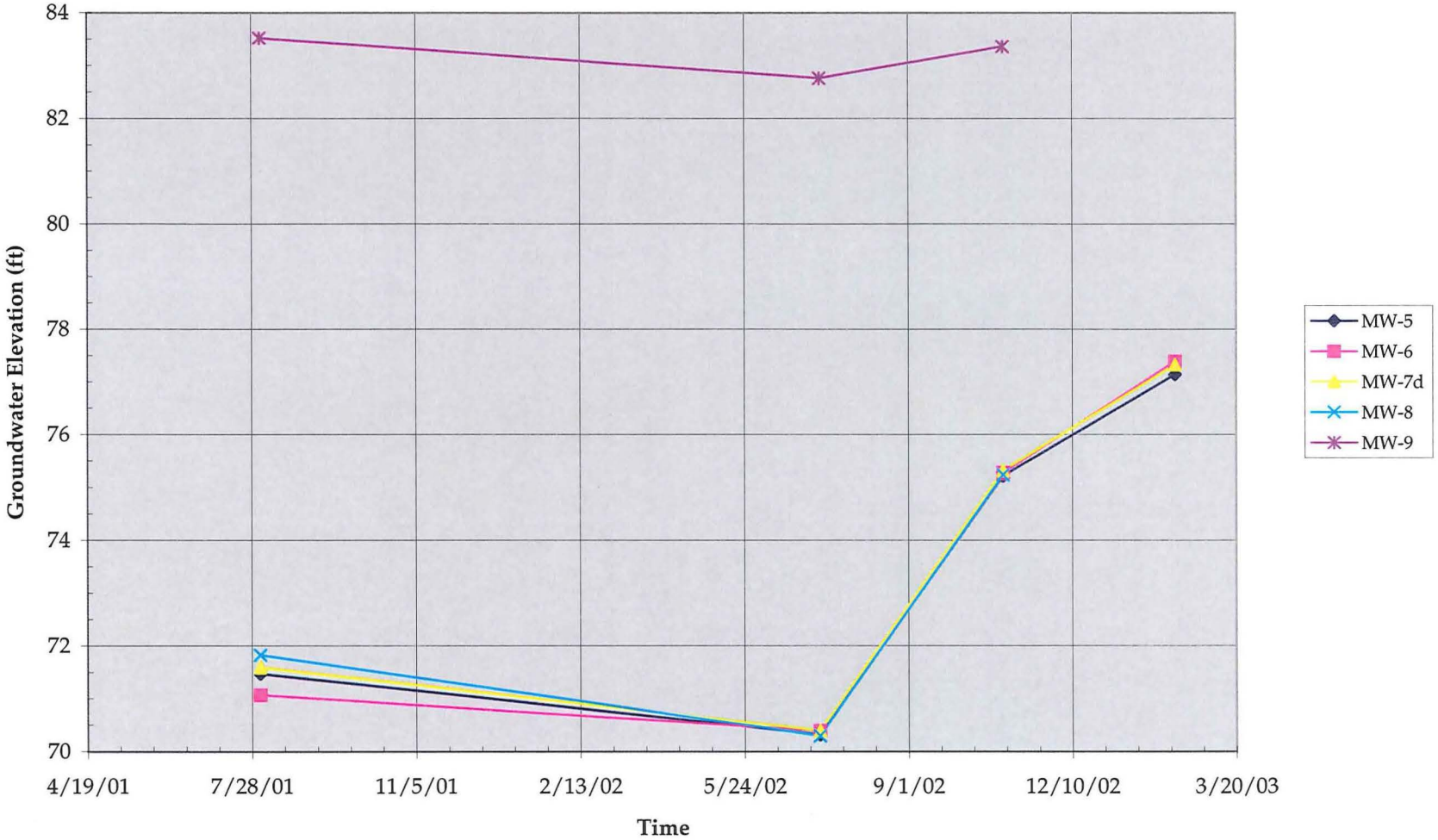


figure 2
WATER LEVELS OVER TIME
FORMER FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

APPENDIX J

2003 CRA FOCUSED DELINEATION PROGRESS REPORT

CONESTOGA-ROVERS
& ASSOCIATES

1351 Oakbrook Drive, Suite 150, Norcross, GA 30093
Telephone: 770.441.0027 Facsimile: 770.441.2050
www.CRAworld.com

FILE
EDF Man

May 27, 2003

Reference No. 18283-01

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Focused Delineation Progress Report
Birdsong Peanut (former Farmer's Feed and Milling Company), HSI 10710
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared the following progress report of the focused Site delineation as proposed in our March 31, 2003, "Proposal for Completion of Remediation and Compliance Status Report" for the former Farmer's Feed and Milling (FFM) Company (Site), now Birdsong Peanut, in Colquitt, Miller County, Georgia (HSI #10710).

The results of the groundwater sampling event of February 11, 2003, showed that the concentration of tetrachloroethene (PCE) in the new monitoring well, MW-10 (reduced from 130 µg/L to non-detect from the second round of chemical injection), had rebounded to 120 µg/L. The "hot spot" in the aqueous contaminant plume detected by MW-10 led us to believe that the initial release was in that area.

Although the injections performed to date have appeared to reduce the contaminant mass, a discrete localized source near MW-10, if present and left untreated, could continue to impact groundwater quality in the immediate vicinity of MW-10. Consequently, an additional phased soil investigation in the vicinity of MW-10 was conducted to complete delineation in that area.

WORK COMPLETED

On April 24 and 25, 2003, a focused investigation was conducted at the Site using direct push technology (DPT, i.e., Geoprobe) and a field analytical laboratory. A series of 7 DPT borings were advanced at strategic locations in the vicinity of MW-10 (see Figure 1). Soil and groundwater samples were collected from the borings and submitted for field laboratory analysis for volatile organic compounds (VOCs). A total of 13 soil and 6 groundwater samples were collected from the DPT borings; groundwater was not encountered in DPT boring BH-15.

It had been proposed to complete one of the borings as a small-diameter monitoring well to provide delineation and a permanent monitoring point. However, due to inclement weather on the second day, this could not be completed.

Results of laboratory analyses are as follows:

TABLE 1
SUMMARY OF SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Soil

Sample Location	Sample Depth	DCE	TCE	PCE	VC
BH-11	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-12	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-13	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-14	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-15	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-16	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)
BH-17	3 - 4 ft	ND (5)	ND (5)	ND (5)	ND (5)
	7 - 8 ft	ND (5)	ND (5)	ND (5)	ND (5)

Groundwater

BH-11		ND (1)	ND (1)	ND (1)	ND (1)
BH-12		ND (1)	ND (1)	8.8	ND (1)
BH-13		ND (1)	ND (1)	1.2	ND (1)
BH-14		ND (1)	ND (1)	1.8	ND (1)
BH-16		ND (1)	ND (1)	4.2	ND (1)
BH-17		ND (1)	ND (1)	48.7	ND (1)
GC		**7**	**5**	**5**	**2**

Note:
Concentrations in µg/kg (soil), µg/L (water) ND = Not Detected @ (Reported Detection Limit)
DCE = 1,1-dichloroethene (total) TCE = trichloroethene
PCE = tetrachloroethene VC = vinyl chloride
GC = Groundwater Criteria (HSRA Appendix III Table 1)

No VOCs were detected in any of the soil samples collected. PCE (only) was detected in five of the six groundwater samples. Only two of the groundwater samples contained PCE at concentrations above the Groundwater Criteria of 5 µg/L. The highest detection of PCE at 48.7 µg/L was collected from BH-17, located to the south of MW-10 within the area that has shown the highest impact from PCE.

The results of the sampling demonstrate that the extent of PCE, is in fact, limited to the immediate vicinity of MW-10 and to the south. This suggests that there is no undetected source area adjacent to, or

to the north of, MW-10. Also, it appears that the highest detections of PCE in the area described by MW-6 and MW-10 have been dramatically reduced.

There has been no detection of any degradation parameters (cis, 1-2 dichlorethene, vinyl chloride) throughout the investigations at the Site. This demonstrates that permanganate injection has not broken down PCE into other hazardous constituents, but has resulted in the complete destruction of PCE. Therefore, we do not recommend changing to a different type of oxidant such as sodium persulfate, or to a reductant such as sodium lactate.

The data collected during this delineation of the probable source area demonstrates chemical injection has been successful in reducing contaminant concentrations and mass. CRA believes that permanganate injection remains the most cost-effective and efficient approach, and recommends a third injection be performed, as follows:

- within the next four weeks, conduct a third injection, focusing in the remaining area showing impact from PCE, as defined by the focused delineation;
- complete the installation of the additional monitoring well, as previously proposed;
- collect confirmatory samples from the Site monitoring wells 6 weeks after injection to document the results of the treatment;
- submit a CSR, showing achievement of Risk Reduction Standards (RRSs), by the September 2003 deadline;
- conduct an additional confirmatory sampling event to show that there has been no rebound effect over time (after a four-month waiting period), and that the remediation has remained successful; and;
- by end of November 2003, request that the Site be designated as not needing further action and be removed from the Hazardous Site Inventory, in accordance with Rules 391-3-19-.05(4)(b) and 391-3-19-.06(6)(b)(i).

Options to be considered if the repeat injection does not achieve full compliance with RRSs include:

- request an extension to allow for additional injections or provide additional time for the Site to reach RRSs; or
- submit the CSR and a Corrective Action Plan calling for Monitoring Only.

Please contact us if you have any questions at (770) 441-0027.

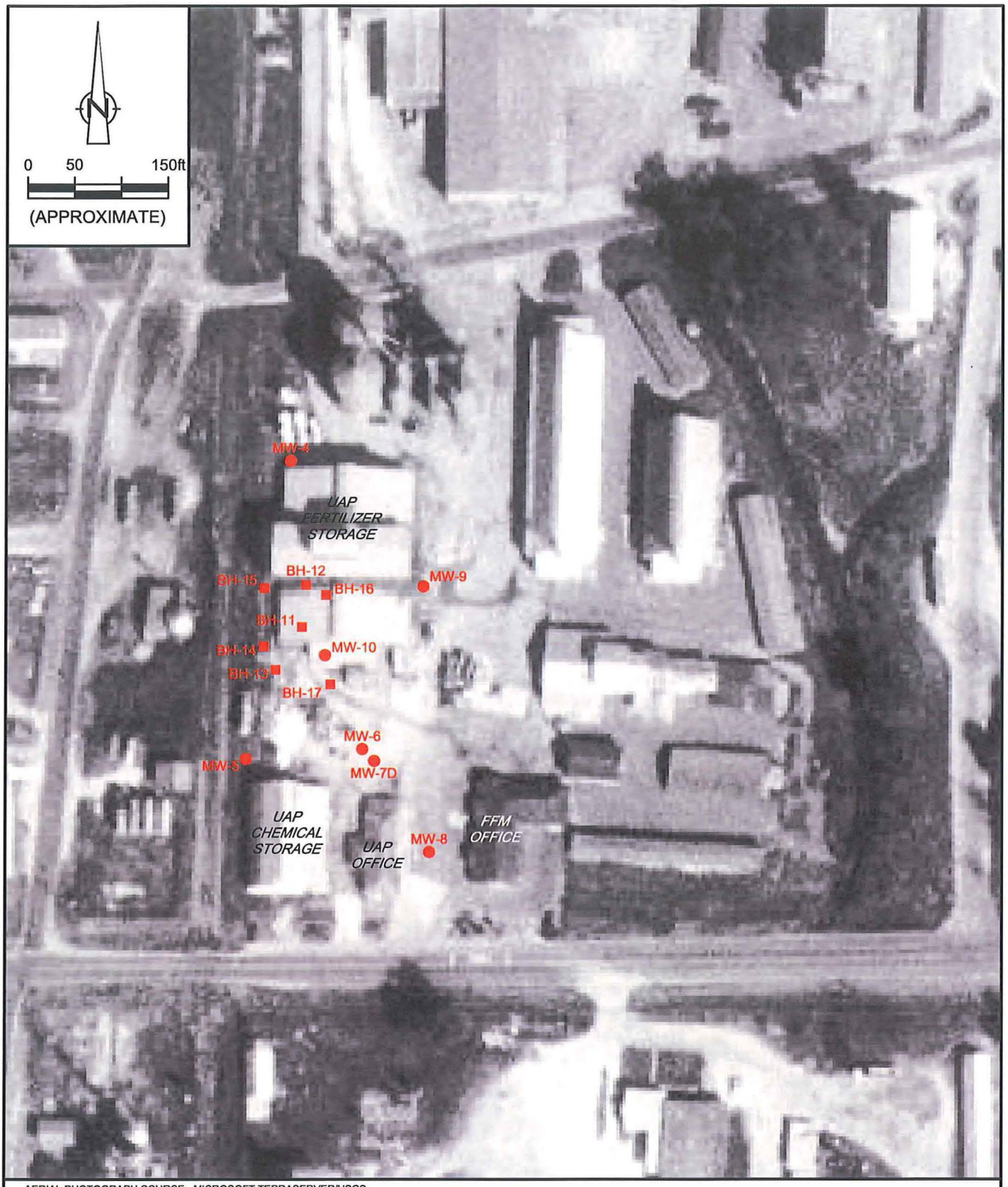
Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Lawrence, P.G.

TAL/11

cc: Donna Balon, Man Group USA, Inc.
Robert Norman, Jones Cork & Miller
Gerald Garland, Birdsong Peanut



AERIAL PHOTOGRAPH SOURCE: MICROSOFT TERRASERVER/USGS

LEGEND

MW-5 MONITORING WELL LOCATION

BH-1 BOREHOLE LOCATION

figure 1

SITE PLAN
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE011)GN-AT001 MAY 28/2003

APPENDIX K

2003 CRA REPEAT CHEMICAL INJECTION PROGRESS REPORT

October 27, 2003 *DRAFT* Reference No. 18283-01

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Repeat Chemical Injection Progress Report
Birdsong Peanut (former Farmer's Feed and Milling Company), HSI 10710
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared the following progress report of the follow-up remedial chemical injection as originally proposed in our May 27, 2003, "Proposal for Completion of Remediation and Compliance Status Report" for the former Farmer's Feed and Milling (FFM) Company (Site), now Birdsong Peanut, in Colquitt, Miller County, Georgia (HSI #10710). This repeat injection, conducted after the originally planned injections conducted in 2002, was proposed to address the discrete localized source of tetrachloroethene (PCE) contamination detected near the monitoring well MW-10. This work has been conducted with the approval of the Georgia Environmental Protection Division (EPD).

As proposed in CRA's progress report of May 27, 2003, the following work has been conducted:

- the installation of the additional monitoring well MW-11 (see Figure 1) was completed;
- a third injection, focusing in the remaining area showing impact from PCE as defined by the focused delineation was conducted; and,
- confirmatory samples from the Site monitoring wells were collected 6 weeks after injection to document the results of the treatment.

An additional phased soil and groundwater investigation in the vicinity of MW-10 had previously been conducted on April 24 and 25, 2003, to complete delineation of residual contamination in that area. The results of the sampling demonstrated that the extent of dissolved PCE was, in fact, limited to the immediate vicinity of MW-10 and to the south. No impact was detected in any of the soil samples collected. Based on the results of this sampling (groundwater samples from nearby DPT borings showed detected PCE concentrations of 1.2 μg/L [BH-13], 1.8 μg/L [BH-14], and non-detect [BH-11]), an additional monitoring well was installed 55 feet to the west-northwest of MW-10 to provide additional definition on the northwest side of the impacted area.

After the additional well was installed on August 12, 2003, the third injection was performed by injecting approximately 250 gallons of a 6% potassium permanganate solution in each of 10 injection borings. These borings were located along a line running northwest-southeast from MW-10 to MW-6.

On September 30, 2003, confirmatory groundwater sampling was performed to determine the degree of success of the additional injection. The results of this sampling, along with previous samplings, are contained in Table 1. This sampling showed no detection of PCE in MW-7D and MW-10, but showed detections in MW-5, MW-6, and MW-11 of 8 μg/L, 20 μg/L, and 430 μg/L, respectively. It should be noted that the samples from all of these wells, except MW-11, still showed a strong purple color from the potassium permanganate, which indicates the presence of non-reacted permanganate.

The high detection of PCE in the sample from MW-11 is suspect based on the results of the previous investigation performed in April 2003, and distance from the center of the plume as delineated by other monitoring wells and borings. However, since the stratigraphy at the Site consists of isolated lenses of weathered limestone in clay, it could be possible that MW-11 intercepted a small lens of limestone, undetected by the DPT borings in the vicinity, that acts as a "sponge" due to its higher permeability, holding groundwater showing higher impact from PCE.

As presented in the our May 27 letter, options to be considered if the repeat injection does not achieve full compliance with RRSs include:

- request an extension to allow for additional injections or provide additional time for the Site to reach RRSs; or
- submit the CSR and a Corrective Action Plan calling for Monitoring Only.

Man Group USA and Birdsong Peanut have shown consistent action in investigating the Site and in conducting voluntary corrective action. Therefore, CRA recommends requesting an extension from EPD, and then conducting a focused injection in the vicinity of MW-11. This would be performed by injecting permanganate into four DPT borings spaced around MW-11. Groundwater samples would first be collected from the bottom of each of these borings, prior to injection, as a means of confirming the limited extent of impact detected in MW-11.

After additional confirmatory sampling has been conducted to show that there has been no rebound effect over time (after a four-month waiting period), and that the remediation has remained successful, a CSR showing achievement of Risk Reduction Standards (RRSs) can be submitted.

CRA would like to point out that during the repeat injection conducted in August 2003, it was noted on two separate occasions that the UAP personnel working adjacent to the Site dumped liquids onto the unpaved surface in the vicinity of MW-11. It is not known if these liquids actually contained any chemical that could pose any environmental concern. However, due to the sensitivity of the remedial actions being undertaken, we would request that Birdsong Peanut ask the UAP personnel to not use the area for dumping liquids in the future. In addition, we recommend a sample of impacted soil be obtained and analyzed to determine if the dumped liquids could impact groundwater quality beneath the Site.

Please contact us if you have any questions at (770) 441-0027.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Lawrence, P.G.

TAL/12

cc: Donna Balon, Man Group USA, Inc.
Robert Norman, Jones Cork & Miller
Gerald Garland, Birdsong Peanut

TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L)	DCE (ug/L)	TCE (ug/L)	PCE (ug/L)	VC (ug/L)
BH-1	7/16/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	7/16/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	7/16/2001	ND (5)	ND (5)	ND (5)	**108**	ND (5)
BH-5	7/17/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	7/17/2001	ND (5)	ND (5)	ND (5)	**23**	ND (5)
BH-7	7/17/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	7/17/2001	ND (5)	ND (5)	ND (5)	**118**	ND (5)
BH-9	7/18/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	7/18/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-11	4/24/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-12	4/24/2003	ND (5)	ND (5)	ND (5)	**8.8**	ND (5)
BH-13	4/24/2003	ND (5)	ND (5)	ND (5)	1.2	ND (5)
BH-14	4/24/2003	ND (5)	ND (5)	ND (5)	1.8	ND (5)
BH-16	4/24/2003	ND (5)	ND (5)	ND (5)	4.2	ND (5)
BH-17	4/25/2003	ND (5)	ND (5)	ND (5)	**48.7**	ND (5)
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	**8.8**	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	**8**	ND (5)
	########	ND (5)	ND (5)	ND (5)	**9.1**	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	**8**	ND (5)
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	**23**	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	########	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	**8.9**	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	**20**	ND (5)
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	########	ND (5)	ND (5)	ND (5)	**6.1**	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	**130**	ND (5)
	########	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	**120**	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	**430**	ND (5)
GC		**4000**	**7**	**5**	**5**	**2**

Consistent

Consistent

inconsistent

14 type 2

Note:

MW-10 is located near BH-3
DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
GC = Groundwater Criteria (HSRA default cleanup standards for groundwater, Appendix III Table 1)

APPENDIX L

AUGUST 2004 CRA STATUS REPORT

CONESTOGA-ROVERS
& ASSOCIATES

1351 Oakbrook Drive, Suite 150, Norcross, GA 30093
Telephone: 770.441.0027 Facsimile: 770.441.2050
www.CRAworld.com

August 17, 2004

Reference No. 18283-01

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Status Report
Birdsong Peanut (former Farmer's Feed and Milling Company), HSI 10710
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared this status report for the focused injection conducted May 4-7, 2004, following submittal of the Compliance Status Report (CSR) for the former Farmer's Feed and Milling (FFM) Company (Site), now Birdsong Peanut, in Colquitt, Miller County, Georgia (HSI #10710). The CSR was submitted to the Environmental Protection Division of the Georgia Department of Natural Resources (EPD) in December 2003.

SITE STATUS

The main factor that prevented the Site being certified in the CSR as being in compliance with groundwater Risk Reduction Standards (RRSs) was the detection of elevated concentrations of tetrachloroethene (PCE) in monitoring well MW-11 (see Figure 1). The non-compliance of groundwater has remained discrete and likely attributable to a small, isolated pocket of residual contamination within the saturated zone. The majority of PCE impact has been remediated at the Site. It was anticipated that a focused injection of potassium permanganate in the areas showing detections of PCE above RRSs would eliminate the exceedances.

After an additional monitoring well (MW-12) upgradient of MW-11 was installed for background delineation purposes, a focused injection of potassium permanganate was performed during the week of May 3, 2004. Injection was conducted in a grid pattern starting from 11 feet west of MW-11[1] leading to the east by MW-10; injection also was performed near MW-6 and adjacent to MW-5.

[1] Injection was started to the west to avoid the potential for "pushing" PCE out from the injection area and increasing contaminant concentrations in the perimeter wells MW-11 and MW-12.

On June 23, 2004, confirmatory groundwater sampling was performed to determine the impact of the latest phase of injection. The results of this sampling, along with previous samplings, are contained in Table 1. This sampling showed no detection of PCE in MW-5, MW-7D, and MW-10, but showed low detections in MW-6, MW-11, and MW-12 of 21 μg/L, 41 μg/L, and 19 μg/L, respectively. All reported detections are less than the Type 4 RRS for PCE of 55 μg/L. Further reductions are required to comply with the Type 1 RRS of 5μg/L.

It should be noted that the samples from all of these wells, except MW-12, still showed a strong purple color from the potassium permanganate, which indicates the presence of non-reacted permanganate[2]. A second focused injection could be conducted to further accelerate degradation, if needed, in the vicinity of MW-6, MW-11, and MW-12. However, we believe that the persistence of the permanganate will continue to reduce concentrations. This reaction can be catalyzed by the injection of air or steam into the monitoring wells.

At this time, the Site is in compliance with Type 4 RRS. CRA plans to resample in September, approximately 6 months after the injection was performed for confirmation that the Site remains in compliance with RRS.

Please contact us if you have any questions at (770) 441-0027.

Yours truly,

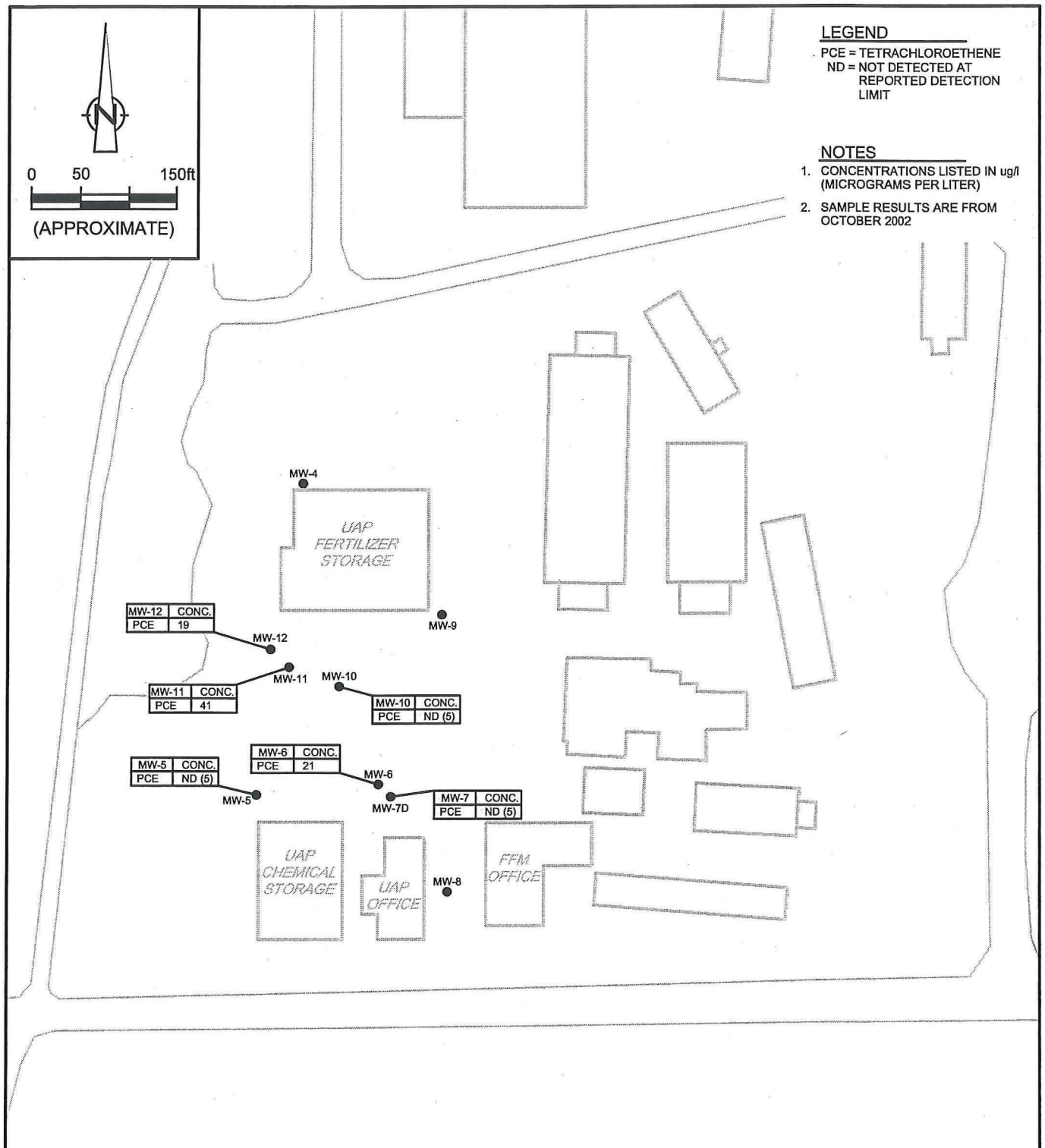
CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Lawrence, P.G.

tal/15

cc: Donna Balon, Man Group USA, Inc.

[2] At this Site, the permanganate has shown to have an extremely long "hang time" (i.e., reaction time) that can continue to attenuate PCE in groundwater over a protracted time period (6 to 12 months).



DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

figure 1

JUNE 23, 2004 CONFRIMATION SAMPLE RESULTS
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

CRA

18283-01(OAKE015)GN-AT001 AUG 02/2004

TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) *CAS#75343*	DCE (ug/L) *CAS#75354*	TCE (ug/L) *CAS#79016*	PCE (ug/L) *CAS#127184*	VC (ug/L) *CAS#75014*
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (5)
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (5)
MW-12	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (5)
Type 1 RRS		4000	7	5	5	2
Type 4 RRS		4000	525	40	55	5

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1 RRS = Groundwater Criteria (Appendix III Table 1)
Type 4 RRS = Groundwater Criteria (generic assumptions)

CONESTOGA-ROVERS
& ASSOCIATES

1351 Oakbrook Drive, Suite 150, Norcross, GA 30093
Telephone: 770.441.0027 Facsimile: 770.441.2050
www.CRAworld.com

August 17, 2004

Reference No. 18283-01

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Status Report
Birdsong Peanut (former Farmer's Feed and Milling Company), HSI 10710
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared this status report for the focused injection conducted May 4-7, 2004, following submittal of the Compliance Status Report (CSR) for the former Farmer's Feed and Milling (FFM) Company (Site), now Birdsong Peanut, in Colquitt, Miller County, Georgia (HSI #10710). The CSR was submitted to the Environmental Protection Division of the Georgia Department of Natural Resources (EPD) in December 2003.

SITE STATUS

The main factor that prevented the Site being certified in the CSR as being in compliance with groundwater Risk Reduction Standards (RRSs) was the detection of elevated concentrations of tetrachloroethene (PCE) in monitoring well MW-11 (see Figure 1). The non-compliance of groundwater has remained discrete and likely attributable to a small, isolated pocket of residual contamination within the saturated zone. The majority of PCE impact has been remediated at the Site. It was anticipated that a focused injection of potassium permanganate in the areas showing detections of PCE above RRSs would eliminate the exceedances.

After an additional monitoring well (MW-12) upgradient of MW-11 was installed for background delineation purposes, a focused injection of potassium permanganate was performed during the week of May 3, 2004. Injection was conducted in a grid pattern starting from 11 feet west of MW-11[1] leading to the east by MW-10; injection also was performed near MW-6 and adjacent to MW-5.

[1] Injection was started to the west to avoid the potential for "pushing" PCE out from the injection area and increasing contaminant concentrations in the perimeter wells MW-11 and MW-12.

On June 23, 2004, confirmatory groundwater sampling was performed to determine the impact of the latest phase of injection. The results of this sampling, along with previous samplings, are contained in Table 1. This sampling showed no detection of PCE in MW-5, MW-7D, and MW-10, but showed low detections in MW-6, MW-11, and MW-12 of 21 μg/L, 41 μg/L, and 19 μg/L, respectively. All reported detections are less than the Type 4 RRS for PCE of 55 μg/L. Further reductions are required to comply with the Type 1 RRS of 5μg/L.

It should be noted that the samples from all of these wells, except MW-12, still showed a strong purple color from the potassium permanganate, which indicates the presence of non-reacted permanganate[2]. A second focused injection could be conducted to further accelerate degradation, if needed, in the vicinity of MW-6, MW-11, and MW-12. However, we believe that the persistence of the permanganate will continue to reduce concentrations. This reaction can be catalyzed by the injection of air or steam into the monitoring wells.

At this time, the Site is in compliance with Type 4 RRS. CRA plans to resample in September, approximately 6 months after the injection was performed for confirmation that the Site remains in compliance with RRS.

Please contact us if you have any questions at (770) 441-0027.

Yours truly,

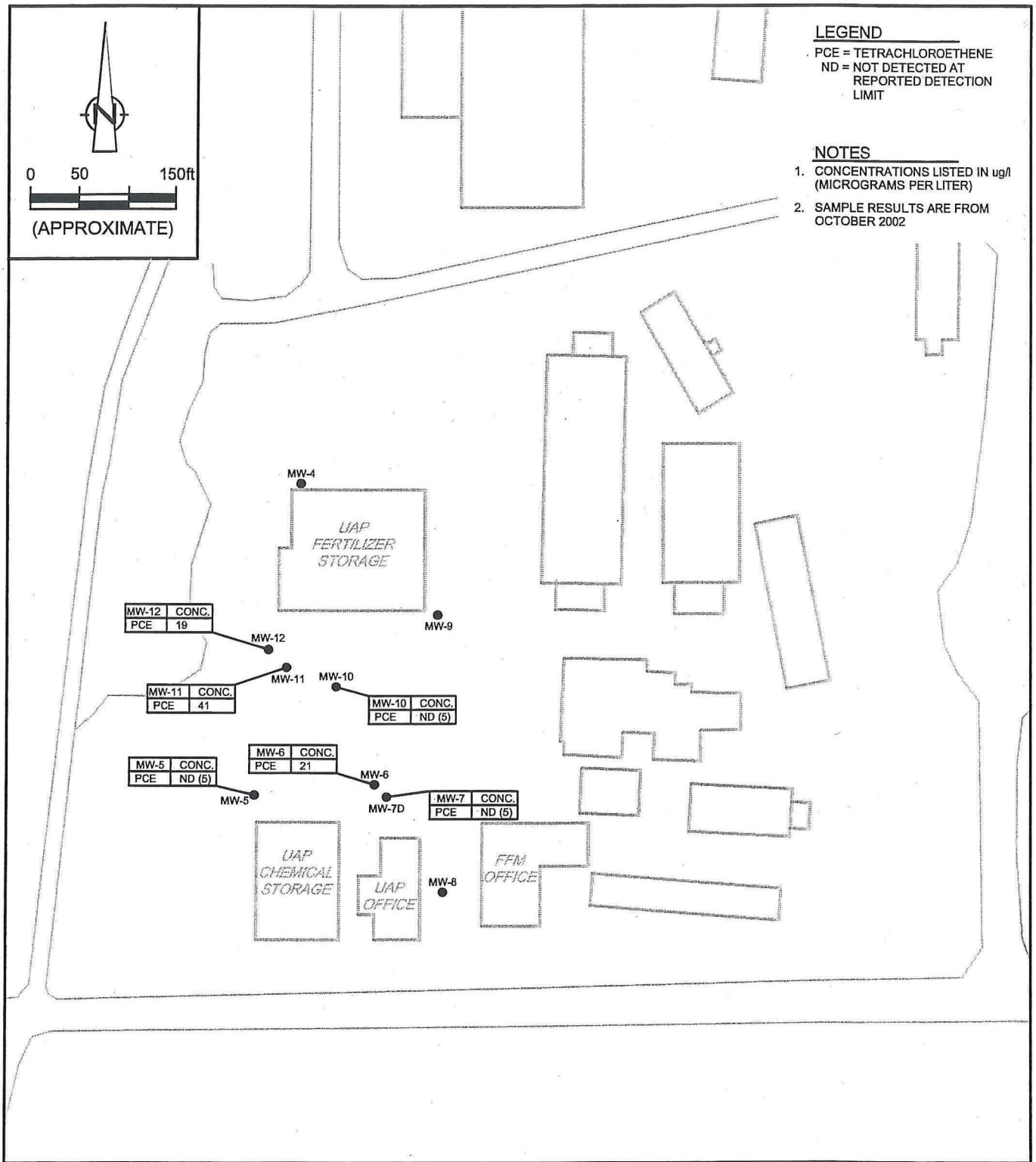
CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Lawrence, P.G.

tal/15

cc: Donna Balon, Man Group USA, Inc.

[2] At this Site, the permanganate has shown to have an extremely long "hang time" (i.e., reaction time) that can continue to attenuate PCE in groundwater over a protracted time period (6 to 12 months).



DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

figure 1

JUNE 23, 2004 CONFRIMATION SAMPLE RESULTS
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(OAKE015)GN-AT001 AUG 02/2004

TABLE 1
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) *CAS#75343*	DCE (ug/L) *CAS#75354*	TCE (ug/L) *CAS#79016*	PCE (ug/L) *CAS#127184*	VC (ug/L) *CAS#75014*
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (5)
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (5)
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (5)
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (5)
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (5)
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (5)
	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (5)
MW-12	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (5)
Type 1 RRS		4000	7	5	5	2
Type 4 RRS		4000	525	40	55	5

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1 RRS = Groundwater Criteria (Appendix III Table 1)
Type 4 RRS = Groundwater Criteria (generic assumptions)

APPENDIX M

NOVEMBER 2004 CRA STATUS REPORT

file EDF mun/
Birdsong

CONESTOGA-ROVERS
& ASSOCIATES

1351 Oakbrook Dr., Ste 150, Norcross, Georgia 30093
Telephone: (770) 441-0027 Facsimile: (770) 441-2050
www.CRAworld.com

November 16, 2004

Reference No. 18283-01

Les Oakes, Esq.
King & Spalding
191 Peachtree Street
Atlanta, Georgia 30303-1763

Dear Mr. Oakes:

Re: Status Report
Birdsong Peanut (former Farmer's Feed and Milling Company), HSI 10710
Colquitt, Georgia

Conestoga-Rovers & Associates (CRA) has prepared this status report for the former Farmer's Feed and Milling (FFM) Company (Site), now Birdsong Peanut, in Colquitt, Miller County, Georgia (HSI #10710). CRA has conducted a second sampling event following the focused injection conducted May 4-7, 2004 because CRA believed, based upon the available information, that a focused injection of potassium permanganate in the areas showing detections of PCE above RRSs would eliminate the exceedances. Since the May treatment, the majority of PCE impact has been remediated at the Site. PCE in groundwater remains above the applicable Risk Reduction Standard (RRS) for tetrachloroethene (PCE) in a discrete area as detected in monitoring well MW-11 (see Figure 1).

SITE STATUS

After an additional monitoring well (MW-12) upgradient of MW-11 (see Figure 1) was installed for background delineation purposes, a focused injection of potassium permanganate was performed during the week of May 3, 2004. Injection was conducted in a grid pattern starting from 11 feet west of MW-11[1] leading to the east by MW-10; injection also was performed near MW-6 and adjacent to MW-5.

On October 20, 2004, the second confirmatory groundwater sampling was performed to examine the long-term impact of the latest phase of injection. The results of this sampling, along with previous samplings, are summarized in Table 1. This sampling showed no detection of PCE in MW-5 and MW-7D, but showed low detections in MW-6 (25 µg/L), MW-10[2] (8.6 µg/L), MW-11(57 µg/L), and MW-12 (17 µg/L). All reported detections are less than the Type 4 RRS for PCE of 40 µg/L[3]. The samples from these wells had previously shown a strong purple color from the potassium permanganate, indicating the

[1] Injection was started to the west to avoid the potential for "pushing" PCE out from the injection area and increasing contaminant concentrations in the perimeter wells MW-11 and MW-12.

[2] MW-10 had been non-detect for PCE since the September 30, 2003 sampling.

[3] CRA is currently discussing with EPD regarding their apparent revision of the Type 4 RRS of PCE from 40 µg/L to 4 µg/L. CRA believes that the EPD decision is incorrect. CRA's basis is explained in our letter to you responding to Mr. Bob Norman's comments on the NOD for the CSR.

presence of non-reacted permanganate[4]. During this sampling event, the purple color had taken a brownish tint, indicating that the permanganate had completely reacted with the PCE.

CRA understands that Birdsong is anxious to have the Site removed from the HSI as quickly as possible. Based on previous experience, we believe that in order to request removal of the Site from the HSI, further reductions of PCE concentrations closer to the Type 1 RRS of 5µg/L would likely still be needed. Given the low levels of PCE remaining, the lack of soil impact detected, and the limited volume of groundwater in the impacted permeable zone, chemical injection still remains the most viable and cost-effective method for further remediation of the Site.

The second injection as proposed in our letter of March 10, 2004, would need to be conducted to bring the Site closer to Type 1 RRS. However, due to the low, persistent concentrations of PCE, it is difficult to justify the scope of one injection that will successfully achieve and maintain groundwater at or below the Type 1 RRS of 5 µg/L across the entire Site. The injection grid would need to blanket the entire investigation area in order to address each detection at each well. Alternately, the Site does not pose an imminent threat to human health or the environment. Consequently, long-term monitoring may be proposed in lieu of active remediation.

CRA is currently drafting a response letter to the August 27, 2004 Notice of Deficiency and Request for Corrective Active Plan from Georgia Environmental Protection Division. A draft for review will be made available by Wednesday November 17, 2004.

Please contact us if you have any questions at (770) 441-0027.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Lawrence, P.G.

tal/16

cc: Donna Balon, Man Group USA, Inc.

[4] At this Site, the permanganate has shown to have an extremely long "hang time" (i.e., reaction time) that can continue to attenuate PCE in groundwater over a protracted time period (6 to 12 months).

MONITORING WELL DATA
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well No.	Depth to Screen (ft bgs)	Screened Interval (elev in ft)	TOC Elevation (ft)	Date Measured	Depth to Water (ft bTOC)	Water Elevation (ft)
MW-4	7 - 17	86 - 76	92.70	8/2/2001	8.28	84.42
MW-5	40 - 45	56 - 51	95.57	8/2/2001	24.10	71.47
				7/9/2002	25.25	70.32
				10/29/2002	20.35	75.22
				2/11/2003	18.43	77.14
				9/30/2003	18.42	77.15
				11/7/2003	21.59	73.98
				4/14/2004	19.99	75.58
				6/23/2004	19.41	76.16
				10/20/2004	21.14	74.43
MW-6	50 - 55	45 - 40	94.26	8/2/2001	23.19	71.07
				7/9/2002	23.87	70.39
				10/29/2002	18.98	75.28
				2/11/2003	16.87	77.39
				9/30/2003	18.17	76.09
				11/7/2003	20.07	74.19
				4/14/2004	18.52	75.74
				6/23/2004	17.99	76.27
				10/20/2004	20.63	73.63
MW-7d	73 - 78	21 - 16	93.75	8/2/2001	22.16	71.59
				7/9/2002	23.36	70.39
				10/29/2002	18.43	75.32
				2/11/2003	16.42	77.33
				9/30/2003	17.46	76.29
				11/7/2003	19.42	74.33
				4/14/2004	17.98	75.77
				6/23/2004	17.52	76.23
				10/20/2004	20.11	73.64
MW-8	43 - 48	51 - 46	93.57	8/2/2001	21.75	71.82
				7/9/2002	23.27	70.30
				10/29/2002	18.33	75.24
				11/7/2003	19.30	74.27
				4/14/2004	17.92	75.65
MW-9	17 - 27	76 - 66	92.85	8/2/2001	9.33	83.52
				7/9/2002	10.09	82.76
				10/29/2002	9.49	83.36
				11/7/2003	9.45	83.40
				4/14/2004	13.77	79.08
MW-10	19 - 29		93.41	10/29/2002	11.14	82.27
				2/11/2003	10.29	83.12
				9/30/2003	11.19	82.22
				11/7/2003	12.46	80.95
				4/14/2004	13.38	80.03
				6/23/2004	11.94	81.47
				10/20/2004	13.06	80.35
MW-11	20 - 30		94.44	9/30/2003	11.19	83.25
				11/7/2003	12.08	82.36
				4/14/2004	13.03	81.41
				6/23/2004	12.57	81.87
				10/20/2004	15.36	79.08

Note:

TOC (Top of Casing) elevations referenced to arbitrary project benchmark of 100.00 ft

bgs = below ground surface

bTOC = below TOC

APPENDIX N

2005 CRA HSRA CSR

HSRA COMPLIANCE STATUS REPORT

FORMER FARMER'S FEED AND MILLING COMPANY, NOW BIRDSONG PEANUT
608 EAST MAIN STREET

(HSI SITE NO. 10710)
COLQUITT, GEORGIA

60319.019002 E. D. & F. Mann, Incorporated - Project Savannah
HSRA Compliance Status Report, Former Farmer's Feed and Milling Co., now Birdsong Peanut, HSI Site No. 10710, Colquitt, GA - Ref. No. 18283(4), prepared by Conestoga-Rovers & Associates, September 2005

HSRA COMPLIANCE STATUS REPORT

FORMER FARMER'S FEED AND MILLING COMPANY, NOW BIRDSONG PEANUT
608 EAST MAIN STREET

(HSI SITE NO. 10710)
COLQUITT, GEORGIA

Prepared by:
Conestoga-Rovers & Associates

1412 Oakbrook Drive
Suite 180
Norcross, GA 30093

Office: 770·441·0027
Fax: 770·441·2050

SEPTEMBER 2005
REF. NO. 18283 (4)
This report is printed on recycled paper.

COMPLIANCE STATUS REPORT

Portion of Southwest Quarter of
Former FFM Facility, now Birdsong Peanut
608 East Main Street
HSI Site No. 10710

CERTIFICATION OF COMPLIANCE

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

Based on my review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19.07, I have determined that the Site is in compliance with Type 1 risk reduction standards for soil, but is not in compliance with any of the risk reduction standards (e.g., types 1 through 4) for groundwater.

For Man Group USA Inc:

LES OAILES
Printed Name

Les Oailes
Signature

FOR MAN GROUP USA INC.
W/ EXPRESS PERMISSION

COMPLIANCE STATUS REPORT

Portion of Southwest Quarter of
Former FFM Facility, now Birdsong Peanut
608 East Main Street
HSI Site No. 10710

CERTIFICATION OF GROUNDWATER REPORT

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

Thomas A. Lawrence, P.G. #1385
Printed Name (Professional Geologist)

Signature (Professional Geologist)

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1.0 INTRODUCTION

1.1 PURPOSE

Conestoga-Rovers & Associates (CRA) has prepared this Revised Compliance Status Report (CSR) on behalf of Man Group USA Inc. (formerly EDF & Man, Inc.), for the former Farmer's Feed and Milling Company (FFM), now Birdsong Peanut, in Colquitt, Miller County, Georgia (Property). A Property location map is provided as Figure 1.

This CSR is submitted to fulfill continuing requirements of Chapter 391-3-19 of the Georgia Rules for Hazardous Site Response (hereinafter, Rules), in particular Rule 391-3-19-.06(3). The Rules were promulgated under authority of the Hazardous Site Response Act (HSRA) OCGA § 12-8-90 et seq. (1992). The purpose of a CSR is to document the vertical and horizontal extent of impact at the Site by substances regulated under the Rules and to document whether concentrations of and conditions for these regulated substances are in compliance with standards established in the Rules.

This facility was listed as Site Number 10710 on the Hazardous Sites Inventory (HSI) on December 17, 2001, due to the detection of tetrachloroethene (aka perchloroethene, PCE) above Notification Concentrations (NCs) in the groundwater beneath a limited portion of the Property. The HSI "Site" consists of the limited area within the Property affected by PCE. No other related regulated substances have been detected in groundwater samples or identified in on-Site soil samples above HSRA notification levels.

The first CSR for this Site was submitted in December 2003 in response to a CSR call-in from the Environmental Protection Division of the Georgia Department of Natural Resources (EPD). EPD provided review comments for the CSR on August 27, 2004, and requested revision and resubmittal following additional investigations. A request was also made for a Corrective Action Plan (CAP), which will be submitted under separate cover.

1.2 REPORT ORGANIZATION

The CSR is organized to address the informational requirements described in Rule 301-3-19-.06(3) of the Rules. The main sections of the CSR are as follows:

- **Section 2** provides an orientation to the Property: its current physical description, history of its development, history of operations, ownership history, and history of the Site's regulatory involvement;

- **Section 3** summarizes investigations and methods that have been undertaken at the Site between July 2001 and September 2005;
- **Section 4** presents the findings of the collective investigations, the nature and extent of the releases, and the probable source of those releases;
- **Section 5** describes voluntary interim remedial measures that have been undertaken at the Site;
- **Section 6** describes the potential environmental and human receptors of the releases, the applicable risk reduction standards, and the status of the Site's compliance with those standards;
- **Section 7** presents the Public Notifications; and,
- **Section 8** lists the reference documents used in the preparation of this report.

2.0 PROPERTY DESCRIPTION

2.1 PHYSICAL DESCRIPTION OF PROPERTY

The Birdsong Peanut Property is a peanut buying and shelling facility, located northeast of the intersection of the Georgia Southwestern Railroad and East Main Street (Georgia State Highway 91), in Colquitt, Miller County, Georgia. The Property location is shown on the USGS topographic map presented on Figure 1.

The Property consists of approximately 40 acres, and is located within an agricultural/commercial district with adjacent properties zoned primarily as commercial. The Property is bounded on the north by Pine Street, additional storage and operations buildings owned by Birdsong Peanut, and Yates Concrete; on the east by Pert South laboratory, commercial properties, and additional storage and operations for Birdsong Peanut; on the south by Main Street and Southern States agricultural business (agricultural chemicals and peanut buying); and on the west by the Georgia Southwestern Railroad, with residential properties further to the west. To the southwest is a former petroleum bulk storage facility owned by Tully Oil Company, previously owned by Roy W. Bush Oil Company. The base for Figure 2 is taken from a 1993 aerial photograph, and shows the Property and immediate vicinity. The land use shown for the entire area of coverage apparently has not changed since the photograph was taken.

The "Site", defined as the area affected by a release of PCE, is restricted to a limited portion of the southwest quarter of the Property east of the railroad right-of-way, between the chemical storage building and fertilizer storage building currently leased by United Agricultural Products (UAP).

Figure 2 is a scale drawing that shows the developed features of the Property. The majority of the Property that is not occupied by buildings is paved with either asphalt or concrete. The Property is flat, with a very gentle slope to the east. Stormwater runoff from Property buildings and paved areas is conveyed through paved drainage swales and ditches to catch basins connected to the municipal storm sewer, and ultimately discharges to local creeks. Additional details about the Property are provided in subsequent sections of this CSR.

2.2 PROPERTY DEVELOPMENT HISTORY

The Birdsong Peanut Property was formerly owned by Farmer's Feed and Milling Company. It is currently used for a number of agriculturally related operations

including peanut purchasing, warehousing, and shelling. The southwest portion of the Property is leased by UAP for agricultural chemical and fertilizer sales and spraying services. Prior to its current use, the Property was reportedly residential and agricultural (up to early 1950's), with a portion of the Property occupied by a lumber mill. The original Site building, presently used by UAP for fertilizer storage, was used for fertilizer production in the late 1950's. The peanut shelling and warehousing operations started at the Property in the early 1960's.

2.3 RELEASE DISCOVERY AND REGULATORY AGENCY INVOLVEMENT

A limited Phase II Environmental Site Assessment (ESA) was conducted at the Property by others in August and September 2000. Laboratory analysis of groundwater samples from three monitoring wells installed during the limited ESA detected a reportable quantity of PCE in monitoring well MW-6 (see Figure 2) at 28 µg/L, above its Maximum Contaminant Level (MCL) of 5 µg/L for drinking water. No other volatile organic compounds (VOCs) were detected in the groundwater samples. No VOCs (except for carbon disulfide) were detected during soil sampling at the Property. The carbon disulfide detection was limited to one soil sample from MW-5 at a concentration of 0.008 mg/kg, slightly above its laboratory detection limit of 0.005 mg/kg. Subsequent soil sampling conducted for verification of the detection in the vicinity of MW-5 did not detect any carbon disulfide. (The detection of the carbon disulfide is likely a sampling artifact from the use of latex or nitrile gloves; therefore, the one-time detection of carbon disulfide is not considered representative of Site conditions and is not related to the PCE release. Accordingly, carbon disulfide is not considered a regulated substance of concern at the Site for purposes of this report.)

Based on the detection of PCE at a reportable quantity (above background), an Initial Release Notification under the HSRA program was prepared and sent to EPD on March 20, 2001. Subsequent conversations with EPD personnel indicated that the decision to list the Property on the Hazardous Site Index would be deferred pending receipt of additional information on the extent of impact from PCE in Property soils and groundwater. CRA subsequently conducted further soil and groundwater investigations at the Property in July 2001.

The EPD notified FFM in its letter of December 17, 2001, that the Site had been listed on the HSI, but a CSR Call-In was not issued at that time. FFM has been conducting voluntary remediation of groundwater at the Site since May 2002. The Site was subsequently issued a CSR Call-In on March 7, 2003.

3.0 DESCRIPTION OF INVESTIGATIVE METHODS

3.1 SUPPLEMENTAL SITE INVESTIGATION

CRA performed a Supplemental Site Investigation (SSI) during the period of July 23 through August 3, 2001. The objective of this SSI was to confirm the presence and delineate the extent of impact from PCE in groundwater, and to identify what additional effort (e.g., risk assessment or corrective action) would be needed to demonstrate that the presence of PCE at the reported concentrations poses no significant risk.

The scope of work for the SSI consisted of the following:

- advancement and sampling (soil and groundwater) of 10 direct-push technology (DPT) borings;
- field laboratory analysis of the collected DPT samples for chlorinated VOCs (PCE and its related degradation products; 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, and vinyl chloride);
- installation of 2 shallow monitoring wells and 1 deep monitoring well; and
- sampling of the 3 existing wells and the 3 newly-installed wells for analysis for PCE and related degradation products.

3.1.1 DPT SAMPLING

The DPT sampling was conducted to define the extent of contaminant migration by advancing a series of DPT borings radially outward from the identified impacted area (MW-6). Sample locations for the 10 DPT borings are presented in Figure 2. Soil samples were collected continuously until groundwater was encountered in each DPT boring. Groundwater samples were also collected from the base of each DPT boring.

Prior to initiating each DPT boring, all non-sample contacting equipment (tools and sampler tubes) were thoroughly cleaned with a hot-water pressure washer and/or Alconox wash, and potable-water rinse. The DPT rig was cleaned using a hot-water rinse only, which is in accordance with EPA's November 2001 edition of the document entitled "Environmental Investigations Standard Operating Procedures and Quality Assurance Manual" (EISOPQAM), Appendix B "Standard Field Cleaning Procedures", Section B.3 Downhole Drilling Equipment. New, disposable PVC liners were placed in the soil probe tubes used to collect soil samples from each 4-foot sample interval; the liners are disposable, and used for only one sample. New nitrile gloves were donned

prior to inspection of each soil sample for material characteristics and evidence of impact, and preparation of the sample for laboratory analysis. Groundwater sampling for volatile organics from DPT borings was conducted using a low-flow peristaltic pump with new HDPE tubing following the procedure outlined in Section 7.3.3 of the EISOPQAM (the "straw method").

Following sampling activities, the borings were completed by backfilling with bentonite-clay chips. Soil descriptions and completion details were recorded by CRA and are presented on the respective Stratigraphic and Instrumentation Logs provided in Appendix A.

Soil and groundwater samples were analyzed in the field for VOCs using EPA Method 8260B. A field laboratory (ESN Southeast, Kennesaw) was used to allow additional samples to be collected or locations modified, as necessary, based on the field analytical results. Field laboratory analytical results are included in Appendix B.

Chlorinated hydrocarbons are very difficult to screen in the field using standard detection methods such as photoionization detectors or flame ionization detectors. Also, no visual or olfactory indications of impact were detected in the soil samples. Therefore, soil samples were chosen for analysis based on depth (one shallow, one deep per boring), to detect potential vertical migration indicative of a release location. Analytical results of the soil samples from the DPT borings detected the presence of PCE in 3 of the 22 samples collected (see Table 1 and Figure 3). PCE was detected at concentrations of 28 µg/kg, 7.5 µg/kg, and 21.3 µg/kg in samples from borings BH-3, BH-6, and BH-8, respectively; all three samples were from below 19 feet bgs. No other chlorinated VOC was detected in any soil sample.

Analytical results of the groundwater samples from the DPT borings detected concentrations of PCE at 108 µg/L, 23 µg/L, and 118 µg/L, in only 3 of the 22 DPT samples (see Table 2 and Figure 4). These samples were collected from borings BH-3, BH-6, and BH-8, the same DPT borings that contained detected concentrations of PCE in the deeper soil samples.

3.1.2 MONITORING WELL INSTALLATIONS

Based on the findings of the DPT sampling, two additional shallow monitoring wells (MW-8 and MW-9) were located upgradient and laterally downgradient of the existing monitoring well MW-6 (see Figure 2) to define by triangulation, in conjunction with the existing "clean" well MW-5, the extent of impacted groundwater in the vicinity of MW-

6. Deep well MW-7D (78 feet) was installed downgradient from the known impacted area to determine if contamination had migrated downward below the first encountered saturated zone, and to define stratigraphy below 50 feet below ground surface (bgs). Actual completion depths of wells MW-8 and MW-9 were 48 feet and 27 feet bgs, respectively[1]. Boring logs and construction details for all new monitoring wells and existing wells are included in Appendix A.

Each of the three new monitoring wells was constructed of 2-inch I.D. PVC casing, with a 5-foot long factory-slotted screen. The wells were completed with a lockable, flush-mount protective cover and concrete pad. Sample collection techniques, well development and purging procedures, sample handling and preservation procedures, equipment decontamination, and chain-of-custody procedures were conducted in accordance with standard practice and with methodologies prescribed in EISOPQAM. The wells were developed by pumping sediment-laden water with a submersible PVC pump. Development was considered complete when turbidity had been minimized, indicator parameters had stabilized, and at least 5 well volumes (or a maximum of 50 gallons) had been removed. Prior to purging, water levels were measured relative to the top of each well casing using an electric water level tape. Groundwater sampling for volatile organics was conducted following the "straw method". Groundwater samples were submitted to a fixed laboratory (Analytical Environmental Services, Atlanta) for analysis. Fixed laboratory analytical reports are contained in Appendix C.

Initial sampling of the monitoring well network for the SSI in 2001 showed detectable concentrations of PCE (see Table 5) in only 2 wells, MW-5 (8.8 μg/L) and MW-6 (23 μg/L). Monitoring well MW-5 had originally shown no detectable concentrations of PCE during the limited ESA.

Based on the previous limited ESA and the data collected for the SSI, the following conclusions were drawn:

1. Analytical results of all soil and groundwater samples detected the presence of only one regulated substance (PCE) in soil and groundwater. No degradation products associated with PCE or any other VOCs had been detected on the Site.
2. Site investigations indicated that the PCE-impacted zone is of limited extent both laterally (within an approximate 100-foot radius) and at depth (from 20 to 50 feet bgs). The impacted area was delineated roughly by monitoring wells MW-8, MW-5,

[1] Site investigations do not show the coexistence of two independent permeable zones at the 20 and 45-foot depth zones (approximately); rather, only one permeable zone at each location is commonly detected, and groundwater is encountered when that zone was reached.

MW-9, and boring BH-10, with the center roughly in the vicinity of BH-3. The shallow weathered limestone horizon encountered in MW-4 and MW-9 does not show any impact from PCE, nor does the deeper groundwater zone encountered in MW-7D.

3. Concentrations of PCE in two soil samples from BH-3 and BH-8, slightly above the HSRA Soil Notification Concentration of 18 μg/kg, were detected at depth only, within the saturated zone. This suggests that the detection of PCE in the soil samples is a result of migration of dissolved PCE in shallow groundwater or vapor phase, and does not infer a soil impact zone.
4. The groundwater concentrations of PCE detected in DPT borings BH-3, BH-6, BH-8, and in wells MW-5 and MW-6 were all above Maximum Contaminant Level (MCL) of 5 μg/L for drinking water.
5. The area of groundwater impact appears to be limited to a portion of the southwestern quarter of the Property, within a (roughly) 100-foot radius.

3.2 ADDITIONAL SITE INVESTIGATIONS

The results of the SSI have confirmed that the soil at the Site complies with the Type 1 Risk Reduction Standards (RRS). Subsequent to the SSI, a series of additional Site investigations have been performed in an effort to further define the degree, as well as extent, of impact to groundwater. The additional field investigations performed included:

i) Advancement of 13 investigatory borings, each to groundwater;

ii) Collection of continuous soil samples from each borehole;

iii) Selection of up to 2 soil samples from select borings (based on depth) for laboratory analysis;

iv) Collection of a groundwater sample from the bottom of each of the DPT borings for laboratory analysis;

v) Installation of eight new shallow monitoring wells and one new deep monitoring well to supplement the existing monitoring well network;

vi) Sampling of existing monitoring wells and newly-installed wells for VOCs in groundwater;

vii) A field survey of all sampling locations; and,

viii) Performance of three instantaneous change in head (slug test) tests for determination of hydraulic properties of the underlying water-bearing zones.

These focused investigations were conducted primarily in April 2003 and August 2005. However, two of the additional eight wells were installed in September 2002 and August 2003, as part of interim remedial activities (see Section 5.0).

Groundwater sampling from either DPT or auger borings was conducted as a means of determining the approximate areas of potential impact, and for efficient placement of monitoring wells. This series of additional samplings and well installations was conducted in order to complete the definition of soil and groundwater impact, with the ultimate objective of providing monitoring points and performing voluntary Interim Remedial Measures to address residual VOC concentrations observed on Site (see Section 3.3). Analytical results of soil and groundwater samples are contained in Tables 1 and 2. Long-term water level measurements from monitoring wells are shown in Table 3; field parameters during purging are contained in Table 4; and well sample results are contained in Table 5.

3.2.1 INVESTIGATORY BORING SAMPLING

Focused sampling was conducted at the Site at strategic locations in the vicinity of the fertilizer storage and chemical storage buildings (see Figure 2). A series of 13 borings were advanced using DPT (7 borings) in April 2003, and by hollow-stem auger (6 borings) in August 2005. Soil and groundwater samples were collected from the borings and submitted for laboratory analysis for volatile organic compounds (VOCs). A total of 22 soil and 12[2] groundwater samples were collected from the borings.

As for the DPT sampling conducted for the SSI, a field laboratory (ESN Southeast, Kennesaw) was used to analyze the soil and groundwater samples collected by DPT in 2003. For the sampling in August 2005, the samples were submitted to a fixed laboratory (Analytical Environmental Services, Atlanta). The soil samples submitted to the fixed laboratory were field-preserved in accordance with Method 5035, in specially-prepared vials with a solution of sodium bisulfate or (for higher levels of VOCs) methanol.

PCE was detected at concentrations below its Notification Concentration in the soil samples collected from the three borings (BH-17 through BH-19) centrally located between the two buildings (see Figure 3).

[2] Although the 40-foot DPT boring BH-15 was allowed to stay open overnight, groundwater was not encountered in this boring.

PCE was detected in 8 of the 12 groundwater samples; 5 of the groundwater samples contained PCE at concentrations above the MCL of 5 μg/L. The highest concentration of PCE detected was 48.7 μg/L, in the sample collected from BH-17, within the area that has shown the highest impact from PCE (see Figure 4).

Note: due to the degree of difficulty associated with finding first water because of the discrete perched zones, the depth of water sampled from each boring is given along with sample results in Table 2. (For example, the depth of water encountered in the series of 4 borings BH-15, BH-10, BH-12, and BH-16, each roughly located 20 feet apart from west to east, is as follows: BH-15, dry to 40 feet; BH-10, 50 feet; BH-12, 16 feet; BH-16, 40 feet.)

3.2.2 ADDITIONAL MONITORING WELL INSTALLATIONS

Initially, a limited plume of impacted groundwater was presumed to lie roughly between wells MW-5 and MW-6, and borings BH-3 and BH-8, based on detections of PCE in groundwater. Monitoring well MW-10 was located in the vicinity of BH-3 as a permanent monitoring point in that area[3]. That well then became the center of the limited plume when a groundwater sample from it showed a PCE detection of 130 μg/L. In an effort to delineate western extent of impact, three additional wells (MW-11, MW-12, and MW-16) were located to the west of MW-10. These wells also served to help refine the location of the plume to between MW-10 and MW-11. A second deep well, MW-17D, was also installed in the centroid of the plume to delineate extent of impact vertically.

In August 2005, three shallow (13 to 20 feet deep) monitoring wells were installed to the south (MW-13), southwest (MW-14), and southeast (MW-15) of the centroid of the plume, adjacent to deeper (approximately 40 feet deep) wells, in an effort to detect transient shallow groundwater migration and impact. Their installations were facilitated by the increase in water levels (approximately 10 feet, see Figure 6) measured in wells since October 2004, due to the high volume of precipitation during that period[4].

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[3] In approximately mid-2002, the southern portion of the UAP fertilizer building was reduced in size; it formerly extended to the approximate location of MW-12 (see Figure 2). This allowed the expansion of the investigations to the north.

[4] It should not be presumed, based on the water level data collected after the extended high-rainfall period, that there are two laterally extensive saturated zones within the shallow soils above limestone bedrock at the Site. The occurrence of these zones (roughly at 20 feet and at 40 feet) is temporal, highly dependent on precipitation, with lateral extent of the zones dependent on volume of rainfall infiltration. During the majority of Site investigations, only one zone was encountered during sampling. It is

A summary of historic monitoring well analytical results is presented in Table 5.

3.3 DETERMINATION OF GROUNDWATER FLOW DIRECTION AND RATES

The groundwater beneath the Property lies at depths ranging from approximately 10 to 20 ft below grade (bg), depending on the depth of the saturated horizon. The groundwater surface elevations and flow directions calculated from groundwater levels measured on September 9, 2005, are shown on Figures 5A ("20-foot zone") and 5B ("40-foot zone"). In order to calculate a conservative gradient with as many wells as possible, the Excel® spreadsheet method available from the University of Kansas (www.geo.ku.edu/hydro/KUHydro.html) was used to calculate hydraulic gradient from the data sets (2003, J.F. Devlin[5]). Using the data for the two zones, this method of calculating the Site gradient (worksheets attached) produced a Site hydraulic gradient of 0.0064 ft/ft for the "20-foot zone" with a gradient of -20.2° off x-axis (east-southeast), and 0.0030 for the "40-foot zone" with a gradient of -77.5° off x-axis (south-southeast)[6]. The spreadsheet calculations are included in Appendix D.

A series of slug tests (rising head) were performed in two monitoring wells, MW-8 ("40-foot zone") and MW-9 ("20-foot zone"). Hydraulic conductivities were calculated with the computer program AQTESOLV® using the Bouwer and Rice (1976) straight-line analytical method, modified for confined aquifers (Bouwer, 1989). Head values collected during the field tests, as well as graphical displays of the fitted curves, are provided in Appendix E. The calculated hydraulic conductivity values were 4.0×10^{-5} centimeters per second (cm/s) in MW-8 and 3.1×10^{-7} cm/s in MW-9. This range of hydraulic conductivity values corresponds with the range of values typically associated with silty clay loam and silty clay (van Genuchten, et. al, 1991; Freeze and Cherry, 1979).

Average linear velocity (Freeze and Cherry, 1979) of groundwater flow was calculated using the discharge velocity (from Darcy's Law) divided by effective porosity to express flow through a porous medium:

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anticipated that most, if no all, of the new shallow wells will go dry during the dry season. This is evidenced by the 3-foot drop in water levels during the 3-week period from August 19 to September 12, 2005.

[5] "A Spreadsheet Method of Estimating Best-Fit Hydraulic Gradients Using Head Data from Multiple Wells," Ground Water, Vol. 41 No. 3.

[6] Visual inspection of data on Figure 5B suggests that the water elevation observed in MW-6 could be an outlier, and hydraulic gradient should be south-southwest.

$$V_p = \frac{K}{n_e} \times \Delta H \times 1034645.7$$

where

V_p = average linear velocity (feet/year);

K = hydraulic conductivity (centimeters/second);

ΔH = hydraulic gradient (unit-less);

n_e = effective porosity (unit-less); and

1034645.7 = conversion factor between cm/s and ft/yr.

Referenced effective porosities for silty clay range from 0.24 for SESOIL to 0.36 for Carsel and Parrish (1988: "Developing Joint Probability Distributions of Soil Water Retention Curves", Water Resources Research). A more appropriate value would be 0.321, from Rawls et al. (1982: "Estimating Soil Water Properties", Transactions, ASAE). Therefore, assuming an effective porosity of 0.321, the calculated average linear velocity for the two zones are 0.006 foot per year ("20-foot zone") and 0.39 foot per year ("40-foot zone"). Average linear velocity is not indicative of the actual rate of contaminant migration; due to various retardation and natural attenuation processes that apply to dissolved contaminants, but not to the water itself, average linear velocity may significantly overstate the rate of contaminant migration.

4.0 SIGNIFICANT FINDINGS OF THE COLLECTIVE INVESTIGATIONS

4.1 PROPERTY HYDROGEOLOGY

Colquitt lies within the Dougherty Plain District of the Coastal Plain Province. The Dougherty Plain is a northeast-trending, wedge-shaped, level to gently rolling lowland that pinches out where the Fall Line Hills and the Tifton Upland meet. The northwestern boundary is gradational from the Fall Line Hills and occurs where the slopes become more gentle and the relief is low; the 250 foot elevation approximates this boundary. The southeastern boundary is the base of the Pelham Escarpment, which separates this distinct from the Tifton Upland. The region slopes southwestward with maximum elevations of 300 feet in the northeast to a minimum elevation of 77 feet at Lake Seminole. The flat to very gently rolling topography is interrupted by numerous sinkholes. Karst topography prevails in this district, and many sinkholes, still actively forming, are the sites of numerous ponds and marshes. The karst topography is formed on the underlying Ocala Group and Suwannee Limestones (southwest of Miller County) of Eocene and Oligocene age, respectively.

The Dougherty Plain is underlain by surficial residuum consisting of varied-colored clay and fine to coarse, subangular sand, not generally water bearing (Mitchell, 1981). Surficial sediments are underlain by the limestones of the Eocene-age Ocala Group. The Ocala varies from a porous, cream to white, loose coquina of large foraminifers and shells to a brown, solution-riddled, echinoid-rich limestone. Locally, the top of the limestone is sometimes replaced by chert. Depth to the top of the Ocala is approximately 100 feet in Miller County (Herrick and Vorhis, 1963). The Ocala Group underlies south Georgia from the Dougherty Plain all the way south to the Florida Keys. Groundwater flow within the principal artesian aquifer (Ocala Group limestone), which is the main source of municipal groundwater in southwest Georgia, is to the south (Mitchell, 1981). The town of Colquitt utilizes the Ocala as its groundwater source (Wait, 1960).

Local shallow stratigraphy, as defined by the investigations conducted at the Site and surrounding Property, consists of undifferentiated sands, clays, and discontinuous weathered limestones to a depth of approximately 80 feet. Depth to competent bedrock has not been determined at the Property, but is probably within 100 feet of land surface. Two discrete and discontinuous weathered limestone horizons have been encountered at the Property. A shallow weathered limestone at 14 to 20 feet bgs was encountered only on the northern portion of the Property in two wells (MW-4 and MW-9) and in four DPT borings (BH-3, BH-4, BH-6, and BH-8). A deeper limestone horizon was

encountered at 44, 54, and 40 feet bgs in MW-5, MW-6, and MW-8, respectively. Cross-sections showing the Property stratigraphy (location shown on Figure 7) are presented on Figures 8A and 8B.

Shallow groundwater in the Dougherty Plain area can occur in discrete, discontinuous perched zones, the occurrence depending on stratigraphic variations (2005, pers. comm.; Debbie Gordon, USGS). Water levels also commonly respond quickly to precipitation events. The unconsolidated material above the Ocala Group limestone bedrock acts as a leaky aquitard, consisting mostly of sandy clay. The weathered limestone zones within the unconsolidated material act as preferential pathways for groundwater flow. However, due to their discontinuous nature laterally, the storage is not significant and migration potential highly limited. In essence, these zones act more like individual perched zones than continuous permeable zones.

During Site investigations, sampling was conducted to first groundwater, which typically was encountered in each borehole at the first major lithologic change (first limestone horizon beneath sandy clay). These saturated zones are confined, and depending on depth of encounter, water levels rose from 4 feet (shallow horizon) to 25 feet (deeper horizon) above the top of the limestone. Site conditions did not show the coexistence of two independent permeable zones at the 20 and 40-foot depth zones (approximately); rather, only one permeable zone at each location was detected, and groundwater was encountered when that zone was reached. The shallow and deeper limestone horizons apparently are not hydraulically connected, as evidenced by an approximate 12-foot difference in respective potentiometric levels (see Table 3).

The flow direction in the shallower zone is shown by the water level measurements taken in MW-9, MW-10, MW-11 and MW-13 through MW-16, with a general trend more westerly than that within the deeper horizon (Figure 5A). Although the shallow limestone was not encountered in wells MW-10 and MW-11, the proximity to nearby DPT borings that did encounter the limestone, and the shallow depth to groundwater infer their relationship to the shallow zone. Groundwater flow direction in the deeper limestone horizon, as determined by water level measurements taken in wells MW-5, MW-6, MW-7D, MW-8, and MW-12 is to the south (Figure 5B).

4.3 NATURE AND EXTENT OF CONTAMINATION

Conclusions of the Site delineation efforts are as follows:

1. soil sampling investigations conducted at the Site have not positively identified a surface entry location (i.e., the spot where the PCE was released) or area of significant soil impact, even though a total of 23 borings have been sampled within a circle with an approximate radius of only 200 feet. The extensive soil sampling performed to date indicates on Site soils comply with Type 1 RRS;
2. impacted groundwater is within a permeable zone of limited permeability and degree of water saturation;
3. horizontally, the area of impact appears to be limited to an area approximately 150 feet (northwest to southeast) by 50 feet;
4. depth of impact has shown to be limited to within 20 to 50 feet bgs;
5. concentrations of PCE in groundwater are roughly within one order of magnitude of the detection limit (5 μg/L);
6. the configuration of PCE impact in groundwater at the Site shows the greatest concentrations to be in the center of the Site; and,
7. the aqueous (dissolved) contaminant plume, defined by MW-10 and MW-11, suggests that the initial release was in that area.

4.4 CONCEPTUAL MODEL OF CONTAMINANT MIGRATION

Chlorinated solvents such as TCE and PCE (as well as their degradation products cis-1,2-dichloroethene and vinyl chloride) are dense, nonaqueous phase liquids (DNAPLs[7]), meaning that they are more dense than water, and are hydrophobic (do not mix well) in water. When spilled on the ground in sufficient quantities, a chlorinated solvent will migrate downward through soil by the force of gravity. As it progresses downward through the unsaturated zone, it leaves behind residual liquid (residual saturation) that gets trapped in the pore spaces by interfacial (surface) tension effects (Mercer and Cohen, 1990; USEPA, 1996). It can only continue its downward migration if there is sufficient volume to replenish the chlorinated solvent that gets trapped in soil pore spaces along the way, (Schwille, 1988). Residual droplets of fluid that are trapped within the soil pores in the saturated zone serve as a chemical contaminant source to the groundwater (USEPA, 1991). The groundwater that flows through the "hanging curtain" of residual droplets in the soil within the saturated zone will transport dissolved PCE horizontally along with the flow of groundwater.

[7] The ganglia of micro-globule droplets held under capillary forces in the pore spaces of the soil matrix (Kram et al., 2001) are referred to as residual DNAPL.

Because of the lasting effect of residual saturation, the greatest concentrations of soil (residual) and groundwater (dissolved) impact from chlorinated hydrocarbons typically correspond with the location(s) of initial release. Concurrently, a zone of impact, horizontal or vertical, can be traced back, more or less continuously, from lowest concentration of impact to the approximate source area. Chlorinated hydrocarbons do not separate into slugs or isolated pockets, but leave behind a trail of droplets adsorbed in the soil pores, like breadcrumbs, back to the origin.

Given a fixed volume of dissolved PCE at the source or release area, it is not possible for PCE to spread beyond a certain length of porous medium without continued volume (excess volume and head pressure) of PCE added at the source. Soil sampling suggests that a source area does not remain at the Site. The transient nature of saturation related to precipitation and variable flow directions between the shallow and deeper permeable zones infer that the shallower zone is perched, and is not part of the local groundwater flow regime. Also, the calculated groundwater flows at the Site are extremely slow, less than one foot per year. Thus, the investigations at the Site suggest that the configuration of the dissolved plume, is stable and would not migrate beyond or below present boundaries of the plume.

4.5 POTENTIAL SOURCES

Neither FFM nor Birdsong Peanut has reportedly used PCE as part of regular Site operations. Chlorinated solvents such as PCE are not typically used in handling or processing food products such as peanuts. Also, they are not generally used for agricultural applications such as fertilizing or pest control. Site investigations did not detect a source area. However, the current Site employees report that a small shed formerly located in the vicinity of DPT boring BH-3/well MW-10 had been used for limited equipment and/or vehicle maintenance, that could have used degreasing agents. This could represent the potential source of PCE. However, no maintenance activities have reportedly been conducted at that location in the past 20 years.

The configuration of the dissolved PCE plume centered on MW-10 suggests that this area could have been the original release area. Based on the lack of soil impact, the small groundwater impact area, and the relatively low detected PCE groundwater concentrations, any release from this area was likely small in volume. The highest PCE concentrations observed have been 0.1% of the solubility of PCE, indicating the absence of free-phase or residual DNAPL.

5.0 VOLUNTARY INTERIM REMEDIAL MEASURES

Based on the results of the ongoing investigations, Man Group and Birdsong Peanut elected to conduct limited voluntary interim remedial measures at the Site as a means to eliminate, control, or minimize potential risk represented by the Site. The voluntary remedial technology used, verbally approved by EPD, has been in-situ chemical injection of potassium permanganate for oxidation of the observed chlorinated hydrocarbon, PCE. The injection program was designed and implemented in an iterative manner, with focused injections based on the results of confirmatory sampling conducted. A notification[8] of pilot-scale injection was sent to the Underground Injection Control, Water Resources Branch of EPD, for these interim measures.

Potassium permanganate has been pressure-injected into the subsurface using direct push technology (DPT) in four iterations, with each application focused on a particular area. The trend in PCE concentrations versus time for representative wells is presented in Figure 10. These injections are summarized below.

5.1 FIRST IN-SITU CHEMICAL TREATMENT

The first injection was conducted in May 2002, at 10 DPT boring locations across the Site (see Figure 11). Approximately 50 gallons of permanganate (a 1% solution by weight) was injected at each of the injection points, at depths of 25 to 35 feet. After three month's time, monitoring well sampling indicated that the PCE in the vicinity of MW-6 had been oxidized. However, the PCE detected in MW-5 (8 μg/L) was slightly above the MCL for PCE of 5 μg/L.

5.2 SECOND IN-SITU CHEMICAL TREATMENT

A second injection was performed on September 4 and 5, 2002. A fourth monitoring well (MW-10) had been installed in the vicinity of BH-3 (Figure 2), and sampled before the second injection took place; sampling results showed PCE was detected at a concentration of 130 μg/L. (This well was completed as a 1-inch diameter PVC well

[8] Prior to undertaking the first injection, CRA had prepared and submitted the documentation for requesting a UIC permit. However, EPD's Underground Injection Control Branch advised CRA that as long as the corrective activities were voluntary, being conducted under HSRA, and results were being reported to HSRA, then no UIC permit would need to be issued. Rather, the work could proceed as a pilot program with notification given in lieu of a permits. Used judiciously, pilot injections are allowed on a by-case basis for voluntary actions; CRA has followed this procedure to satisfy the requirements of UIC.

with a 10-foot screen, flush mount completion.) One hundred gallons of potassium permanganate at 5% by weight was pressure-injected into the subsurface using DPT at 10 boring locations focused between MW-5, MW-6, and the new well MW-10.

Monitoring wells MW-5, MW-6, MW-7D and MW-10 were sampled on October 29, 2002, approximately 8 weeks after the second injection. The results of the sampling showed that the PCE in the vicinity of MW-6 and MW-10 had been oxidized, and confirmed the absence of degradation parameters (cis-1,2-dichlorethene, vinyl chloride) in all groundwater samples. However, the PCE detected in MW-5 at 9.1 μg/L still remained above the Maximum Contaminant Level (MCL) for PCE of 5 μg/L. (A detection of PCE at 6.1 μg/L in the deeper well MW-7D was considered suspect since it is not physically possible for the injection process to cause the downward migration of PCE on the order of 20 feet through a silty clay.)

A follow-up sampling event was conducted on February 11, 2003. The results of this sampling confirmed the absence of PCE in MW-7D. However, the analytical results showed a low detection of PCE just above detection limits in MW-6, and PCE in the new monitoring well, MW-10, (reduced from 130 μg/L to non-detect after the previous injection) had rebounded to 120 μg/L. This rebound could have been related to the rise in Site groundwater levels over the period of July 2002 to February 2003, on the order of 7 feet. It is possible that there was a "smear zone" of PCE trapped within the soil near MW-10, formerly above the groundwater, that had been dissolved into the groundwater, causing the apparent rebound. However, the lack of PCE detections in soil lessens the possibility of a significant smear zone. Such a rebound could also be from a combination of flushing effects from the injected liquid, and from insufficient volumes of injectant to react with PCE in the groundwater.

5.3 THIRD IN-SITU CHEMICAL TREATMENT

After MW-11 was installed on August 12, 2003, approximately 250 gallons of a 6% potassium permanganate solution was injected in each of 10 injection borings located along a line running northwest-southeast from MW-10 to MW-6. On September 30, 2003, confirmatory groundwater sampling showed no detection of PCE in MW-7D and MW-10, but showed detections in MW-5, MW-6, and MW-11 of 8 μg/L, 20 μg/L, and 430 μg/L, respectively.

The reported concentration of PCE in the sample from MW-11 was suspect based on the results of the previous investigation performed in April 2003, and distance from the center of the plume as delineated by other monitoring wells and borings. However,

since the stratigraphy at the Site consists of isolated lenses of weathered limestone in clay, it is possible that MW-11 intercepted a small lens of limestone, undetected by the DPT borings in the vicinity, that acts as a "sponge" due to its higher permeability, holding groundwater showing higher impact from PCE.

Additional confirmation sampling was conducted on November 7, 2003. Monitoring wells MW-5 through MW-7D, and MW-9 through MW-11 were sampled. The results of the sampling showed no PCE remaining at the Site except for MW-5 at 5.5 μg/L, slightly above detection limits, MW-6 at 29 μg/L, and MW-11, which showed a detection of PCE at 180 μg/L. This detection in MW-11, lower than the original detection, supports the possibility of dissolved PCE having been flushed to the west from the vicinity of MW-10.

5.4 FOURTH IN-SITU CHEMICAL TREATMENT

After an additional monitoring well (MW-12) upgradient of MW-11 was installed for background delineation purposes, a focused injection of potassium permanganate was performed during the week of May 3, 2004. 250 gallons of 6% potassium permanganate solution was injected in each of 10 injection borings oriented in a grid pattern starting from 11 feet west of MW-11[9] leading to the east by MW-10; injection also was performed near MW-6 and adjacent to MW-5.

On June 23, 2004, confirmatory groundwater sampling was performed to determine the impact of the latest phase of injection. The results of this sampling, along with previous samplings, are contained in Table 5. This sampling showed no detection of PCE in MW-5, MW-7D, and MW-10, but showed low detections in MW-6, MW-11, and MW-12 of 21 μg/L, 41 μg/L, and 19 μg/L, respectively.

On October 20, 2004, the second confirmatory groundwater sampling was performed to examine the long-term impact of the latest phase of injection. This sampling showed no detection of PCE in MW-5 and MW-7D, but showed low detections in MW-6 (25 μg/L), MW-10 (8.6 μg/L), MW-11(57 μg/L), and MW-12 (17 μg/L).

The sampling shows that the Site is at stasis, with the highest observed concentration of PCE (MW-11) at 50% of the previous observation, but the remaining wells not showing a significant change. The overall concentrations of PCE in the limited groundwater contaminant plume have been significantly reduced, at least by an order of magnitude,

[9] Injection was started to the west to avoid the potential for "pushing" PCE out from the injection area and increasing contaminant concentrations in the perimeter wells MW-11 and MW-12.

through the use of potassium permanganate injection. The monitoring well located on the western perimeter of the Site, MW-5, has remained non-detect since November of 2003. However, levels of PCE at MW-6 and MW-11 remain above the RRS of 5.0 μg/L.

6.0 RISKS POSED BY CURRENT SITE CONTAMINATION

Preceding sections of the CSR described the distribution of contamination at the Site, without regard to the contamination's potential impact on human health or the environment. In the following sections, we describe what is known about potential receptors, followed by a comparison of actual concentrations at the Site to the Risk Reduction Standards (RRS) of the HSRA rules.

The Site is surrounded by a fence that is open at the front entrance and at the back entrance. The Site is active, with employees on Site (less than 24 hours). The impacted area is well within the property boundary fence, and is of limited extent both laterally (within an approximate 100-foot radius) and does not extend up to the ground surface (i.e., contamination is below pavement, typically at depth from 20 to 50 feet bgs). No other property is impacted, or is expected to be impacted by this release.

6.1 POTENTIAL RECEPTORS

6.1.1 POTENTIAL EXPOSURE TO SOILS

The results of the CSR activities indicate that no analyzed parameters in the collected soil samples were detected at concentrations above the residential Type I Soil RRSs. PCE was detected in a total of only 12 of 46 soil samples at concentrations ranging from 3.2 µg/kg to 29 µg/kg, well below the RRS of 500 µg/kg. Moreover, the entire Property has limited access, and is concrete or asphalt-paved with no access to subsurface soil. The impacted area is well within the property boundary fence, and is of limited extent both laterally and at depth. Consequently, the potential for direct human exposure to contaminated soil at the Site does not exist. The Site complies with all Type 1 RRS for soils

6.1.2 POTENTIAL EXPOSURES TO SURFACE WATER

Other than stormwater drainage ways, there is no naturally occurring surface water located at the Property. The majority of the Property is paved, and there is at least 10 feet of unsaturated soil beneath the pavement. Therefore, the potential for surface water contamination at the Site is negligible. It does not appear that any impact to or migration of surface water contaminated by PCE is occurring at the Site. Any surface runoff generated at the Property would either infiltrate unpaved areas surrounding the parking lot, or be intercepted by the storm sewer inlets in paved areas. There were no

contexts discovered where water emerges from beneath the buildings or pavement and becomes surface water.

6.1.3 POTENTIAL EXPOSURES TO GROUND WATER

There is no apparent potential for exposure to substances released from the Site through exposure to groundwater. The Property, surrounding agricultural/commercial operations and residences are served by public water, which comes from the Ocala Group limestones at depth and under artesian pressure. Although there is detectable impact to shallow groundwater in a limited portion of the Site from PCE above MCLs, the potential for off-Site migration is extremely low.

There is a municipal well (Colquitt Number 3) located approximately 400 feet to the west of the Site. According to the local municipal authority, this well is completed in limestones of the Ocala Group (Floridan aquifer), is believed to be cased to around 180 feet, and typically shows a drawdown of approximately 44 feet below grade. The location of this municipal well is cross-gradient to the flow directions observed in Site wells, and is screened approximately 130 feet deeper than the deepest observed impact at the Site. Ignoring the flow direction, and assuming a conservative assumption of isotropic permeability within the shallow clays (given the slow horizontal flow rate of less than one foot per year), vertical time of travel directly at the well head cone of depression would be around 300 years from the saturated zone to the screened zone. Thus, the municipal well is not considered a receptor.

6.2 APPLICABLE RISK REDUCTION STANDARDS

Section 391-3-19-.07 of the Rules allows for the determination of risk reduction standards (RRSs) that are protective of human health and the environment. The Rules provide for five alternative types of RRSs against which a site's compliance status may be evaluated. The RRS Types are described below:

- Type 1 – based on standardized exposure assumptions for residential properties;
- Type 2 – based on Site-specific exposure determinations for residential properties;
- Type 3 – based on standardized exposure assumptions for non-residential properties;
- Type 4 – based on Site-specific exposure determinations for non-residential properties; and

- Type 5 – based on the use of engineering and institutional controls such as caps, slurry walls, fences, deed restrictions, etc. to minimize risk at any type property when it is not appropriate and/or practical to apply Type 1-4 standards.

The area (Site) known to have been impacted by (or suspected of having been impacted by) releases at the Property is limited to an area that is in a land use that meets the definition given in the Rules for "non-residential property." As such, the Type 3 risk reduction standards (Type 3 RRS) and Type 4 risk reduction standards (Type 4 RRS) of the Rules would be applicable. The use of engineering and institutional controls is not applicable at the Site, thus Type 5 risk reduction standards are not offered for comparison.

6.3 STATUS OF SITE'S COMPLIANCE WITH RISK REDUCTION STANDARDS

The only regulated substance present at concentrations above RRS at the Site is PCE. The Type 1 RRS for PCE (not a metal, and thus not in Rule 391-3-19 Appendix III Table 2) in soil is the largest concentration of either the Appendix I Notification Concentration for soil (180 µg/kg) or 100 times the Appendix III Table 1 Groundwater Criteria (=500 µg/kg). Based on the soil data collected at the facility, the Site is in compliance with Type 1 RRSs in soil. The minimal detections of PCE in soil were observed in 3 of 35 soil samples, taken from within the saturated zone at a depth below 19 feet, and reflect groundwater impact. However, all samples taken from within and also below the unsaturated zone are either non-detect or well below 500 µg/kg.

Until such time that peer review scientists at EPA have accepted official USEPA dose response values by listing it on IRIS, CRA recognizes that the Type 1/3 RRS are the least restrictive most appropriate cleanup standards for most many chlorinated hydrocarbons in groundwater, and will utilize those RRS. The data collected to-date for the CSR show that the Site does not comply with the Type 3 RRS for groundwater for PCE. The Type 3 RRS for PCE is its MCL, 5 µg/L. Samples collected at monitoring wells MW-6, MW-11, MW-12, MW-13, and MW-16 currently exceed the Type 3 RRS for PCE. At well MW-10, which formerly showed the highest PCE concentrations, the PCE concentration has been below the Type 1 RRS for the past 2 years except for one detection in October 2004.

The vertical extent of impact to groundwater from PCE has been delineated by MW-7D and MW-17D. The non-detect of PCE in groundwater samples from these wells, adjacent to wells MW-10 and MW-6, indicates that the impact from the chlorinated

hydrocarbon PCE is limited to at least within 50 feet of ground surface. This limited area of groundwater impact does not meet the RRS for PCE in groundwater.

7.0 PUBLIC PARTICIPATION

In accordance with the public participation requirements at Rule 391-3-19-.06(5), a notice of the availability of this CSR is being prepared for publication, within 7 days of the CSR's submittal to EPD, in the legal advertisements section of the Colquitt Chronicle newspaper:

PUBLIC NOTICE
Portion of Southwest Quarter of
Former Farmers Fertilizer and Milling Facility, now Birdsong Peanut
608 East Main Street
Colquitt, Georgia

The Georgia Environmental Protection Division, Department of Natural Resources, State of Georgia (EPD) has placed this site on the Hazardous Site Inventory pursuant to its authority under the Hazardous Site Response Act and Rules promulgated thereunder. As required by the Rules for Hazardous Site Response, the responsible party for this site was required to investigate the site and submit a compliance status report (CSR) to EPD summarizing the results of that investigation. EPD is currently reviewing the CSR to determine if corrective action is needed for regulated substances that have been released at this site. Before EPD decides whether corrective action is needed, the public has the opportunity to review the compliance status report and provide comments to EPD about the report.

The 30-day public comment period begins September 26, 2005. Oral and written comments can be made to:

Ms. Jacki Scarbary
Georgia Environmental Protection Division
Hazardous Sites Response Program
2 Martin Luther King Drive, Suite 1462
Atlanta, Georgia 30334
(404) 657-8600

The designated contact for the parties who developed the report is:

Thomas Lawrence
Conestoga-Rovers & Associates, Inc.
1351 Oakbrook Drive, Suite 150
Norcross, Georgia 30093

(770) 441-0027

An exact copy of the published notice will be submitted to EPD within 15 days of publication. CRA has also prepared separate letters, conveying the same information as the legal advertisement, to the Chairman of the Miller County Board of Commissioners and the Mayor of Colquitt. A copy of the CSR will be provided to the Miller County Library in Colquitt.

8.0 REFERENCES

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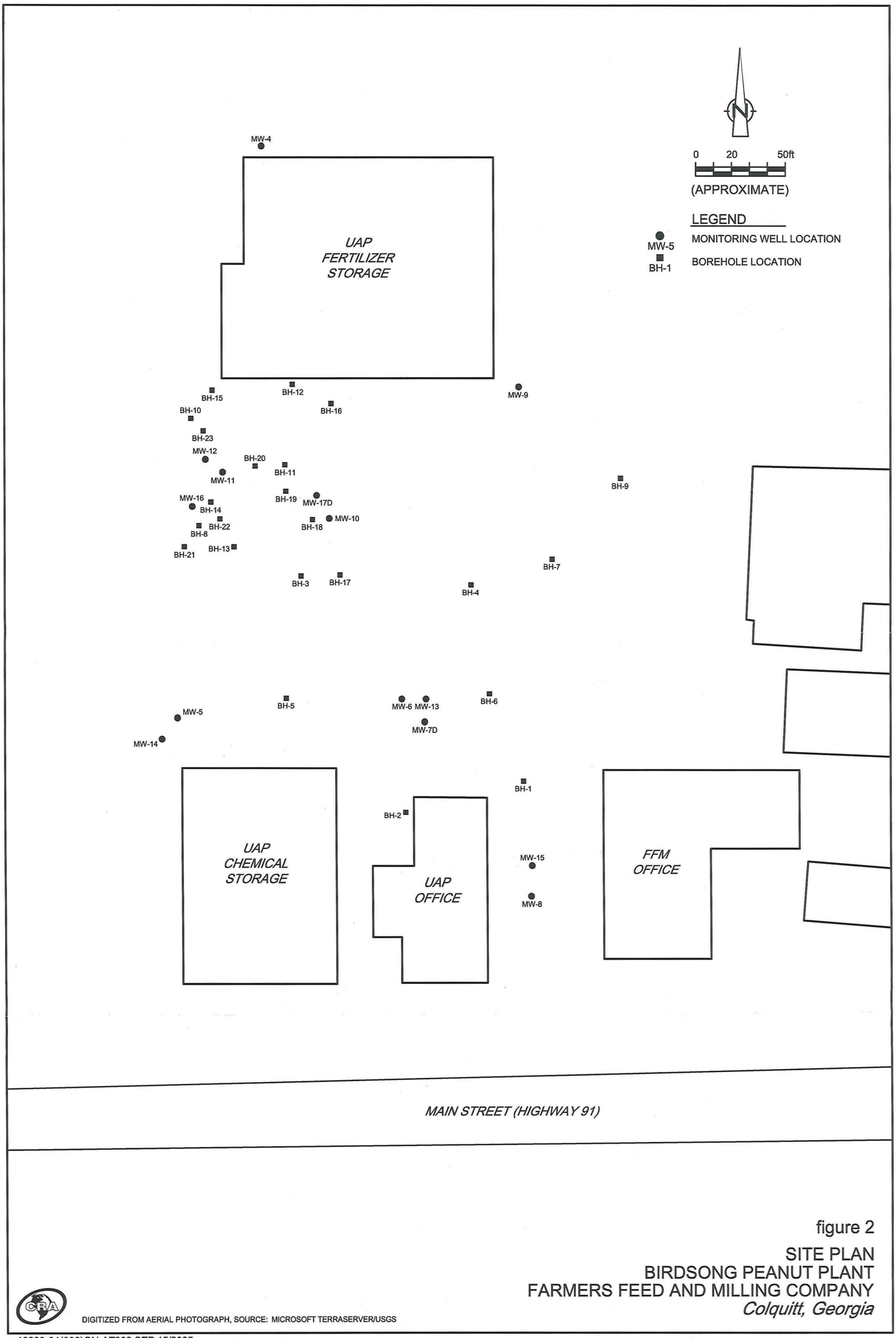
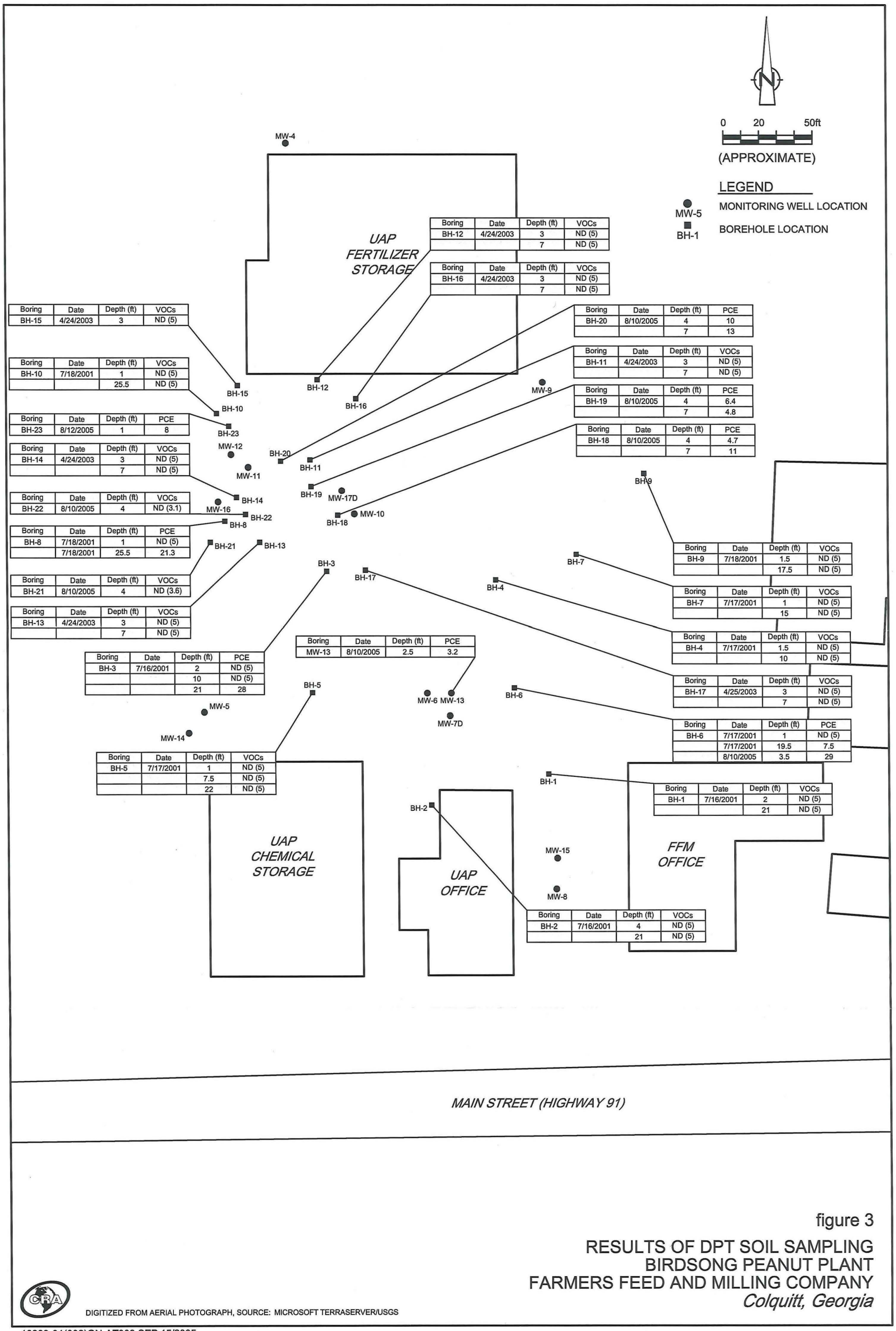


figure 2

SITE PLAN
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

18283-01(002)GN-AT002 SEP 15/2005



Boring	Date	Depth (ft)	VOCs
BH-12	4/24/2003	3	ND (5)
		7	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-16	4/24/2003	3	ND (5)
		7	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-15	4/24/2003	3	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-10	7/18/2001	1	ND (5)
		25.5	ND (5)

Boring	Date	Depth (ft)	PCE
BH-23	8/12/2005	1	8

Boring	Date	Depth (ft)	VOCs
BH-14	4/24/2003	3	ND (5)
		7	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-22	8/10/2005	4	ND (3.1)

Boring	Date	Depth (ft)	PCE
BH-8	7/18/2001	1	ND (5)
	7/18/2001	25.5	21.3

Boring	Date	Depth (ft)	VOCs
BH-21	8/10/2005	4	ND (3.6)

Boring	Date	Depth (ft)	VOCs
BH-13	4/24/2003	3	ND (5)
		7	ND (5)

Boring	Date	Depth (ft)	PCE
BH-20	8/10/2005	4	10
		7	13

Boring	Date	Depth (ft)	VOCs
BH-11	4/24/2003	3	ND (5)
		7	ND (5)

Boring	Date	Depth (ft)	PCE
BH-19	8/10/2005	4	6.4
		7	4.8

Boring	Date	Depth (ft)	PCE
BH-18	8/10/2005	4	4.7
		7	11

Boring	Date	Depth (ft)	VOCs
BH-9	7/18/2001	1.5	ND (5)
		17.5	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-7	7/17/2001	1	ND (5)
		15	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-4	7/17/2001	1.5	ND (5)
		10	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-17	4/25/2003	3	ND (5)
		7	ND (5)

Boring	Date	Depth (ft)	PCE
BH-6	7/17/2001	1	ND (5)
	7/17/2001	19.5	7.5
	8/10/2005	3.5	29

Boring	Date	Depth (ft)	VOCs
BH-1	7/16/2001	2	ND (5)
		21	ND (5)

Boring	Date	Depth (ft)	VOCs
BH-2	7/16/2001	4	ND (5)
		21	ND (5)

Boring	Date	Depth (ft)	PCE
MW-13	8/10/2005	2.5	3.2

Boring	Date	Depth (ft)	PCE
BH-3	7/16/2001	2	ND (5)
		10	ND (5)
		21	28

Boring	Date	Depth (ft)	VOCs
BH-5	7/17/2001	1	ND (5)
		7.5	ND (5)
		22	ND (5)

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

figure 3

RESULTS OF DPT SOIL SAMPLING
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(002)GN-AT003 SEP 15/2005

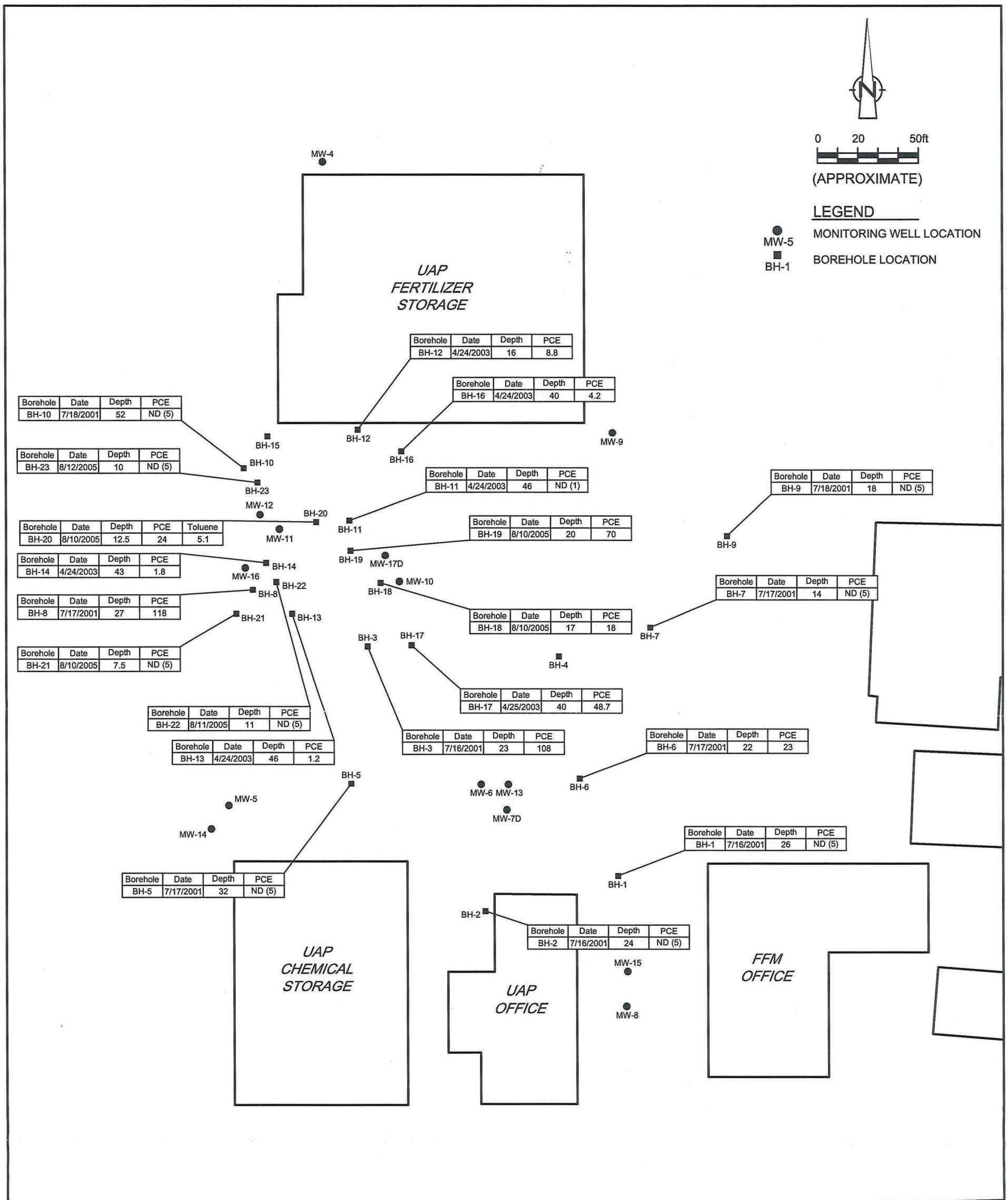


figure 4

RESULTS OF DPT GROUNDWATER SAMPLING
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

18283-01(002)GN-AT004 SEP 15/2005

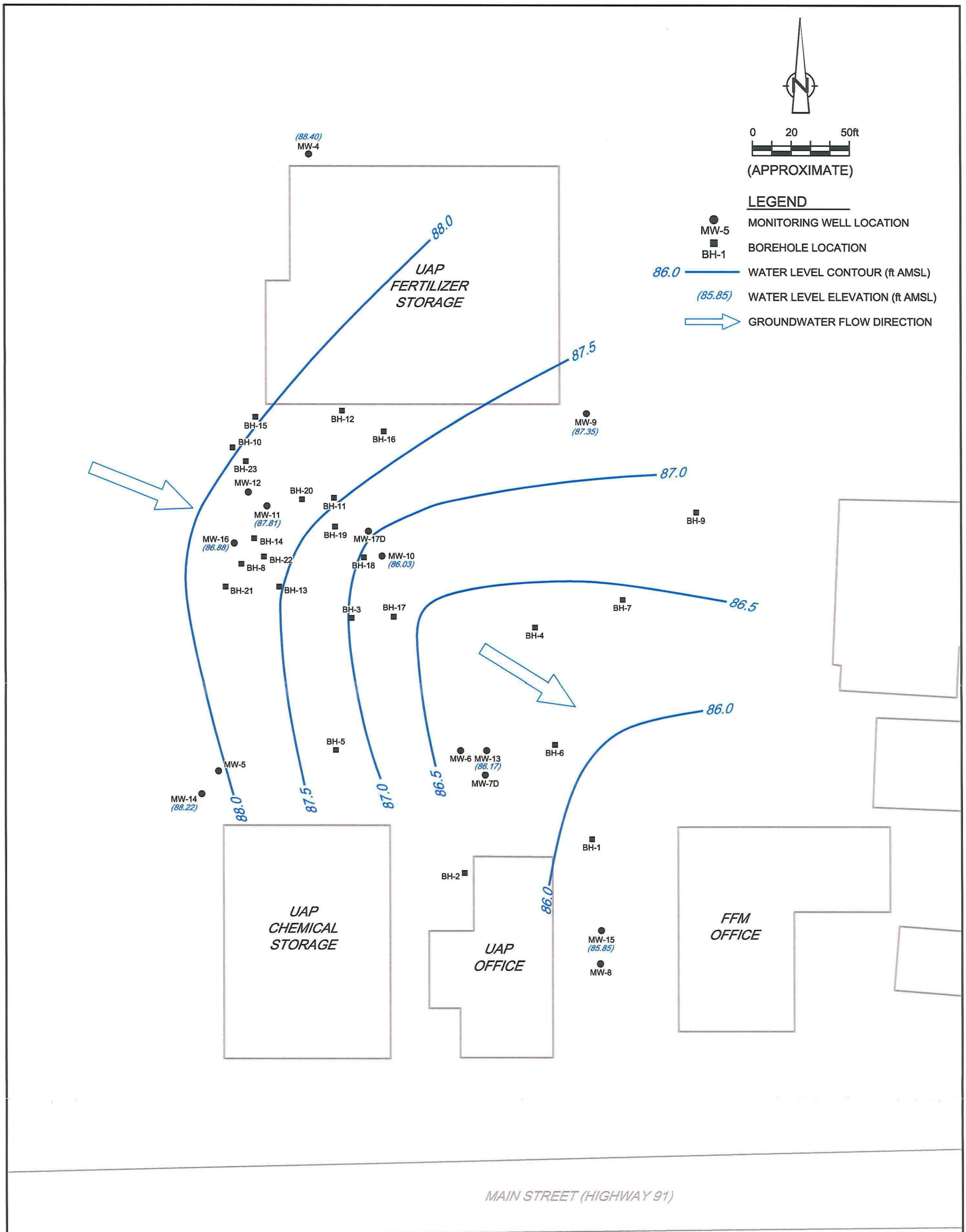


figure 5A

"20 FOOT ZONE" GROUNDWATER ELEVATIONS (SEPTEMBER 9, 2005)
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

18283-01(002)GN-AT005 SEP 15/2005

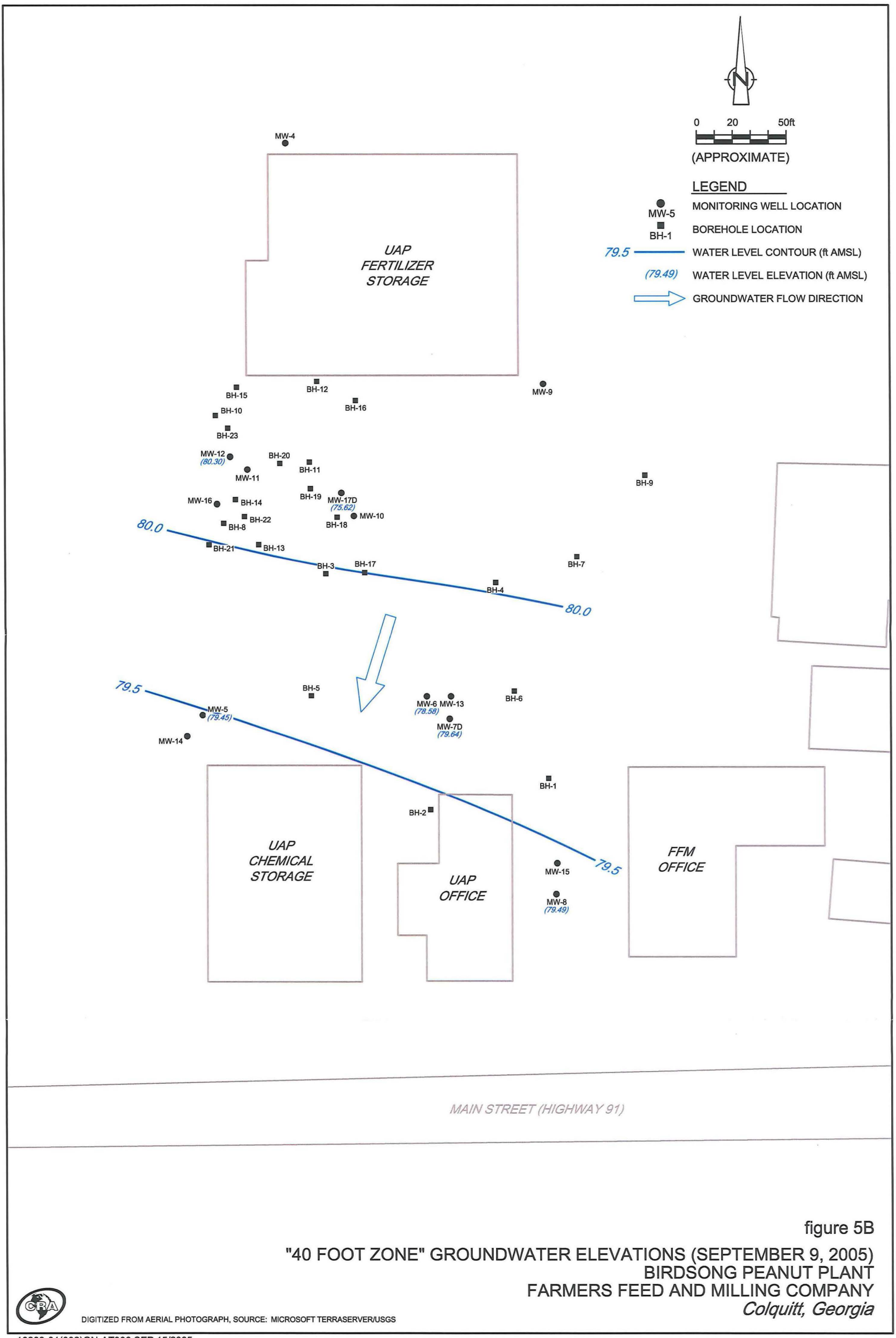


figure 5B

"40 FOOT ZONE" GROUNDWATER ELEVATIONS (SEPTEMBER 9, 2005)
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

18283-01(002)GN-AT006 SEP 15/2005

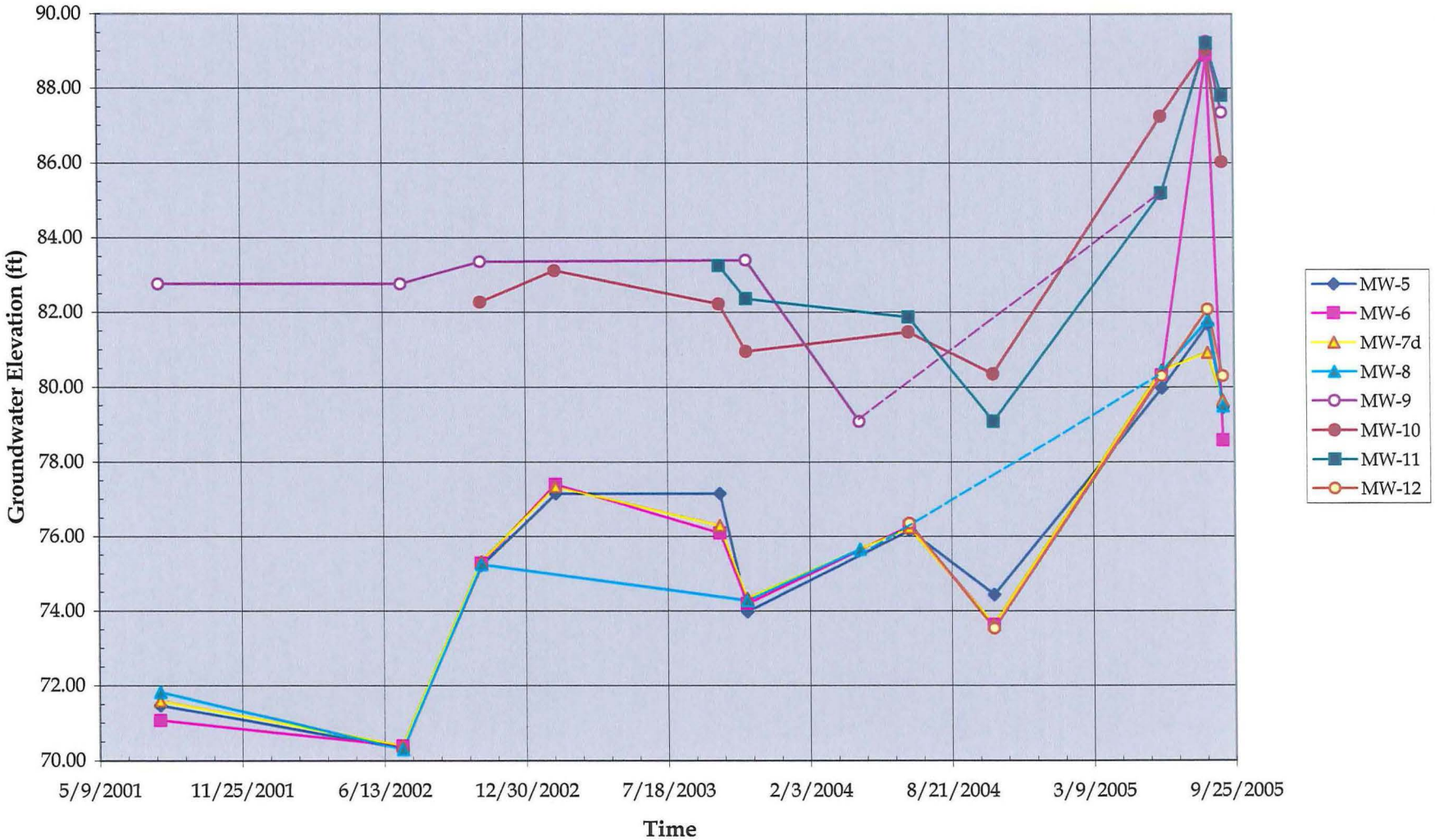


figure 6
WATER LEVELS OVER TIME
FORMER FARMER'S FEED AND MILLING COMPANY
Colquitt, Georgia

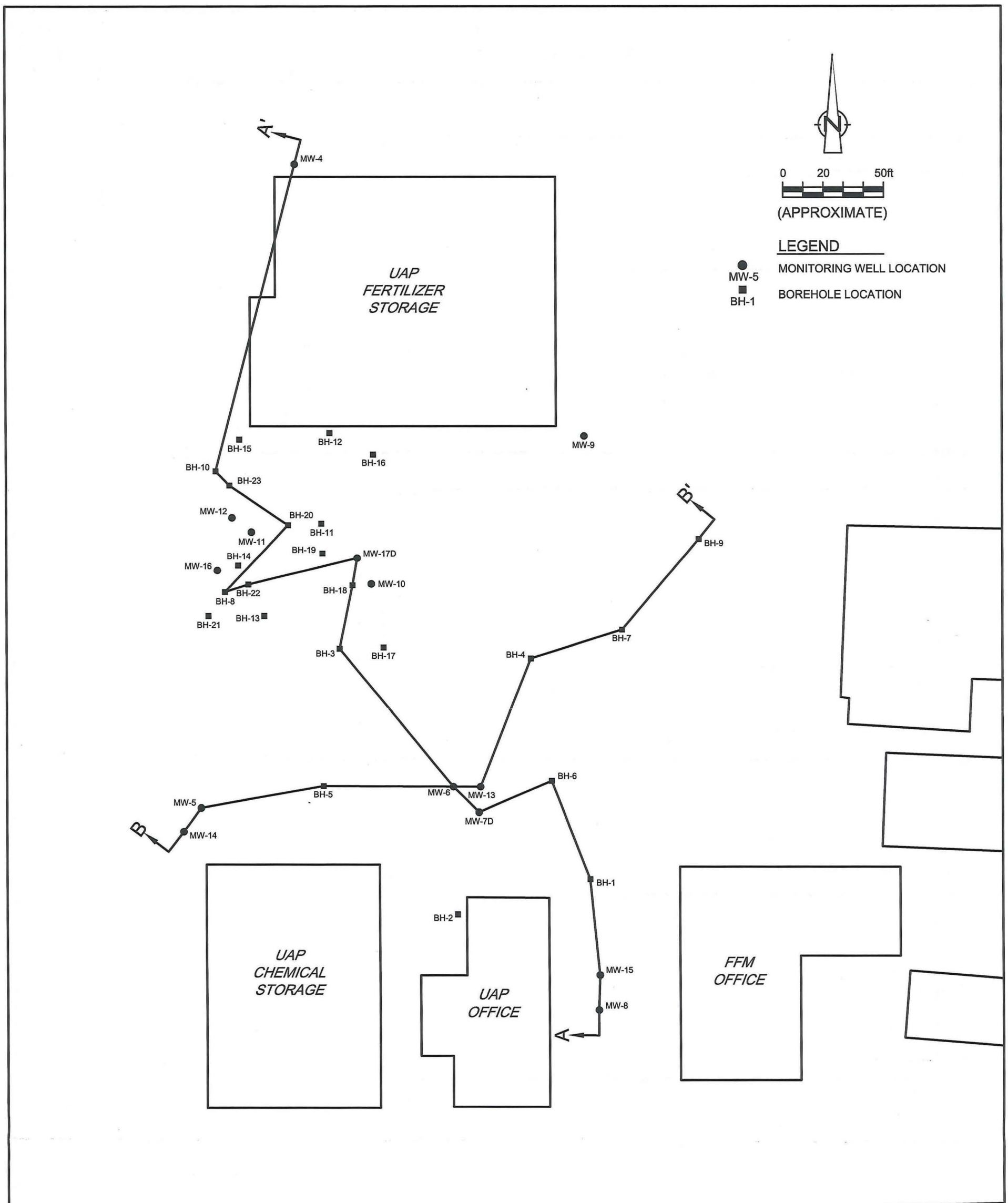
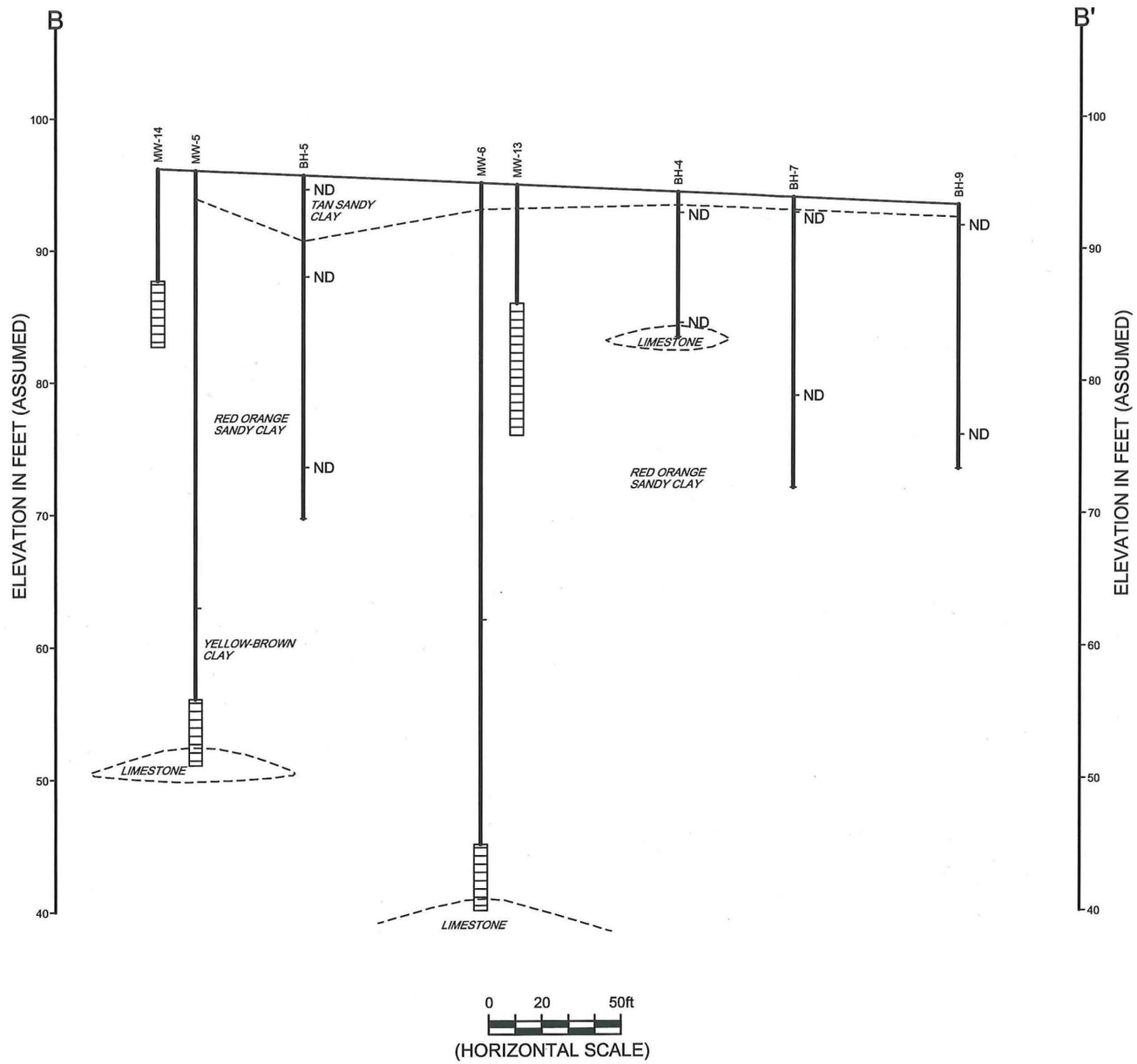


figure 7

GEOLOGIC CROSS SECTION LOCATIONS
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

18283-01(002)GN-AT007 SEP 15/2005



LEGEND

28 ug/Kg = PCE IN SOIL SAMPLE

figure 8B

CROSS SECTION B-B'
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

18283-01(002)GN-AT009 SEP 15/2005

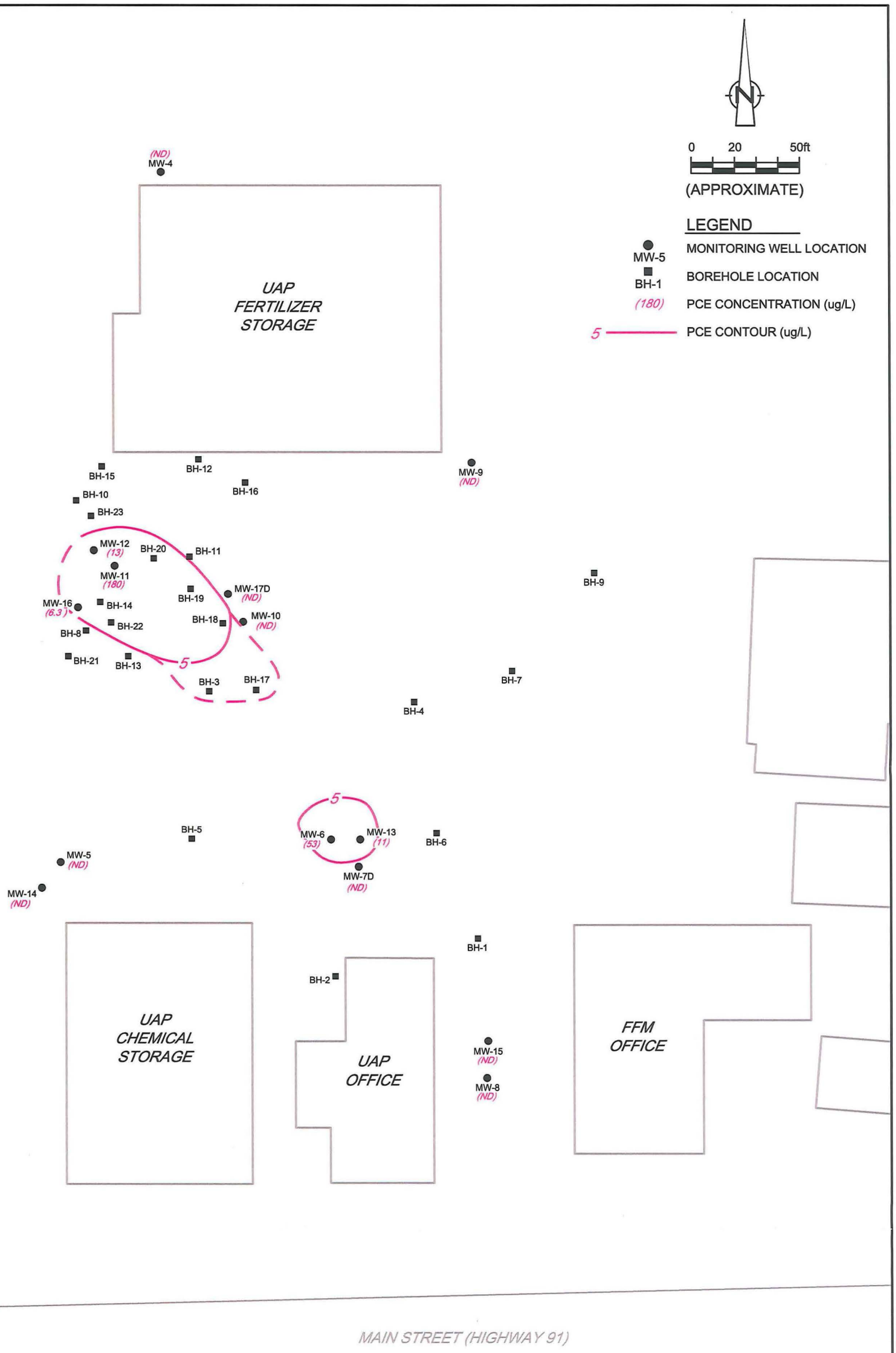


figure 9

EXTENT OF GROUNDWATER IMPACT
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

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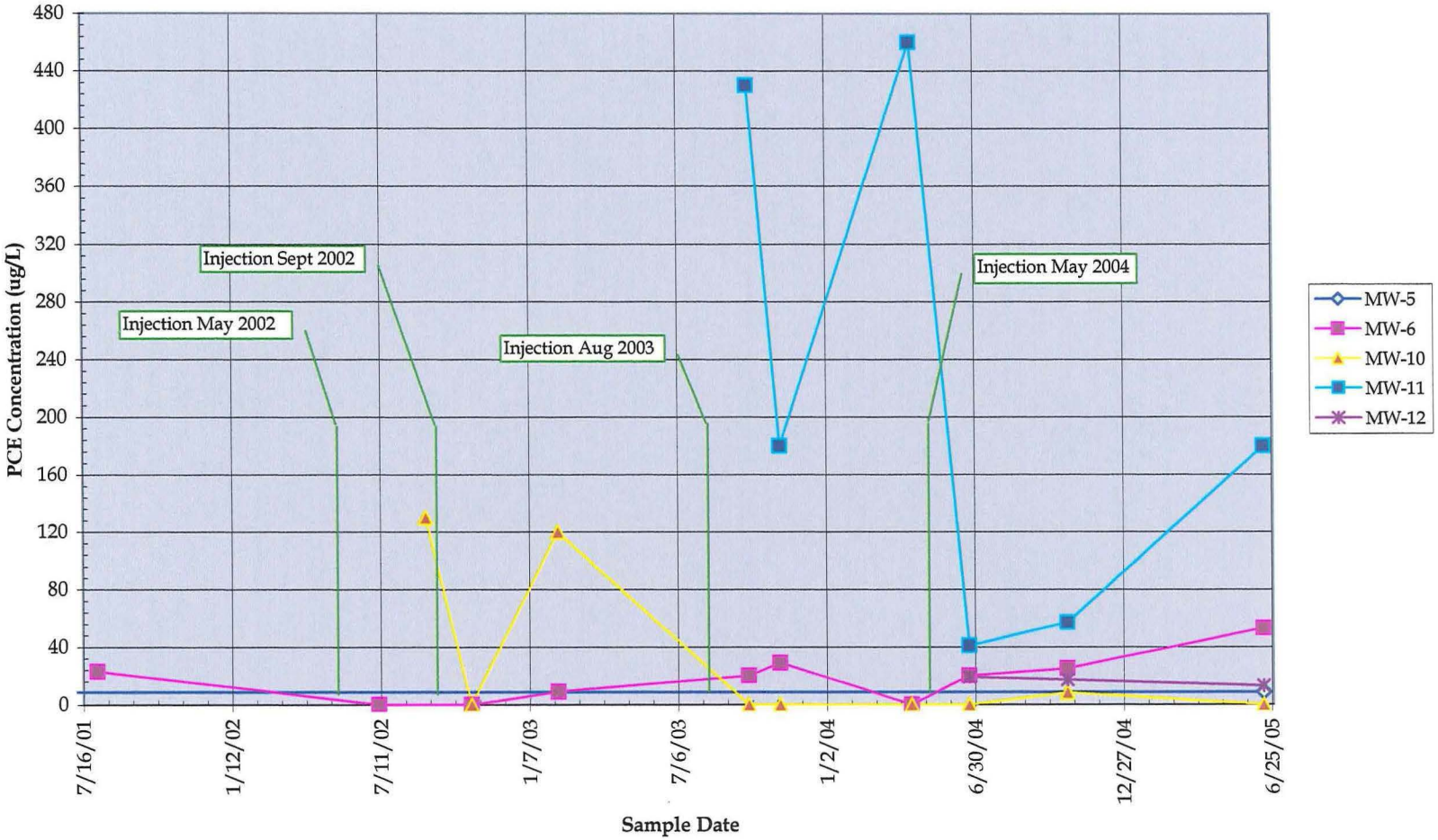


figure 10

TETRACHLOROETHENE CONCENTRATIONS VS TIME

BIRDSONG PEANUT/FFM FACILITY

Colquitt, Georgia

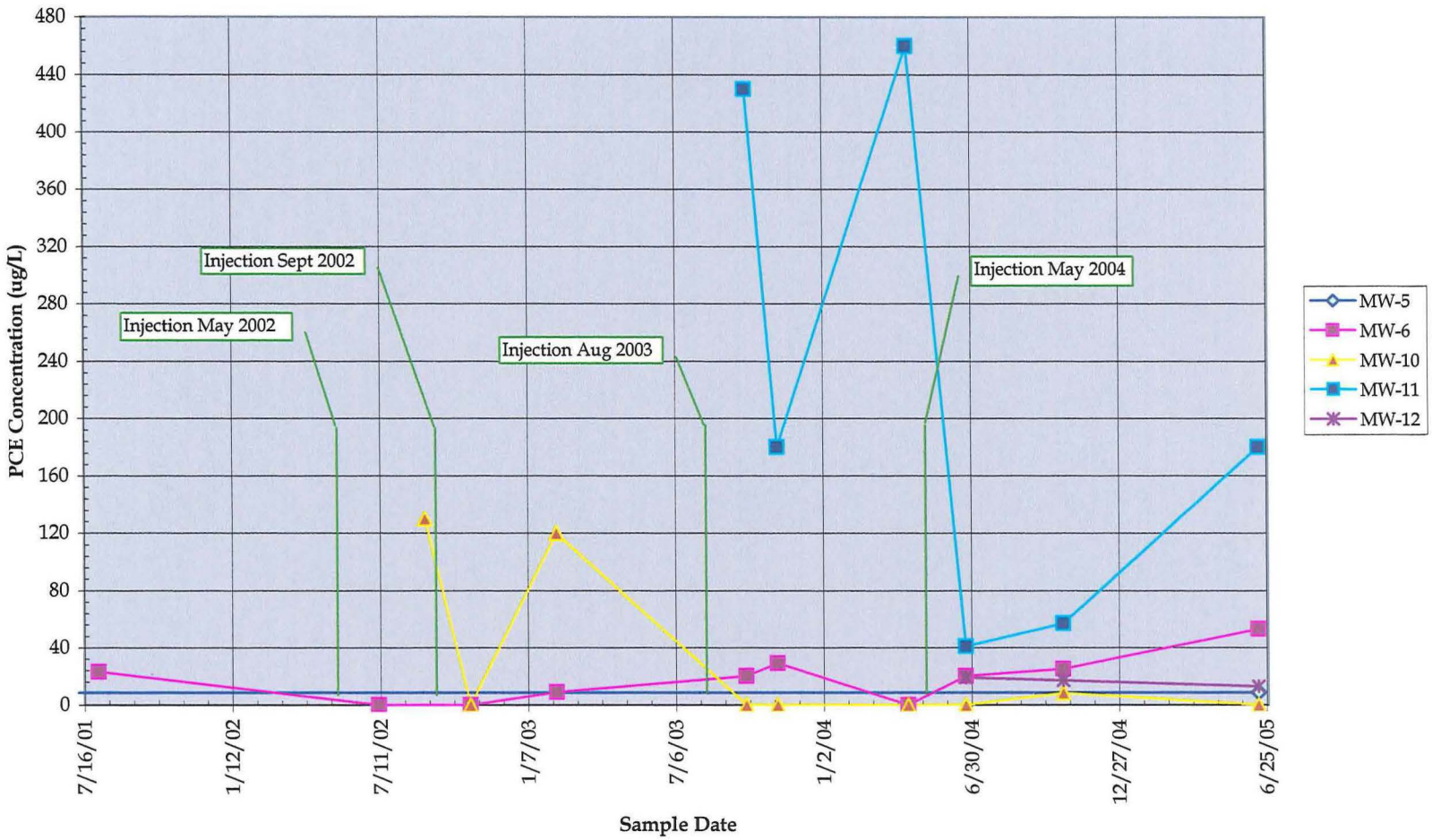


figure 10

TETRACHLOROETHENE CONCENTRATIONS VS TIME

BIRDSONG PEANUT/FFM FACILITY

Colquitt, Georgia

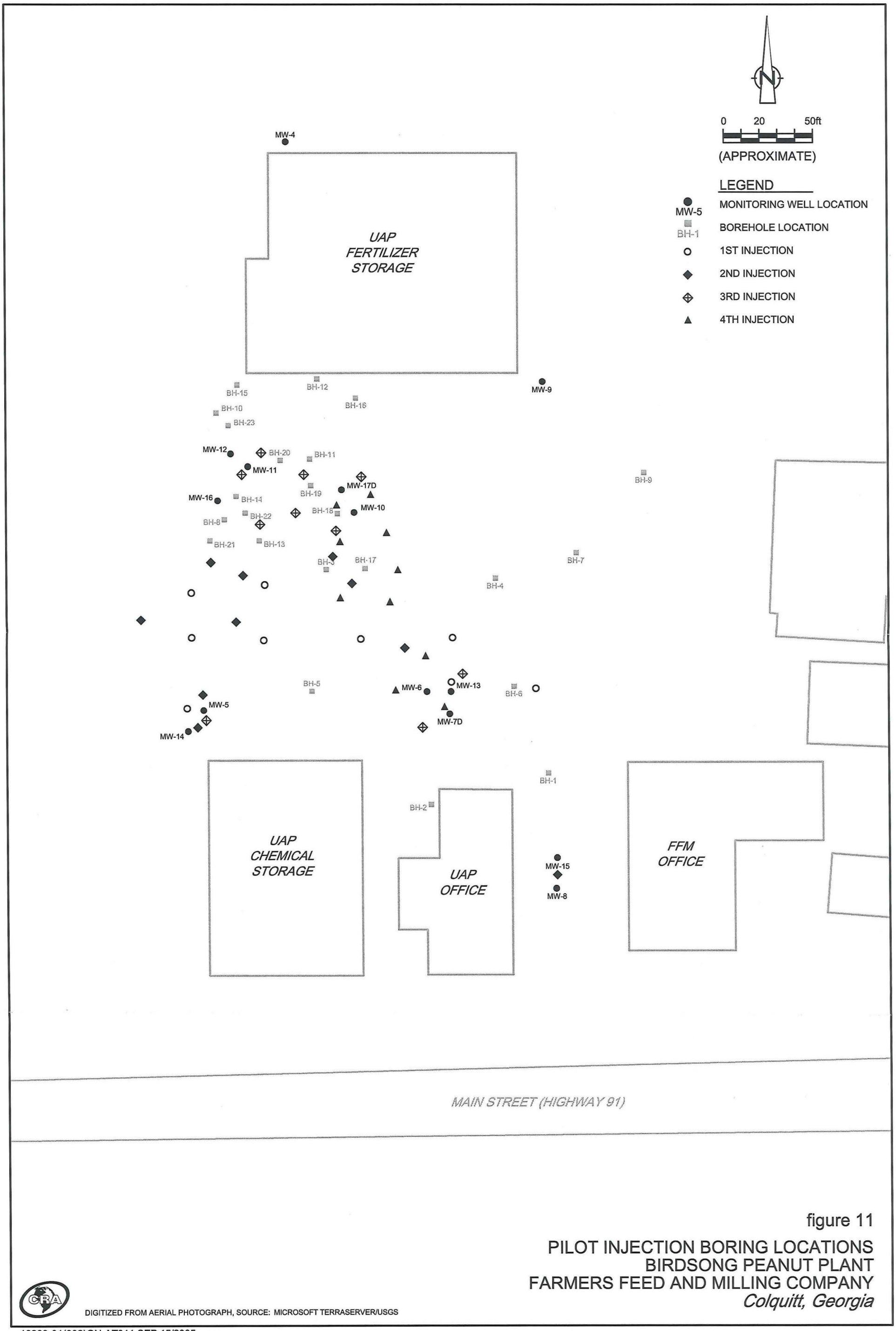


figure 11

PILOT INJECTION BORING LOCATIONS
BIRDSONG PEANUT PLANT
FARMERS FEED AND MILLING COMPANY
Colquitt, Georgia

DIGITIZED FROM AERIAL PHOTOGRAPH, SOURCE: MICROSOFT TERRASERVER/USGS

18283-01(002)GN-AT011 SEP 15/2005

TABLE 1
SUMMARY OF DPT SOIL SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

DPT Boring	Sample Date	Sample Depth (ft)	DCA (ug/kg) *CAS#75343*	DCE (ug/kg) *CAS#75354*	TCE (ug/kg) *CAS#79016*	PCE (ug/kg) *CAS#127184*	VC (ug/kg) *CAS#75014*
BH-1	7/16/2001	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-2	7/16/2001	4	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		21	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-3	7/16/2001	2	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		21	ND (5)	ND (5)	ND (5)	28	ND (5)
BH-4	7/17/2001	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-5	7/17/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		22	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-6	7/17/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		19.5	ND (5)	ND (5)	ND (5)	7.5	ND (5)
BH-6 offset	8/10/2005	3.5	ND (3)	ND (3)	ND (3)	29	ND (6)
BH-7	7/17/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		15	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-8	7/18/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		25.5	ND (5)	ND (5)	ND (5)	21.3	ND (5)
BH-8 offset	8/10/2005	2.5	ND (2.9)	ND (2.9)	ND (2.9)	3.2	ND (5.9)
BH-9	7/18/2001	1.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		17.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-10	7/18/2001	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		25.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-11	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-12	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-13	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-14	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-15	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-16	4/24/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-17	4/25/2003	3	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
		7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-18	8/10/2005	4	ND (3.6)	ND (3.6)	ND (3.6)	4.7	ND (7.2)
		7	ND (3.6)	ND (3.6)	ND (3.6)	11	ND (7.2)
BH-19	8/10/2005	4	ND (3.4)	ND (3.4)	ND (3.4)	6.4	ND (6.7)
		7	ND (3.2)	ND (3.2)	ND (3.2)	4.8	ND (6.3)
BH-20	8/10/2005	4	ND (3.3)	ND (3.3)	ND (3.3)	10	ND (6.6)
		7	ND (2.9)	ND (2.9)	ND (2.9)	13	ND (5.9)
BH-21	8/10/2005	4	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)	ND (7.2)
BH-22	8/10/2005	4	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (6.3)
BH-23	8/12/2005	1	ND (2.5)	ND (2.5)	ND (2.5)	8	ND (5.1)
Type 1 RRS			500	700	500	500	200

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1 RRS (Rule 391-3-19) = 100 x Appendix III Table 1 Groundwater Criteria

TABLE 2
SUMMARY OF DPT GROUNDWATER SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	Sample Depth (ft)	DCA (ug/L) *CAS#75343*	DCE (ug/L) *CAS#75354*	TCE (ug/L) *CAS#79016*	PCE (ug/L) *CAS#127184*	VC (ug/L) *CAS#75014*	Toluene (ug/L)
BH-1	7/16/2001	26	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-2	7/16/2001	24	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-3	7/16/2001	23	ND (5)	ND (5)	ND (5)	108	ND (5)	NA
BH-5	7/17/2001	32	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-6	7/17/2001	22	ND (5)	ND (5)	ND (5)	23	ND (5)	NA
BH-7	7/17/2001	14	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-8	7/17/2001	27	ND (5)	ND (5)	ND (5)	118	ND (5)	NA
BH-9	7/18/2001	18	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-10	7/18/2001	52	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
BH-11	4/24/2003	46	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BH-12	4/24/2003	16	ND (1)	ND (1)	ND (1)	8.8	ND (1)	ND (1)
BH-13	4/24/2003	46	ND (1)	ND (1)	ND (1)	1.2	ND (1)	ND (1)
BH-14	4/24/2003	43	ND (1)	ND (1)	ND (1)	1.8	ND (1)	ND (1)
BH-16	4/24/2003	40	ND (1)	ND (1)	ND (1)	4.2	ND (1)	ND (1)
BH-17	4/25/2003	40	ND (1)	ND (1)	ND (1)	48.7	ND (1)	ND (1)
BH-18	8/10/2005	17	ND (5)	ND (5)	ND (5)	18	ND (5)	ND (5)
BH-19	8/10/2005	20	ND (5)	ND (5)	ND (5)	70	ND (5)	ND (5)
BH-20	8/10/2005	12.5	ND (5)	ND (5)	ND (5)	24	ND (5)	5.1
BH-21	8/10/2005	7.5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-22	8/11/2005	11	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
BH-23	8/12/2005	10	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Type 1/3 RRS			4,000	7	5	5	2	1,000

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)

TABLE 3
MONITORING WELL WATER LEVEL DATA
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well No.	Depth to Screen (ft bgs)	Screened Interval (elev in ft)	TOC Elevation (ft)	Date Measured	Depth to Water (ft bTOC)	Water Elevation (ft)
MW-4	7 - 17	86 - 76	92.70	8/2/2001	8.28	84.42
				8/19/2005	1.60	91.10
				9/9/2005	4.30	88.40
MW-5	40 - 45	56 - 51	95.57	8/2/2001	24.10	71.47
				7/9/2002	25.25	70.32
				10/29/2002	20.35	75.22
				2/11/2003	18.43	77.14
				9/30/2003	18.42	77.15
				11/7/2003	21.59	73.98
				6/23/2004	19.41	76.16
				10/20/2004	21.14	74.43
				6/15/2005	15.60	79.97
				8/19/2005	13.89	81.68
				9/9/2005	16.12	79.45
MW-6	50 - 55	45 - 40	94.26	8/2/2001	23.19	71.07
				7/9/2002	23.87	70.39
				10/29/2002	18.98	75.28
				2/11/2003	16.87	77.39
				9/30/2003	18.17	76.09
				11/7/2003	20.07	74.19
				6/23/2004	17.99	76.27
				10/20/2004	20.63	73.63
				6/15/2005	13.94	80.32
				8/19/2005	5.38	88.88
				9/9/2005	15.68	78.58
MW-7d	73 - 78	21 - 16	93.75	8/2/2001	22.16	71.59
				7/9/2002	23.36	70.39
				10/29/2002	18.43	75.32
				2/11/2003	16.42	77.33
				9/30/2003	17.46	76.29
				11/7/2003	19.42	74.33
				6/23/2004	17.52	76.23
				10/20/2004	20.11	73.64
				6/15/2005	13.31	80.44
				8/19/2005	12.83	80.92
				9/9/2005	14.11	79.64
MW-8	43 - 48	51 - 46	93.57	8/2/2001	21.75	71.82
				7/9/2002	23.27	70.30
				10/29/2002	18.33	75.24
				11/7/2003	19.30	74.27
				4/14/2004	17.92	75.65
				10/20/2004	-	NM
				6/15/2005	13.15	80.42
				8/19/2005	11.79	81.78
				9/9/2005	14.08	79.49
MW-9	17 - 27	76 - 66	92.85	8/2/2001	9.33	82.76
				7/9/2002	10.09	82.76
				10/29/2002	9.49	83.36
				11/7/2003	9.45	83.40
				4/14/2004	13.77	79.08
				10/20/2004	-	NM
				6/15/2005	7.68	85.17
				8/19/2005	3.59	89.26
				9/9/2005	5.50	87.35
MW-10	19 - 29	74 - 64	93.41	10/29/2002	11.14	82.27
				2/11/2003	10.29	83.12
				9/30/2003	11.19	82.22
				11/7/2003	12.46	80.95
				6/23/2004	11.94	81.47
				10/20/2004	13.06	80.35
				6/15/2005	6.17	87.24
				8/19/2005	4.37	89.04
				9/9/2005	7.38	86.03
MW-11	20 - 30	74 - 64	94.44	9/30/2003	11.19	83.25
				11/7/2003	12.08	82.36
				6/23/2004	12.57	81.87
				10/20/2004	15.36	79.08
				6/15/2005	9.24	85.20
				8/19/2005	5.22	89.22
				9/9/2005	6.63	87.81
MW-12	20 - 30	75 - 65	95.46	6/23/2004	19.11	76.35
				10/20/2004	21.93	73.53
				6/15/2005	15.16	80.30
				8/19/2005	13.38	82.08
				9/9/2005	15.16	80.30
MW-13	8 - 18	86 - 76	93.76	8/19/2005	5.70	88.06
				9/9/2005	7.59	86.17
MW-14	8 - 13	86 - 81	96.72	8/19/2005	6.40	90.32
				9/9/2005	8.50	88.22
MW-15	10 - 20	83 - 73	93.30	8/19/2005	5.68	87.62
				9/9/2005	7.45	85.85
MW-16	10 - 20	86 - 76	96.34	8/19/2005	6.32	90.02
				9/9/2005	9.46	86.88
MW-17I	65 - 75	28 - 18	93.40	8/19/2005	13.01	80.39
				9/9/2005	17.78	75.62

TOC (Top of Casing) elevations referenced to arbitrary project benchmark of 100.00 ft
bgs = below ground surface
bTOC = below TOC
NM = not measured

TABLE 4
WELL PURGING DATA SUMMARY
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Well Number	*Total Depth (ft.)*	*Purge Date*	*Total Gallons Purged* [1]	*pH*	*Turbidity (ntu)* [2]	*Conductivity (µS)* [3]	*Temperature (°C)* [4]	*Dissolved Oxygen (mg/L)*	*ORP (mV)*
MW-4	17	8/19/2005	1.4	-	3	491	29.4	4.0	469
MW-5	45	6/15/2005	2.1	5.08	2	521	23.3	2.8	561
MW-6	55	6/15/2005	2.6	6.56	79	1,710	26.7	2.4	268
MW-7D	78	6/15/2005	2.1	7.34	39	323	25.3	1.2	554
MW-10*	29	6/15/2005	1.0	-	-	-	-	-	-
MW-11	30	6/15/2005	1.0	6.15	208	2,200	27.6	-	-
MW-12	30	6/15/2005	1.0	6.77	999	2,490	30.6	-	-
MW-13	18	8/19/2005	2.1	5.72	22	7,830	28.9	0.8	121
MW-14	13	8/19/2005	1.4	-	17	842	26.1	5.0	371
MW-15	20	8/19/2005	1.2	5.33	35	657	29.1	0.6	204
MW-16	20	8/19/2005	2.6	4.83	1	261	24.7	3.7	268
MW-17D	75	8/19/2005	2.0	7.46	6	350	26.9	3.1	131

Notes:

[1] Purged using low-flow method @ 150 - 300 mL/min

[2] Nephelometric Turbidity Units

[3] microSeimens

[4] Degrees Celsius

MW-10* - parameters not measured at time of sampling due to presence of permanganate

TABLE 5
SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS
FARMER'S FEED AND MILLING, COLQUIT, GEORGIA

Sample Location	Sample Date	DCA (ug/L) CAS#75343	DCE (ug/L) CAS#75354	TCE (ug/L) CAS#79016	PCE (ug/L) CAS#127184	VC (ug/L) CAS#75014	Toluene (ug/L)
MW-4	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	14
MW-5	8/2/2001	ND (5)	ND (5)	ND (5)	8.8	ND (5)	NA
	7/9/2002	ND (5)	ND (5)	ND (5)	8	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	9.1	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	8	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	5.5	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-6	8/2/2001	ND (5)	ND (5)	ND (5)	23	ND (5)	NA
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	8.9	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	20	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	29	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	20	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	25	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	53	ND (5)	NA
MW-7D	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	7/9/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	6.1	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-8	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-9	8/2/2001	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-10	9/4/2002	ND (5)	ND (5)	ND (5)	130	ND (5)	NA
	10/29/2002	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	2/11/2003	ND (5)	ND (5)	ND (5)	120	ND (5)	NA
	9/30/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	8.6	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	NA
MW-11	9/30/2003	ND (5)	ND (5)	ND (5)	430	ND (5)	NA
	11/7/2003	ND (5)	ND (5)	ND (5)	180	ND (5)	NA
	4/14/2004	ND (5)	ND (5)	ND (5)	460	ND (5)	NA
	6/23/2004	ND (5)	ND (5)	ND (5)	41	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	57	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	180	ND (5)	NA
MW-12	6/23/2004	ND (5)	ND (5)	ND (5)	19	ND (5)	NA
	10/20/2004	ND (5)	ND (5)	ND (5)	17	ND (5)	NA
	6/15/2005	ND (5)	ND (5)	ND (5)	13	ND (5)	NA
MW-13	8/19/2005	ND (5)	ND (5)	ND (5)	11	ND (5)	ND (5)
MW-14	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-15	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
MW-16	8/19/2005	ND (5)	ND (5)	ND (5)	6.3	ND (5)	6.3
MW-17D	8/19/2005	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	5.2
Type 1/3 RRS		4,000	7	5	5	2	1,000

Note:

DCA = 1,1-dichloroethane
DCE = 1,1-dichloroethene (total)
TCE = trichloroethene
PCE = tetrachloroethene
VC = vinyl chloride
ND = Not Detected @ (Reported Detection Limit)
Type 1/3 RRS = Groundwater Criteria (Appendix III Table 1)

APPENDIX A

BORING LOGS AND WELL COMPLETION DETAILS

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

BORING NO: MW-4
DATE: 8/28/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Topsoil and grass						Flush mount 8" diameter manhole cover and vault. 8.5 feet of 2" diameter PVC riser Borehole annular space grouted with portland cement/3-5% bentonite powder slurry 3/8" bentonite pellets at 4.1' bls 10/30 sand at 5.9' bls 10 feet of 2" diameter 0.01"machine-slotted PVC screen (at 7.5' bls) Well set at 17.5' bls
	White to 10YR 6/8 brownish-yellow, fine-grained sand and silt			27			
8	5Y 7/1 light gray, dry, fine-grained, consolidated sand and silt			67			
	2.5Y 4/1 dark gray sand and silt in top 5"			50/4			
16	White, weathered limestone in bottom 3"						
	Same strata as above			15			
24	Same as above strata in top 4"			17			
	10YR 5/8 yellowish-brown and light gray mottled clay						
	Boring Terminated at 25 feet.						
	GW Enc. at 9.58 feet 24 hours after drilling						
32							
40							
48							
56							

Geosciences Inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

BORING NO: MW-5
DATE: 8/29/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Topsoil and grass						Flush mount 8" diameter manhole cover and vault
	10R 6/8 brownish-yellow, light gray, and 2.5YR 4/4 reddish-brown, mottled, very stiff, sandy clay			23			Borehole annular space grouted with portland cement/3-5% bentonite powder slurry
8	Same strata as above except contains more light gray, very stiff			30			
16	Dry, same strata as above; 5Y 8/1 white mottles dominant			29			40' of 2" diameter PVC riser
	Same as above mottled, tricolor clay			27			
24	Same as above strata, moist			27			
32	Same strata as above, predominantly reddish-brown and brownish-yellow mottles with little white			21			
	10YR 5/8 yellowish-brown clay; bottom 2" contains dark yellowish-brown 10YR 4/4 clasts			29			3/8" bentonite pellets at 34.7' bls 10/30 sand at 37.5' bls
40	Same clast-containing clay as above; moist			15			
	Same strata as above in top 4"; saturated			40			5' of 2" diameter 0.01" machine-slotted PVC screen (to 40' bls) Well set at 45' bls
	Friable, white limestone and clay in bottom 14"						
48	Boring Terminated at 45 feet.						
	GW Enc. at 29.80 feet 24 hours after drilling						
56							

Geosciences inc.

SUBSURFACE DRILL LOG

PROJECT NAME: FFM Main Facility
FIELD ENG/GEO: Alison Long
RIG TYPE: CME-55
PROJECT NUMBER: ALE-00-335A
GROUND ELEVATION (ft): _____
DRILLING METHOD: HSA

PAGE 1 OF 1
BORING NO: MW-6
DATE: 8/29/00

DEPTH	SOIL/MATERIAL DESCRIPTION	ELEVATION (feet)	LITHOLOGY	SPT BLOWS	SAMPLES	WATER LEVEL	COMMENTS
0	Asphalt						Flush mount 8" diameter manhole cover and vault Borehole annular space grouted with portland cement/3-5% bentonite powder slurry
	Very stiff, 7.5YR 5/8 strong brown sandy clay			9			
	Same as above clay except lighter in color 10YR 7/4 very pale brown			14			
8	Dry, light gray and 10YR 6/8 brownish-yellow mottled, sandy clay			14			
	Very stiff, same as above sandy clay, prdominantly light gray			18			50' of 2" diameter PVC riser
16	Moist, same strata as above			15			
24	Top same as above strata; bottom 7" has more sand and water content and is 7.5YR 7/8 reddish-yellow in color			15			
	Moist, 10YR 5/6 to 5/8 yellowish-brown sandy clay			13			
32	Moist, same as above in top 6"			9			
	Bottom 12" Very Stiff, 10YR 8/6 yellow, light gray, and 10R 6/3 pale red, mottled, fine-grained clay						
40	Same strata as above			10			
	Same strata as above becoming darker and more uniform in color. 10YR 5/6 yellowish-brown in bottom 7" of spoon.			4			3/8" bentonite pellets at 45.1' bls
48	Same strata as above in top 10"; sandy clay containing clasts in bottom 3"			WOR			10/30 sand at 47.3' bls 5' of 2" diameter 0.01" machine-slotted PVC screen (at 50' bls)
	Same clay containing clasts n top 4" of sample			19			
56	Friable, white limestone in bottom 5" of sample						Well set at 55' bls
	Boring Terminated at 55 feet.						
	GW Enc. at 28.46 feet 24 hours after drilling						

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-1
DATE COMPLETED: JULY 16, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	SM-SAND and SILT (NATIVE), black, moist, organic		2"Ø BOREHOLE BENTONITE CHIPS	1DP		--	5.0
2.5							
5.0		*-5.5*					
	SM-SILT and SAND, tan, moist			2DP		--	3.8
7.5	- sand grades into clay						
10.0		*-10.0*		3DP		--	2.0
	CL-CLAY, stiff, tan, moist						
	- orange brown clay						
12.5							
				4DP		--	2.4
15.0							
17.5				5DP		--	2.6
20.0							
22.5				6DP		--	2.5
	- saturated seam						
25.0							
27.5				7DP		--	--
30.0		*-30.0*					
	END OF HOLE @ 30.0ft BGS						
32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-2
DATE COMPLETED: JULY 16, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY and SAND (NATIVE), moist		2"Ø BOREHOLE	1DP		--	1.3
-2.5		*-3.0*	BENTONITE CHIPS				
	CL-CLAY, very stiff, red/white/brown, moist						
-5.0				2DP		--	1.2
-7.5							
-10.0				3DP		--	--
		-12.0					
-12.5	CL-CLAY, some sand, very stiff, white/red, moist			4DP		--	1.8
-15.0	- moisture increasing						
				5DP		--	1.8
-17.5	- some loose sand lenses						
-20.0				6DP		--	2.0
		-21.0					
	SM/CL-SAND and CLAY, saturated, alternated layering						
-22.5	- saturated zone of (SM)			7DP		--	--
-25.0				8DP		--	--
		-26.0					
	END OF HOLE @ 26.0ft BGS						
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-3
DATE COMPLETED: JULY 16, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY (ALLUVIUM)	*-1.0*	2"Ø BOREHOLE				
	CL-CLAY (NATIVE), silt and sand, medium soft, moist			1DP		--	2.1
-2.5		*-3.0*	BENTONITE CHIPS				
	CL-CLAY and SAND, stiff, brown and red mottled, moist	*-4.0*					
-5.0	CL-CLAY and SAND, very stiff, gray and red mottled, moist			2DP		--	2.5
-7.5							
-10.0				3DP		--	1.6
-12.5				4DP		--	2.2
-15.0	- 1" lense of loose sand			5DP		--	2.7
-17.5				6DP		--	2.7
-20.0	- saturated						
-22.5				7DP		--	--
-25.0				8DP		--	--
		-25.5					
	WEATHERED ROCK	*-26.0*					
	END OF HOLE @ 26.0ft BGS						
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-4
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY/SAND/SILT (FILL)	*-1.2*	2"Ø BOREHOLE BENTONITE CHIPS				
-2.5	CL-CLAY and SAND (NATIVE), very stiff, gray and red, moist			1DP		--	1.2
-5.0				2DP		--	1.4
-7.5	CL-CLAY and SAND, soft, tan, moist	*-6.7*					
-10.0	CL-CLAY, soft, saturated	*-9.2*		3DP		--	5.2
	WEATHERED ROCK	*-10.0*					
	END OF HOLE @ 11.0ft BGS	*-11.0*					
-12.5							
-15.0							
-17.5							
-20.0							
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-5
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
-2.5	CL-CLAY and SAND (FILL), soft, tan, mosit, strong ammonia odor		2"Ø BOREHOLE BENTONITE CHIPS	1DP		--	71.2
-5.0	CL-CLAY and SAND (NATIVE), very stiff, gray brown mottled, low to moderate moisture	*-5.0*		2DP		--	17.1
-7.5							
-10.0				3DP		--	11.9
-12.5	- moisture increasing			4DP		--	8.6
-15.0	- very moist to saturated			5DP		--	4.9
-17.5				6DP		--	3.1
-20.0							
-22.5				7DP		--	1.8
-25.0				8DP		--	1.1
	END OF HOLE @ 26.0ft BGS	*-26.0*					
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-6
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	SM-SAND and SILT (FILL), loose, dark gray, moist		2"Ø BOREHOLE				
		-1.8	BENTONITE CHIPS				
-2.5	CL-CLAY and SAND (NATIVE), stiff, gray and brown, moist			1DP		--	1.2
-5.0				2DP		--	0.3
-7.5	- sand decreasing						
				3DP		--	--
-10.0	CL-CLAY, very stiff, little to no sand, red brown gray mottled, moist						
				4DP		--	0.0
-12.5							
				5DP		--	0.0
-15.0	- very moist						
-17.5				6DP		--	0.0
	CL-CLAY, with saturated sand zones throughout	*-18.0*					
-20.0				7DP		--	--
-22.5				8DP		--	--
	AUGER REFUSAL, END OF HOLE @ 24.0ft BGS	*-24.0*					
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-7
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY/SILT/SAND (FILL)	*-1.0*	2"Ø BOREHOLE BENTONITE CHIPS				
-2.5	CL-CLAY and SAND (NATIVE), stiff, gray and brown, moist			1DP		--	0.0
-5.0				2DP		--	0.0
-7.5							
-10.0				3DP		--	0.0
-12.5	- 4" zone loose sand and clay, very moist .L-16 CL-CLAY and SAND, soft, saturated, alternating layers			4DP		--	0.0
-15.0		*-16.0*		5DP		--	--
-17.5							
-20.0				6DP		--	--
-22.5	END OF HOLE @ 22.0ft BGS	*-22.0*					
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-8
DATE COMPLETED: JULY 17, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
-2.5 -5.0	CL-CLAY and SAND (FILL), moderately stiff, brown, moist		2"Ø BOREHOLE BENTONITE CHIPS	1DP 2DP		-- --	-- --
-7.5	CL-CLAY/SAND/SILT (NATIVE), brown, low moisture	*-7.0*		3DP		--	0.0
-10.0 -12.5 -15.0 -17.5 -20.0 -22.5 -25.0 -27.5	CL-CLAY, trace sand, stiff, gray brown mottled, moist - trace gravel - saturated	*-10.0*		4DP 5DP 6DP 7DP 8DP 9DP 10DP		-- -- -- -- -- -- --	0.0 0.0 -- 0.0 0.0 0.0 --
-30.0	END OF HOLE @ 30.0ft BGS	*-30.0*					
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-9
DATE COMPLETED: JULY 18, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	SM-SAND and SILT (FILL), trace clay, tan, moist	*-1.5*	2"Ø BOREHOLE				
-2.5	CL-CLAY (NATIVE), some sand and silt, stiff, tan, moist		BENTONITE CHIPS	1DP		--	0.0
	- gray and red mottled						
-5.0				2DP		--	0.0
-7.5				3DP		--	0.0
-10.0	- moisture increasing						
				4DP		--	--
-12.5							
-15.0				5DP		--	--
-17.5				6DP		--	--
-20.0	END OF HOLE @ 19.5ft BGS	*-19.5*		7DP		--	--
-22.5							
-25.0							
-27.5							
-30.0							
-32.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-10
DATE COMPLETED: JULY 18, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	REFERENCE POINT (Top of Riser) GROUND SURFACE	*0.00* *0.00*					
	CL-CLAY and SAND (ALLUVIUM), soft, brown, moist		2"Ø BOREHOLE BENTONITE CHIPS	1DP		--	0.0
2.5							
5.0	- stiff			2DP		--	0.0
7.5	CL-CLAY (NATIVE), some sand, very stiff, brown, low moisture	*-7.0*		3DP		--	0.0
10.0	CL-CLAY, trace sand, gray brown mottled, moist	*-10.0*		4DP		--	0.0
12.5							
15.0				5DP		--	0.0
17.5				6DP		--	0.0
20.0				7DP		--	0.0
22.5	CL-CLAY and SAND - very moist	*-22.0*		8DP		--	0.0
25.0							
27.5	-saturated			9DP		--	--
30.0				10DP		--	--
32.5				11DP		--	--

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: BH-10
DATE COMPLETED: JULY 18, 2001
DRILLING METHOD: DPT
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
			2"Ø BOREHOLE	12DP	X	--	--
		-37.0					
-37.5	END LOG 37ft						
			BENTONITE CHIPS	13DP	X	--	--
-40.0							
				14DP	X	--	--
-42.5							
-45.0				15DP	X	--	--
-47.5				16DP	X	--	--
-50.0				17DP	X	--	--
		-52.0		18DP	X	--	--
-52.5	END OF HOLE @ 52.0ft BGS						
-55.0							
-57.5							
-60.0							
-62.5							
-65.0							
-67.5							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼
CHEMICAL ANALYSIS ⬭

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-11
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNONOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
2	CH-CLAY, orange		2 1/4" BOREHOLE	1			
	CH-CLAY, red-orange, very dry	3.00					
4							
6				2			
8	NO SAMPLES COLLECTED	8.00					
10							
12							
14							
16							
18							
20							
22							
24			BENTONITE CHIP FILL				
26							
28							
30							
32							
34							
36							
38							
40							
42							
44							
46							
48	END OF BOREHOLE @ 47.0ft BGS	47.00					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-12
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
2	CH-CLAY, orange and red mottled		2 1/4" BOREHOLE	3			
4	CH-CLAY, orange and red mottled with white clay lenses	4.00		4			
8	NO SAMPLES COLLECTED	8.00	BENTONITE CHIP FILL				
36	END OF BOREHOLE @ 36.0ft BGS	36.00					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-13
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
2, 4, 6	CH-CLAY, orange and red mottled with white sandy clay pockets		2 1/4" BOREHOLE	5, 6			
8	NO SAMPLES COLLECTED	8.00	BENTONITE CHIP FILL				
32	END OF BOREHOLE @ 32.0ft BGS	32.00					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-14
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
2, 4, 6	CH-CLAY, orange and red mottled with whiote sandy clay pockets		2 1/4" BOREHOLE	7, 8			
8	NO SAMPLES COLLECTED	8.00	BENTONITE CHIP FILL				
42	END OF BOREHOLE @ 43.0ft BGS	43.00					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-15
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
	CL-SANDY CLAY, brown, very hard		2 1/4" BOREHOLE	9			
4	dry, no water	4.00					
20			BENTONITE CHIP FILL				
40	END OF BOREHOLE @ 40.0ft BGS	40.00					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-16
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
	CL-SANDY CLAY, light brown with orange		2 1/4" BOREHOLE	10			
	CH-CLAY, red and orange mottled with white sandy clay pockets	4.00		11			
	NO SAMPLES COLLECTED	8.00	BENTONITE CHIP FILL				
	END OF BOREHOLE @ 40.0ft BGS	40.00					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-17
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
	CL-SANDY CLAY, brown with white sandy clay at 4ft		2 1/4" BOREHOLE	12			
	CL-SANDY CLAY, red and orange mottled	4.00		13			
	CH-CLAY, red and white	7.00					
	NO SAMPLES COLLECTED	8.00	BENTONITE CHIP FILL				
	END OF BOREHOLE @ 40.0ft BGS	40.00					

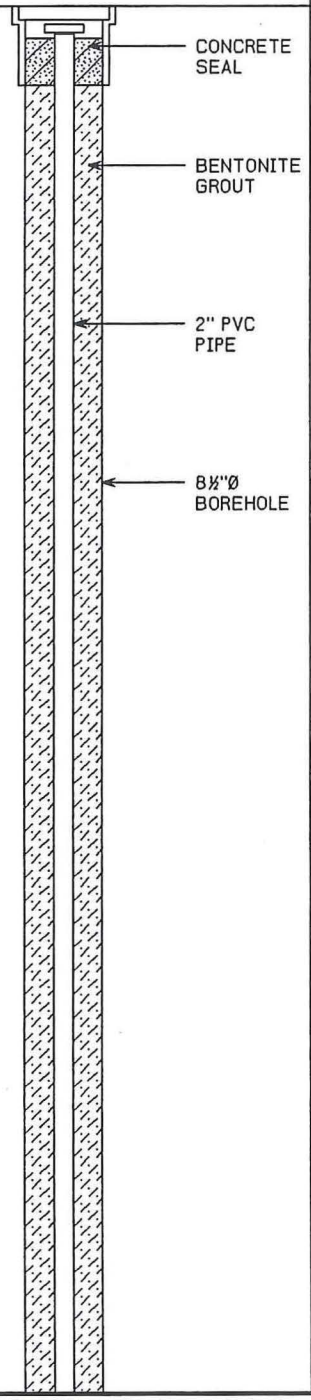
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-7D
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA/MUD ROTARY
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	*94.0* *93.75*					



2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0
27.5
30.0
32.5

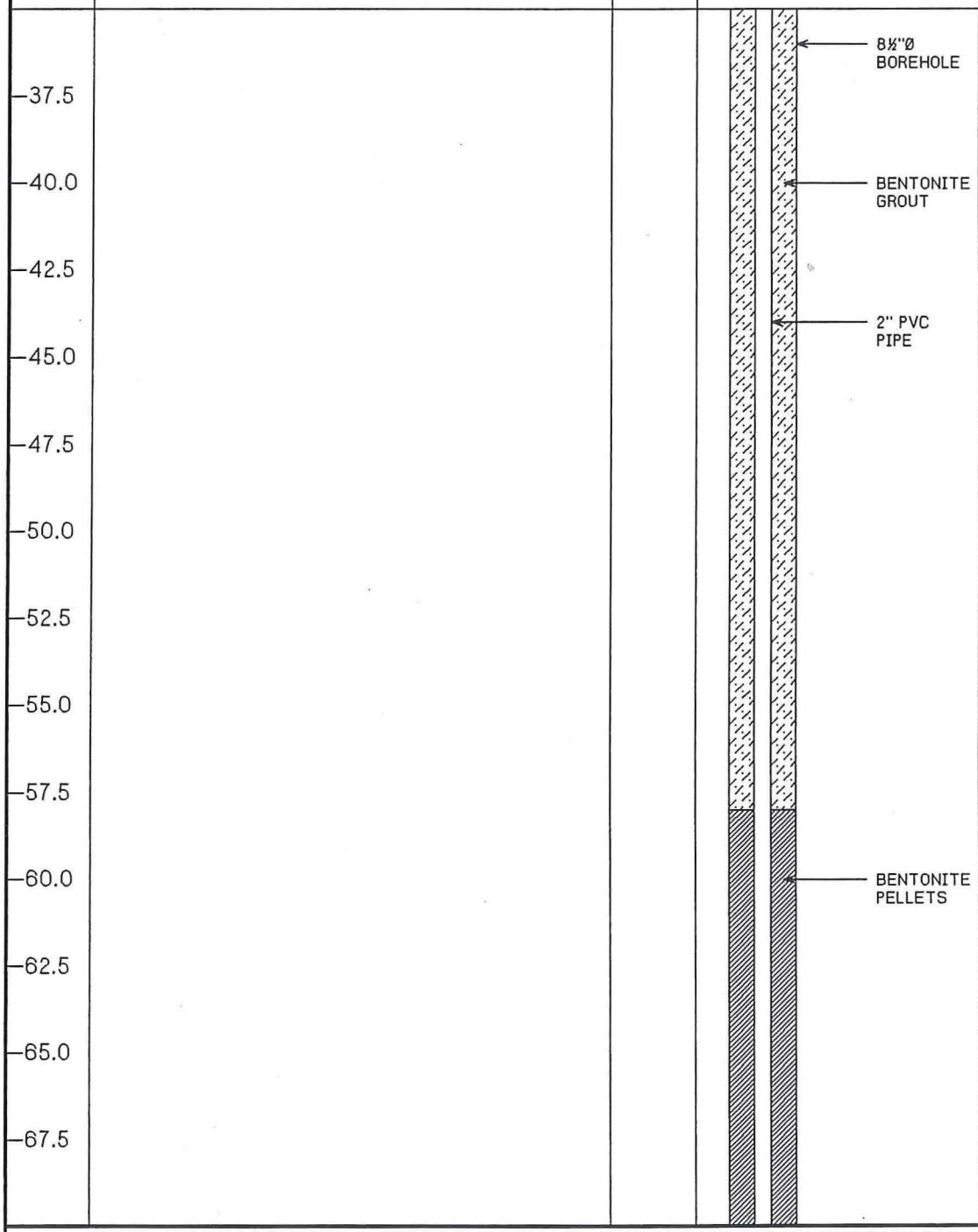
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-7D
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA/MUD ROTARY
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)

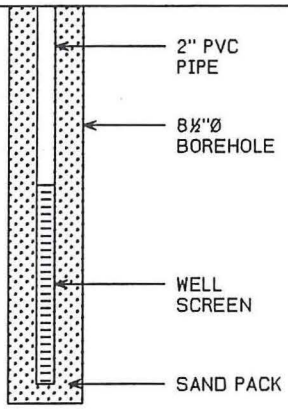


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-7D
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA/MUD ROTARY
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
72.5							
75.0							
77.5							
80.0	END OF HOLE @ 80.0ft BGS	*14.0*					
82.5							
85.0							
87.5							
90.0							
92.5							
95.0							
97.5							
100.0							
102.5							

SCREEN DETAILS
Screened interval:
74.5 to 79.5ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
70.0 to 80.0ft BGS
Material: #10/30 Sand and Natural Sand

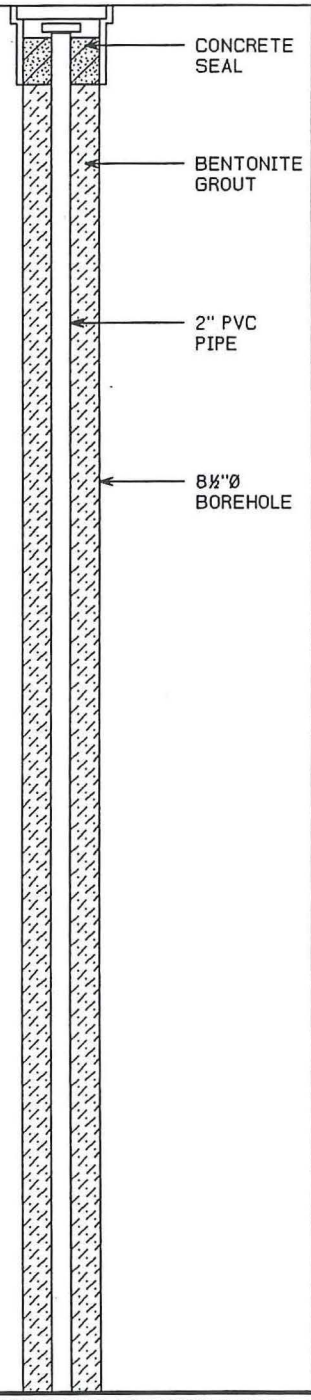
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-8
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	*93.8* *93.57*					



2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0
27.5
30.0
32.5

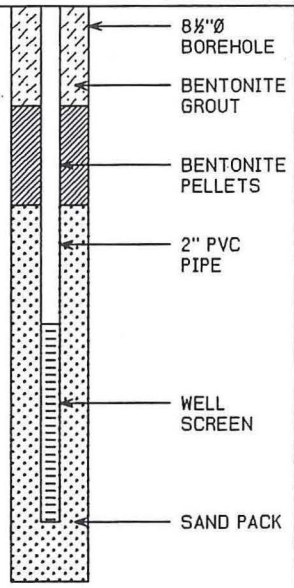
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-8
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
37.5							
40.0							
42.5							
45.0							
47.5							
50.0							
52.5							
55.0							
57.5							
60.0							
62.5							
65.0							
67.5							



SCREEN DETAILS
Screened Interval:
43.0 to 48.0ft BGS
Length: 5.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
40.0 to 49.5ft BGS
Material: #10/30 Sand

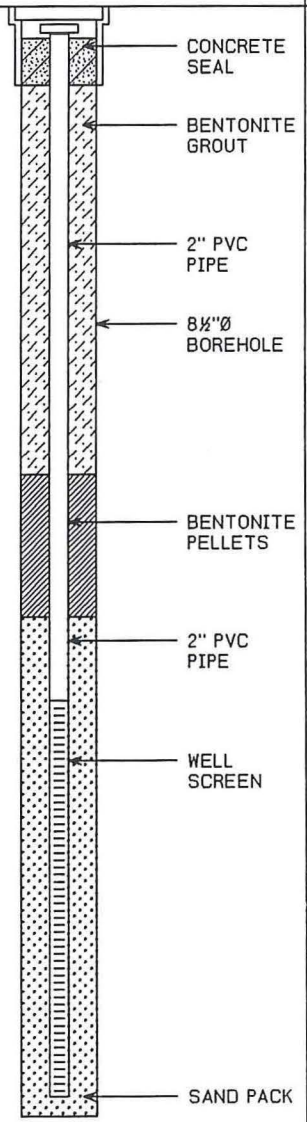
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FFM
LOCATION: COLQUITT, GEORGIA

HOLE DESIGNATION: MW-9
DATE COMPLETED: JULY 26, 2001
DRILLING METHOD: 4¼"Ø HSA
CRA SUPERVISOR: DAVID BRYTOWSKI

DEPTH ft. BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft. AMSL	MONITOR INSTALLATION	SAMPLE NUMBER	SAMPLE STATE	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	GROUND SURFACE REFERENCE POINT (Top of Riser)	*93.1* *92.85*					



2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0
27.5
30.0
32.5

SCREEN DETAILS
Screened interval:
17.5 to 27.5ft BGS
Length: 10.0ft
Diameter: 2"
Slot Size: #10
Material: PVC
Sand Pack:
15.4 to 28.0ft BGS
Material: #10/30 Sand

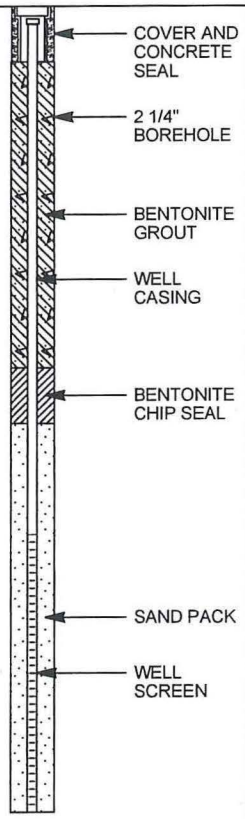
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽ STATIC WATER LEVEL ▼

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-10
DATE COMPLETED: September 4, 2002
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: D. BRYTOWSKI/ S. WOODALL

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
	TOP OF CASING	93.41					



WELL DETAILS
Screened interval:
19.00 to 29.00ft BGS
Length: 10ft
Diameter: 1in
Slot Size: 10
Material: SCH. 40 PVC
Seal:
13.00 to 15.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
15.00 to 29.00ft BGS
Material: FILTER SAND

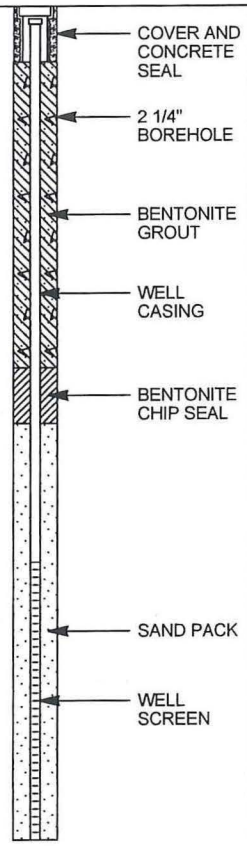
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-11
DATE COMPLETED: August 12, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE
	TOP OF CASING	94.44					



WELL DETAILS
Screened interval:
20.00 to 30.00ft BGS
Length: 10ft
Diameter: 1in
Slot Size: 10
Material: SCH. 40 PVC
Seal:
13.00 to 15.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
15.00 to 30.00ft BGS
Material: FILTER SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-11
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNONOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CH-CLAY, orange		2 1/4" BOREHOLE	1			
2		3.00					
	CH-CLAY, red-orange, very dry						
4							
6				2			
8	NO SAMPLES COLLECTED	8.00					
10							
12							
14							
16							
18							
20							
22							
24			BENTONITE CHIP FILL				
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-11
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNONOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36								
38								
40								
42								
44								
46								
	END OF BOREHOLE @ 47.0ft BGS	47.00						
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-12
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CH-CLAY, orange and red mottled		2 1/4" BOREHOLE	3			
4	CH-CLAY, orange and red mottled with white clay lenses	4.00		4			
8	NO SAMPLES COLLECTED	8.00					
18			BENTONITE CHIP FILL				

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-12
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36	END OF BOREHOLE @ 36.0ft BGS	36.00						
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-13
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CH-CLAY, orange and red mottled with white sandy clay pockets		2 1/4" BOREHOLE	5			
2							
4							
6				6			
8	NO SAMPLES COLLECTED	8.00					
10							
12							
14							
16			BENTONITE CHIP FILL				
18							
20							
22							
24							
26							
28							
30							
32	END OF BOREHOLE @ 32.0ft BGS	32.00					
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-14
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CH-CLAY, orange and red mottled with whiote sandy clay pockets		2 1/4" BOREHOLE	7			
2							
4							
6				8			
8	NO SAMPLES COLLECTED	8.00					
10							
12							
14							
16							
18							
20							
22			BENTONITE CHIP FILL				
24							
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-14
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36								
38								
40								
42								
	END OF BOREHOLE @ 43.0ft BGS	43.00						
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-15
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CL-SANDY CLAY, brown, very hard		2 1/4" BOREHOLE	9			
4	dry, no water	4.00					
20			BENTONITE CHIP FILL				

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-15
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36								
38								
40	END OF BOREHOLE @ 40.0ft BGS	40.00						
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-16
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CL-SANDY CLAY, light brown with orange		2 1/4" BOREHOLE	10			
4	CH-CLAY, red and orange mottled with white sandy clay pockets	4.00		11			
8	NO SAMPLES COLLECTED	8.00	BENTONITE CHIP FILL				

2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-16
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36								
38								
40	END OF BOREHOLE @ 40.0ft BGS	40.00						
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-17
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	CL-SANDY CLAY, brown with white sandy clay at 4ft		2 1/4" BOREHOLE	12			
2							
4	CL-SANDY CLAY, red and orange mottled	4.00					
6				13			
	CH-CLAY, red and white	7.00					
8	NO SAMPLES COLLECTED	8.00					
10							
12							
14							
16							
18							
20			BENTONITE CHIP FILL				
22							
24							
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-17
DATE COMPLETED: April 24, 2003
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: T. LAWRENCE

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36								
38								
40	END OF BOREHOLE @ 40.0ft BGS	40.00						
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-18
DATE COMPLETED: August 10, 2005
DRILLING METHOD: 2 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	Hand augered to 3.0ft BGS		6" BOREHOLE				
	CL-CLAY (RESIDUUM), trace sand, stiff, red brown/brown mottled, low moisture	3.00		1	X	2	3.0
				2	X	2	4.0
	- gray/red brown/brown mottled at 7.5ft BGS						
			BACKFILLED WITH BENTONITE CHIPS	3	X	1.5	4.5
	- moisture increasing at 10.0ft BGS						
				4	X	2	4.25
				5	X	2	4.5
	SP/CL-SAND and CLAY, mixed, saturated	15.50		6	X		
	END OF BOREHOLE @ 17.5ft BGS	17.50					

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-19
DATE COMPLETED: August 10, 2005
DRILLING METHOD: 2 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	SAMPLE PID (ppm)
	Hand augered to 3.0ft BGS		6" BOREHOLE				N/A	
2								
	CL-CLAY (RESIDUUM), trace sand, very stiff, red brown/brown mottled, low to moderate moisture	3.00		1		1.8	74.5	0.0
4								
6				2		2	4.5	
8				3		1.3	3.0	
10			BACKFILLED WITH BENTONITE CHIPS	4		2	3.75	
12								
14				5		1.9	3.25	
	- gray/yellow brown mottled at 15.0ft BGS							
16				6		0	3.75	
	- moisture increasing at 17.5ft BGS							
18				7		1	3.75	
20				8		0.5	3.5	
22	- CL and water at 22.0ft BGS							
	END OF BOREHOLE @ 22.5ft BGS	22.50						
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-20
DATE COMPLETED: August 10, 2005
DRILLING METHOD: 2 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	SAMPLE PID (ppm)
	Hand augered to 3.0ft BGS		6" BOREHOLE					
2		3.00						
4	CL-CLAY (RESIDUUM), trace sand, very stiff, gray/red brown/yellow brown mottled, low to moderate moisture			1	X	1.7	74.5	0.0
6			BACKFILLED WITH BENTONITE CHIPS	2	X	2.1	74.5	
8		8.50		3	X	2.3	0.25	
10	CL-CLAY (RESIDUUM), trace sand, soft, yellow brown/red brown mottled, moist to saturated			4	X	2.1		
12		12.50						
	END OF BOREHOLE @ 12.5ft BGS							
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-21
DATE COMPLETED: August 10, 2005
DRILLING METHOD: 2 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	Hand augered to 3.0ft BGS		6" BOREHOLE				
	CL-CLAY (RESIDUUM), trace sand,soft, yellow brown/gray mottled, saturated	3.00	BACKFILLED WITH BENTONITE CHIPS	1	X	1.8	0.75
				2	X	2.5	0
	END OF BOREHOLE @ 7.5ft BGS	7.50					

2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-22
DATE COMPLETED: August 10, 2005
DRILLING METHOD: 2 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	SAMPLE PID (ppm)
	Hand augered to 3.0ft BGS		6" BOREHOLE					
2								
	CL-CLAY (RESIDUUM), trace sand, moderate density, red brown/yellow brown mottled, moist	3.00		1	X	1.8	1.75	0.0
4								
	CL-CLAY (RESIDUUM),some sand, stiff, yellow brown/red brown mottled, moist to saturated	5.00	BACKFILLED WITH BENTONITE CHIPS	2	X	2.2	3.25	0.0
6								
	no recovery, water	7.50		3	X	0	0	N/A
8								
	CL-CLAY (RESIDUUM), trace sand, soft, yellow brown/gray mottled, saturated	10.00		4	X	1.5	1.0	N/A
10								
12		12.50						
	END OF BOREHOLE @ 12.5ft BGS							
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: BH-23
DATE COMPLETED: August 10, 2005
DRILLING METHOD: 2 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	Hand augered to 3.0ft BGS		6" BOREHOLE				
2							
	CL-CLAY/SAND/SILT (FILL), soft, saturated	3.00					
4			BACKFILLED WITH BENTONITE CHIPS	1	X	0.67	0
6							
8				2	X	0.67	0
10	END OF BOREHOLE @ 10.0ft BGS	10.00					
12							
14							
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							

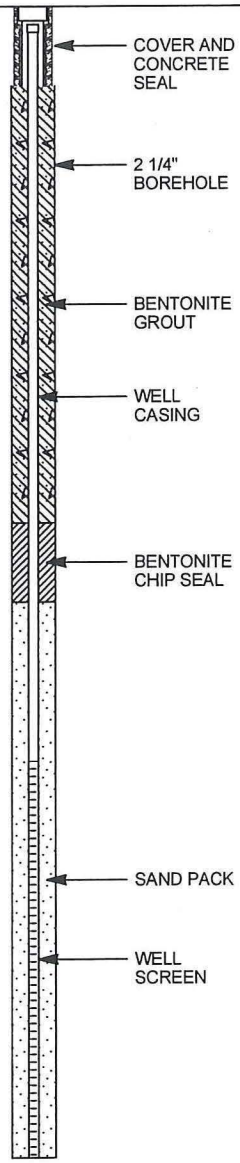
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-10
DATE COMPLETED: September 4, 2002
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	TOP OF CASING	93.41					



WELL DETAILS
Screened interval:
19.00 to 29.00ft BGS
Length: 10ft
Diameter: 1in
Slot Size: 10
Material: SCH. 40 PVC
Seal:
13.00 to 15.00ft BGS

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-10
DATE COMPLETED: September 4, 2002
DRILLING METHOD: DIRECT PUSH TECHNOLOGY
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36			Material: BENTONITE CHIPS Sand Pack: 15.00 to 29.00ft BGS Material: FILTER SAND					
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

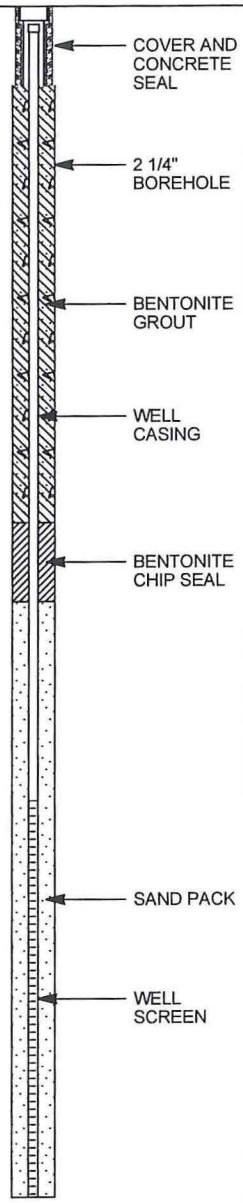
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-11
DATE COMPLETED: August 12, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	TOP OF CASING	94.44					



WELL DETAILS
Screened interval:
20.00 to 30.00ft BGS
Length: 10ft
Diameter: 1in
Slot Size: 10
Material: SCH. 40 PVC
Seal:

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-11
DATE COMPLETED: August 12, 2003
DRILLING METHOD: DIRECT PUCH TECHNOLOGY
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF	
36			13.00 to 15.00ft BGS Material: BENTONITE CHIPS Sand Pack: 15.00 to 30.00ft BGS Material: FILTER SAND					
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

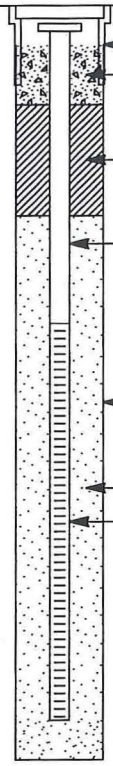
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-13
DATE COMPLETED: August 11, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	Hand augered to 3.5ft BGS	
2		
4	CL-CLAY and SAND (RESIDUUM), soft, gray/yellowbrown mottled, moist	3.50
	- some black coloring at 5.0ft BGS	
6		
8	CL-CLAY and SAND (RESIDUUM), stiff, gray/yellow brown/red brown mottled, moist	7.50
10	- moisture increasing slightly at 10.0ft BGS	
12		
14		
16		
18		17.50
20	END OF BOREHOLE @ 19.0ft BGS	
22		
24		
26		
28		
30		
32		
34		

MONITORING WELL



WELL DETAILS
Screened interval:
8.00 to 18.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: .010
Material: SCH. 40 PVC
Seal:
2.50 to 5.30ft BGS
Material: BENTONITE CHIPS
Sand Pack:
5.30 to 19.00ft BGS
Material: 10/30 SAND

SAMPLE NUMBER	INTERVAL	REC (%)	Tons/SF	PID (ppm)
1	X	1		358
2	X	0.42		60
3	X	2	2.3	7.8
4	X	1.9	2.2	1.3
5	X	2.5	1.8	5.4
6	X	2.5	2.0	N/A

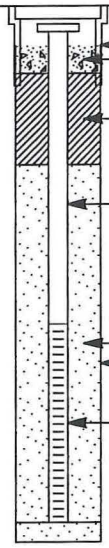
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-14
DATE COMPLETED: August 11, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
2, 4	CL-CLAY, saturated at 4.0ft BGS, hand augered to 5.0ft BGS						
6	CL-CLAY, trace sand, orange/red mottled	5.00		1	X		1.75
8, 10, 12, 14	CL-CLAY and SAND (RESIDUUM), yellow brown/light gray mottled, low moisture - some chert fragments at 10.0ft BGS - very moist at 12.5ft BGS - WEATHERED ROCK, very hard, low moisture, water in cuttings at 13.0ft BGS END OF BOREHOLE @ 13.5ft BGS	7.50		2 3 4	X X X		3.0 – –
16, 18, 20, 22, 24, 26, 28, 30, 32, 34		15.00					



WELL DETAILS
Screened interval:
8.00 to 13.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: .010
Material: SCH. 40 PVC
Seal:
1.70 to 4.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
4.00 to 13.50ft BGS
Material: 10/30 SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

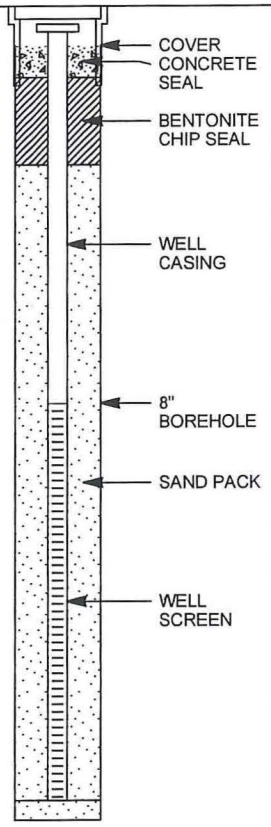
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-15
DATE COMPLETED: August 11, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	Hand augered to 5.0ft BGS	
	SM-SAND and SILT (FILL), loose, saturated, burnt wood fragments	5.00
	CL-CLAY and SAND (RESIDUUM), stiff to very stiff	8.50
	SP-SAND (RESIDUUM), some rock fragments, loose	12.50
	CL-CLAY and SAND (RESIDUUM), stiff, light gray, very moist	15.00
	SP-SAND (RESIDUUM), trace clay, loose, saturated	16.50
	END OF BOREHOLE @ 20.5ft BGS	20.50

MONITORING WELL



WELL DETAILS
Screened interval:
10.00 to 20.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: .010
Material: SCH. 40 PVC
Seal:
1.80 to 4.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
4.00 to 20.50ft BGS
Material: 10/30 SAND

SAMPLE NUMBER	INTERVAL	REC (%)	Tons/SF
1		1.5	--
2		2	1.5
3		2.5	3.75
4		1.3	N/A
5		2	2.0

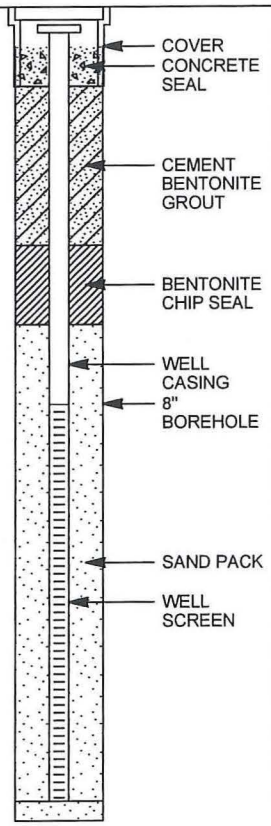
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-16
DATE COMPLETED: August 11, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE Tons/SF
	Hand augered to 5.0ft BGS						
	CL-CLAY (RESIDUUM), very stiff, red/tan/white mottled	5.00		1	X		74.5
	- trace sand at 7.5ft BGS			2	X		74.5
				3	X		3.5
	CL-CLAY and SAND (RESIDUUM), soft, saturated	13.00		4	X		2.75
				5	X		1.75
				6	X		2.5
	END OF BOREHOLE @ 20.5ft BGS	20.00					



WELL DETAILS
Screened interval:
10.00 to 20.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: .010
Material: SCH. 40 PVC
Seal:
6.00 to 8.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
8.00 to 20.50ft BGS
Material: 10/30 SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-17D
DATE COMPLETED: August 12, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	INTERVAL	REC (%)	Tons/SF	PID (ppm)
	Hand augered to 3ft BGS		COVER CONCRETE SEAL					
2								
	CL-CLAY (RESIDUUM), some sand, firm to stiff, yellow brown	3.00		1	X		2.5	0.0
4								
6								
8				2	X		3.5	0.0
10			8" BOREHOLE					
12								
14				3	X		74.5	0.0
16								
18	CL-CLAY and SAND (RESIDUUM), soft, moist	18.00		4	X		2.75	0.0
20								
22	- saturated at 23.0ft BGS							
24				5	X		3.75	0.0
26								
28				6	X			
30								
32	CH-CLAY, soft, plastic	31.00	CEMENT BENTONITE GROUT					
34	- 1" sand seam, saturated at 34.2ft BGS			7	X		0.25	0.0

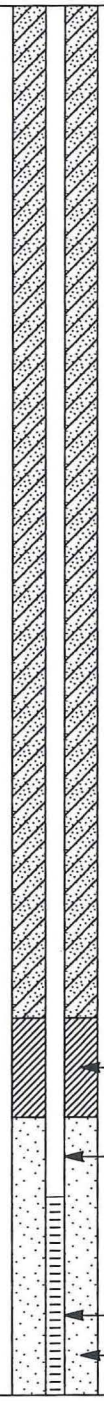
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-17D
DATE COMPLETED: August 12, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	INTERVAL	REC (%)	Tons/SF	PID (ppm)
36								
38				8	X	2.5	1.0	0.0
40								
42								
44	- sandstone rock fragments at 44.5ft BGS			9	X	2.5	0.5	0.0
46								
48				10	X	1	N/A	0.0
50	After 50ft BGS flowing sands prevented split spoon sampling	50.00						
52								
54								
56								
58								
60								
62			BENTONITE CHIP SEAL					
64			WELL CASING					
66								
68			WELL SCREEN SAND PACK					

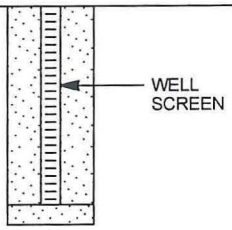


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: BIRDSONG PEANUT PLANT
PROJECT NUMBER: 18283-01
CLIENT: FARMERS FEED AND MILLING
LOCATION: ATLANTA, GEORGIA

HOLE DESIGNATION: MW-17D
DATE COMPLETED: August 12, 2005
DRILLING METHOD: 4 1/4" I.D. HSA
FIELD PERSONNEL: D. BRYTOWSKI

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	INTERVAL	REC (%)	Tons/SF	PID (ppm)
72								
74								
76	END OF BOREHOLE @ 75.5ft BGS	75.50	WELL DETAILS Screened interval: 65.00 to 75.00ft BGS Length: 10ft Diameter: 2in Slot Size: .010 Material: SCH. 40 PVC Seal: 60.50 to 63.00ft BGS Material: BENTONITE CHIPS Sand Pack: 63.00 to 75.50ft BGS Material: 10/30 SAND					
78								
80								
82								
84								
86								
88								
90								
92								
94								
96								
98								
100								
102								
104								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

APPENDIX B

FIELD LABORATORY ANALYTICAL REPORTS

ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

Case Narrative

Client Information:

Client: **Conestoga Rover Associates**
1351 Oakbrook Drive
Norcross, GA 30093
Project Mgr: Thom Lawrence

Client Project Information:

Project: Birdsong Peanut
Project No.:
Collected by:

Laboratory Project Information:

Lab Number: 4-010558
Date Collected: 7/16-18/01
Date Received: 7/16-18/01

Case Summary:

1) Samples were received in good condition and between 0 and 4°C.
2) Samples were analyzed following current EPA Methodologies and the standards of NELAP.
3) No QA/QC problems were encountered during the analysis of the samples.

Data Approved by: Phillip Hathcock Date: 7/21/01
Phillip Hathcock
Laboratory Technical Director

ESN Southeast is certified/approved to conduct environmental analytical testing in the following states:
California #2121, Florida #990184, Tennessee, Alabama, Georgia.
ESN Southeast adheres to the standards set forth by the National Environmental Laboratory Accreditation Program (NELAP).

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ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**Conestoga Rover Associates**
	1351 Oakbrook Drive
	Norcross, GA 30093
Project Mgr:	Thom Lawrence

Laboratory Information:

Lab Number:	4-010558
Date Collected:	7/16-18/01
Date Received:	7/16-18/01
Date Analyzed:	7/16-18/01

Project Information:

Project:	Birdsong Peanut
Project No.:	
Collected by:	

Sample Information:

Sample Matrix:	Soil

SAMPLE ID	Vinyl Chloride mg/Kg	Dichloroethane mg/Kg	Dichloroethene mg/Kg	Trichloroethene mg/Kg	Tetrachloroethene mg/Kg	Surr. Rec (%)	Data Qual.
Method Blank	ND	ND	ND	ND	ND	89	
BH-1 2'	ND	ND	ND	ND	ND	91	
BH-1 21'	ND	ND	ND	ND	ND	88	
BH-2 4'	ND	ND	ND	ND	ND	95	
BH-2 21'	ND	ND	ND	ND	ND	101	
BH-3 2'	ND	ND	ND	ND	ND	106	
BH-3 21'	ND	ND	ND	ND	28.0	95	
BH-3 10'	ND	ND	ND	ND	ND	94	
BH-4 1.5'	ND	ND	ND	ND	ND	103	
BH-4 10'	ND	ND	ND	ND	ND	79	
BH-5 1'	ND	ND	ND	ND	ND	85	
BH-5 7.5'	ND	ND	ND	ND	ND	88	
BH-5 22'	ND	ND	ND	ND	ND	104	
BH-6 1'	ND	ND	ND	ND	ND	103	
BH-6 19.5'	ND	ND	ND	ND	7.5	95	
BH-7 1'	ND	ND	ND	ND	ND	99	
BH-7 15'	ND	ND	ND	ND	ND	106	
BH-8 1'	ND	ND	ND	ND	ND	87	
BH-8 25.5'	ND	ND	ND	ND	21.3	99	
BH-9 1.5'	ND	ND	ND	ND	ND	101	
BH-9 17.5'	ND	ND	ND	ND	ND	110	
BH-10-2'	ND	ND	ND	ND	ND	101	
BH-10 27'	ND	ND	ND	ND	ND	96	

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED
at or above the listed PQL.

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ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**Conestoga Rover Associates**
	1351 Oakbrook Drive
	Norcross, GA 30093
Project Mgr:	Thom Lawrence

Laboratory Information:

Lab Number:	4-010558
Date Collected:	7/16-18/01
Date Received:	7/16-18/01
Date Analyzed:	7/16-18/01

Project Information:

Project:	Birdsong Peanut
Project No.:	
Collected by:	

Sample Information:

Sample Matrix:	Water

SAMPLE ID	Vinyl Chloride ug/L	Dichloroethane ug/L	Dichloroethene ug/L	Trichloroethene ug/L	Tetrachloroethene ug/L	Surr. Rec (%)	Data Qual.
Method Blank	ND	ND	ND	ND	ND	99	
BH-1	ND	ND	ND	ND	ND	97	
BH-2	ND	ND	ND	ND	ND	105	
BH-3	ND	ND	ND	ND	108	107	
BH-5	ND	ND	ND	ND	ND	103	
BH-6	ND	ND	ND	ND	23.0	99	
BH-7	ND	ND	ND	ND	ND	96	
BH-8	ND	ND	ND	ND	118	89	
BH-9	ND	ND	ND	ND	ND	93	
BH-10	ND	ND	ND	ND	ND	102	

DATA QUALIFIERS:

*PQL - Practical Quantitation Limit
**Results listed as 'ND' were NOT DETECTED
at or above the listed PQL.

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ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK
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CHAIN-OF-CUSTODY RECORD

CLIENT: Conestoga Rovers Assoc.
ADDRESS: 1351 Oakbrook Dr Ste 150
CITY: Norcross STATE: GA ZIP: 30093
PHONE: 770-441-0027 FAX: 770-441-2050
CLIENT PROJECT #: PROJECT MANAGER:

DATE: 7/16/01 PAGE 1 OF
ESN PROJECT #: Budsong Peanut
LOCATION:
COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-1 (1)	2'			Soil	4oz	X									ND		
BH-1 (1)	21'			Soil	4oz	X									ND		
BH-1 (1)	21'			Water	VOA	X									ND		
BH-2	4'			Soil	4oz	X									ND		
BH-2	21'			Soil	4oz	X									ND		
BH-2	/			Water	VOA	X									ND		
BH-3	2'			Soil	4oz	X									ND		
BH-3	21'			Soil	4oz	X									28 ppb Tetrachloroethene		
BH-3	/			Water	VOA	X									108 ppb - Tetrachloroethene		
BH-3	10'			Soil	4oz	X									ND		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

❑ *ESN DISPOSAL @ $2.00 each* ❑ *Return* ❑ *Pickup*

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD CON./COLD	
NOTES:	

LABORATORY NOTES:
1 Spilt
5 H2O

ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CHAIN-OF-CUSTODY RECORD

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CLIENT: Conestoga Rover Assoc
ADDRESS: 1351 Oakbrook Dr Ste 150
CITY: Norcross STATE: GA ZIP: 30093
PHONE: 7)441-0027 FAX: 7)441-2050
CLIENT PROJECT #: PROJECT MANAGER:

DATE: 7/17/01 PAGE 1 OF
ESN PROJECT #:
LOCATION: Birdsong Peanut
COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081							FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-4 (008)	1.5'			Soil	4oz		x														ND		
BH-4 (009)	10'			Soil	4oz		x														ND		
BH-5 (010)	1'			Soil	4oz		x														ND		
BH-5 (011)	7.5			Soil	4oz		x														ND		
BH-5 (012)	22			Soil	4oz		x														ND		
BH-5 (013)	"			Water	VOA		x														ND		
BH-6 (014)	1'			Soil	4oz		x														ND		
BH-6 (015)	19.5			Soil	4oz		x														7.5 ppb PCE		
BH-6 (006)				Water	Voa		x														23 ppb PCE		
BH-7 (016)	1'			Soil	4oz		x														ND		
BH-7	15'			Soil	4oz		x														ND		
BH-7	15'			Water	VOA		x														ND		
BH-8	1'			Soil	4oz		x														ND		
BH-8	25.5			Soil	4oz		x														~~ND~~ 21.3 ppb PCE		
BH-8	"			Water	VOA		x														118 ppb PCE		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

❑ ESN DISPOSAL @ $2.00 each ❑ Return ❑ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD CON./COLD	
NOTES:	

LABORATORY NOTES:
11 Soil
11 Water

ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CHAIN-OF-CUSTODY RECORD

3600-C Kennesaw N. Ind. Pkwy. ■ Kennesaw, GA 30144 ■ 770-919-0805 ■ Fax 770-919-0806

CLIENT: Conestoga Rovers Assoc
ADDRESS: 1351 Oakbrook Drive Ste 150
CITY: Norcross STATE: GA ZIP: 30093
PHONE: 770441-6027 FAX: 770441-2050
CLIENT PROJECT #: PROJECT MANAGER:

DATE: 7/18/01 PAGE 1 OF 1
ESN PROJECT #:
LOCATION: Birdsong Peanut
COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-9	1.5'			Soil	4 oz		X								ND		
BH-9	17.5			Soil	4 oz		X								ND		
BH-9	—			Water	VOA		X								ND		
BH-10	2'			Soil	4 oz		X								ND		
BH-10	22'			Soil	4 oz		X								ND		
BH-10	—			Water	VOA		X								ND		

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

❑ ESN DISPOSAL @ $2.00 each ❑ Return ❑ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD CON./COLD	
NOTES:	

LABORATORY NOTES:
4 Soil
2 Water

SAMPLE COLLECTION DATA SHEET - GROUNDWATER SAMPLING PROGRAM

PROJECT NAME FFM CSR PROJECT NO. **18283-01**

SAMPLING CREW MEMBERS DJB & TAL SUPERVISOR

DATE OF SAMPLE COLLECTION 8/2/01

[Note: For 2" dia. well, 1 ft. = 0.14 gal (imp) or 0.16 gal (us)]

Sample I.D. Number	Well Number	Measuring Point Elev. (ft. AMSL)	Bottom Depth (ft. btoc)	Water Depth (ft. btoc)	Water Elevation (ft. AMSL)	Well Volume (gallons)	Bailer Volume No. Bails	Volume Purged (gallons)	Field pH	Field Temp.	Field Cond.	Time	Sample Description & Analysis
101	MW-9												
102	MW-5												
103	MW-8												
104	MW-7D												
105	MW-6												
106	MW-4												
107	blank												

Additional Comments:

Copies to:

CRA

ESN SOUTHEAST | Environmental Services Network

Case Narrative

Client Information:

Client: CONESTOGA-ROVERS
1351 Oakbrook Dr Ste. 150
Norcross, GA 30093
Project Mgr: Tom Lawrence

Client Project Information:

Project: 608 E. Main St.
Project No.:
Collected by: Tom Lawrence

Laboratory Project Information:

Lab Number: 030358-4
Date Collected: 4/24-25/03
Date Received: 4/24-25/03

Case Summary:

1) Samples were received in good condition and between 0 and 4°C.
2) Samples were analyzed following current EPA Methodologies and the standards of NELAP.
3) No QA/QC problems were encountered during the analysis of the samples.

Data Approved by: Phillip Hathcock Date: 5/1/03
Phillip Hathcock
Laboratory Technical Director

* Estimated uncertainties for test results are found in laboratory SOPs and are available upon request.
* ESN Southeast is certified/approved to conduct environmental analytical testing in the following states:
* California #2121, Florida #990184, Tennessee, Alabama, Georgia.
* ESN Southeast adheres to the standards set forth by the National Environmental Laboratory Accreditation Program (NELAP).

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	.....
Date Received:	.....
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	Method Blank
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	125
Toluene-d8	97
4-Bromofluorobenzene	98

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-11
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	115
Toluene-d8	100
4-Bromofluorobenzene	93

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-11
	7-8'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m*&*p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	119
Toluene-d8	109
4-Bromofluorobenzene	93

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ESN SOUTHEAST Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-12
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m*&*p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	117
Toluene-d8	85
4-Bromofluorobenzene	92

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-12
	7-8'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	116
Toluene-d8	83
4-Bromofluorobenzene	91

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-13
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	126
Toluene-d8	86
4-Bromofluorobenzene	107

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-13
	7-8'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	114
Toluene-d8	85
4-Bromofluorobenzene	105

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-14
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	128
Toluene-d8	89
4-Bromofluorobenzene	91

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-14
	7-8'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	115
Toluene-d8	86
4-Bromofluorobenzene	87

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-15
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	124
Toluene-d8	86
4-Bromofluorobenzene	90

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-16
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	110
Toluene-d8	91
4-Bromofluorobenzene	92

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-16
	7-8'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	125
Toluene-d8	91
4-Bromofluorobenzene	97

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	.....
Date Received:	.....
Date Analyzed:	4/25/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	Method Blank
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	121
Toluene-d8	96
4-Bromofluorobenzene	113

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/25/2003
Date Received:	4/25/2003
Date Analyzed:	4/25/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-17
	3-4'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	121
Toluene-d8	83
4-Bromofluorobenzene	108

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/25/2003
Date Received:	4/25/2003
Date Analyzed:	4/25/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-17
	7-8'
Sample Matrix:	Soil

CONSTITUENT	PQL* mg/kg	RESULTS mg/kg	CONSTITUENT	PQL* mg/kg	RESULTS mg/kg
Vinyl Chloride	0.005	ND	Bromodichloromethane	0.005	ND
Bromomethane	0.005	ND	Toluene	0.005	ND
Methyl-t-butyl ether (MTBE)	0.010	ND	1,1,2-Trichloroethane	0.005	ND
1,1-Dichloroethene	0.005	ND	Tetrachloroethene	0.005	ND
Methylene Chloride	0.005	ND	Dibromochloromethane	0.005	ND
trans-1,2-Dichloroethene	0.005	ND	Chlorobenzene	0.005	ND
1,1-Dichloroethane	0.005	ND	1,1,1,2-Tetrachloroethane	0.005	ND
cis-1,2-Dichloroethene	0.005	ND	Ethylbenzene	0.005	ND
Chloroform	0.005	ND	*m&p*-Xylene	0.010	ND
1,1,1-Trichloroethane	0.005	ND	*o*-Xylene	0.005	ND
1,2-Dichloroethane	0.005	ND	Bromoform	0.005	ND
Benzene	0.005	ND	1,1,2,2-Tetrachloroethane	0.005	ND
Trichloroethene	0.005	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED

Surrogate Compounds	% Recovery
Dibromofluoromethane	123
Toluene-d8	94
4-Bromofluorobenzene	110

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	.....
Date Received:	.....
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	Method Blank
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	ND
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	125
Toluene-d8	97
4-Bromofluorobenzene	98

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-11
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	ND
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	106
Toluene-d8	112
4-Bromofluorobenzene	109

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-12
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	8.8
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m*&*p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	119
Toluene-d8	115
4-Bromofluorobenzene	102

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-13
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	1.2
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	117
Toluene-d8	105
4-Bromofluorobenzene	99

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-14
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	1.8
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	115
Toluene-d8	106
4-Bromofluorobenzene	92

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CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/24/2003
Date Received:	4/24/2003
Date Analyzed:	4/24/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-16
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	4.2
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	122
Toluene-d8	92
4-Bromofluorobenzene	107

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	.....
Date Received:	.....
Date Analyzed:	4/25/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	Method Blank
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	ND
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	121
Toluene-d8	96
4-Bromofluorobenzene	113

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ESN SOUTHEAST | Environmental Services Network

CERTIFICATE OF ANALYSIS

Volatile Organic Compounds by GC/MS
EPA Method 8260B

Client Information:

Client:	**CONESTOGA-ROVERS**
	1351 Oakbrook Dr Ste. 150
	Norcross, GA 30093
Project Mgr:	Tom Lawrence

Laboratory Information:

Lab Number:	030358-4
Date Collected:	4/25/2003
Date Received:	4/25/2003
Date Analyzed:	4/25/2003

Project Information:

Project:	608 E. Main St.
	Colquitt, GA.
Project No.:	
Collected by:	Tom/ Sammy

Sample Information:

Sample ID:	BH-17
Sample Matrix:	Water

CONSTITUENT	PQL* ug/L	RESULTS ug/L	CONSTITUENT	PQL* ug/L	RESULTS ug/L
Vinyl Chloride	1.0	ND	Bromodichloromethane	1.0	ND
Bromomethane	1.0	ND	Toluene	1.0	ND
Methyl-t-butyl ether (MTBE)	10.0	ND	1,1,2-Trichloroethane	1.0	ND
1,1-Dichloroethene	1.0	ND	Tetrachloroethene	1.0	48.7
Methylene Chloride	1.0	ND	Dibromochloromethane	1.0	ND
trans-1,2-Dichloroethene	1.0	ND	Chlorobenzene	1.0	ND
1,1-Dichloroethane	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
cis-1,2-Dichloroethene	1.0	ND	Ethylbenzene	1.0	ND
Chloroform	1.0	ND	*m&p*-Xylene	2.0	ND
1,1,1-Trichloroethane	1.0	ND	*o*-Xylene	1.0	ND
1,2-Dichloroethane	1.0	ND	Bromoform	1.0	ND
Benzene	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
Trichloroethene	1.0	ND			

DATA QUALIFIERS:

***PQL** - Practical Quantitation Limit
****Results** listed as **'ND'** were NOT DETECTED at or above the listed PQL.

Surrogate Compounds	% Recovery
Dibromofluoromethane	109
Toluene-d8	93
4-Bromofluorobenzene	108

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ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CHAIN-OF-CUSTODY RECORD

3600-C Kennesaw N. Ind. Pkwy. ■ Kennesaw, GA 30144 ■ 770-919-0805 ■ Fax 770-919-0806

CLIENT: Conestoga - Rovers & Assoc. Inc.
ADDRESS: 351 Darlook Dr., Ste 150
CITY: Norcross STATE: GA ZIP: 30093
PHONE: 770-441-0027 FAX: 770-441-2050
CLIENT PROJECT #: PROJECT MANAGER: Tom Lawrence

DATE: April 25, 2003 PAGE 1 OF 1
ESN PROJECT #: 020358-V
LOCATION: 608 E. Main Colgate, GA
COLLECTOR: Tom/Sonny/Tony DATE OF COLLECTION: 4/25

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-17	3-4'		4/25	Soil	Jar			✓								1	
↓	7-8		↓	↓	↓			✓								1	
BH-17	—	0910	↓	↓ Q	VOAs			✓								2	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	4/25/03
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]			

SAMPLE DISPOSAL INSTRUCTIONS

❑ ESN DISPOSAL @ $2.00 each ❑ Return ❑ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD CON./COLD	
NOTES:	

LABORATORY NOTES:

ESN SOUTHEAST | ENVIRONMENTAL SERVICES NETWORK

CHAIN-OF-CUSTODY RECORD

3600-C Kennesaw N. Ind. Pkwy. ■ Kennesaw, GA 30144 ■ 770-919-0805 ■ Fax 770-919-0806

CLIENT: Conestoga-Rovers & Assoc's
ADDRESS: 1351 Oakbrook Dr. Ste. 150
CITY: Norcross STATE: GA. ZIP: 30093
PHONE: 770-441-0027 FAX: 770-441-2050
CLIENT PROJECT #: PROJECT MANAGER: Tom Lawrence

DATE: April 24, 2003 PAGE 1 OF 1
ESN PROJECT #: 030358-4
LOCATION: 608 E Main Calhoun, GA.
COLLECTOR: Tom/Sunny/Tony DATE OF COLLECTION: 4/24

Sample Number	Depth	Time	Date	Sample Type	Container	BTEX 8021B	VOA 8021B	VOA 624/8260B	Semi Vol 625/8270C	TPH 8015B (gasoline)	TPH 8015B (diesel)	TPH 8015B (g & d)	PAH 610/8100	PEST/PCBs8081	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
BH-11	3-4'	—	4/24	Soil	JAR.			✓								1	
↓	7-8'	—		Soil	↓			✓								1	
BH-11	—	10:00		L: Qt	VOAs			✓								2	
BH-12	3-4'	—		Soil	JAR.			✓								1	
↓	7-8'	—		↓	↓			✓								1	
BH-12	—	11:30		L: Q	VOAs			✓								2	
BH-13	3-4'			Soil	JAR.			✓								1	
↓	7-8'			Soil	↓			✓								1	
BH-13	—	1345		L. Q	VOAs			✓								2	
BH-14	3-4'	—		Soil	Jars.			✓								1	
↓	7-8'	—		↓	↓			✓								1	
BH-14	—	1500		L. Q	VOAs			✓								2	
BH-15	3-4'	—		Soil	Jars			✓								1	
BH-16	3-4	—		↓	↓			✓								1	
↓	7-8'	—		↓	↓			✓								1	
BH-16	—	1710	↓	L. Q	VOAs			✓								2	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4-24-03	[signature]	4/24/03
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ ESN DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD CON./COLD	
NOTES:	

LABORATORY NOTES:

APPENDIX C

FIXED LABORATORY ANALYTICAL REPORTS

SAMPLE KEY
FORMER FFM/BIRDSONG PEANUT
COLQUITT, GEORGIA

Sample ID	Well ID
GW-080201-DJB-101	MW-9
GW-080201-TL-102	MW-5
GW-080201-DJB-103	MW-8
GW-080201-TL-104	MW-7D
GW-080201-TL-105	MW-6
GW-080201-TL-106	MW-4
GW-070902-DJB-001	MW-5
GW-070902-DJB-002	MW-7D
GW-070902-DJB-003	MW-6
GW-090402-DJB	MW-10
GW-102902-DJB-001	MW-10
GW-102902-DJB-002	MW-5
GW-102902-DJB-003	MW-7D
GW-102902-DJB-004	MW-6
GW-102902-DJB-005	MW-6 duplicate
GW-021103-DJB-001	MW-5
GW-021103-DJB-002	MW-10
GW-021103-DJB-003	MW-7D
GW-021103-DJB-004	MW-7D duplicate
GW-021103-DJB-005	MW-6
GW-093003-DJB-001	MW-11
GW-093003-DJB-002	MW-5
GW-093003-DJB-003	MW-10
GW-093003-DJB-004	MW-7D
GW-093003-DJB-006	MW-6
GW-110703-TL-001	MW-7D
GW-110703-TL-002	MW-6
GW-110703-TL-003	MW-10
GW-110703-TL-004	MW-11
GW-110703-TL-005	MW-5
GW-110703-TL-006	MW-9
GW-041304-DJB-001	MW-5
GW-041304-DJB-002	MW-11
GW-041304-DJB-003	MW-10
GW-041304-DJB-004	MW-6
GW-041304-DJB-005	MW-7D

Sample ID	Well ID
GW-062304-DJB-001	MW-12
GW-062304-DJB-002	MW-11
GW-062304-DJB-003	MW-10
GW-062304-DJB-004	MW-5
GW-062304-DJB-005	MW-6
GW-062304-DJB-006	MW-7D
WG-102004-DJB-001	MW-5
WG-102004-DJB-002	MW-12
WG-102004-DJB-003	MW-11
WG-102004-DJB-004	MW-10
WG-102004-DJB-005	MW-7D
WG-102004-DJB-006	MW-6
GW-061505-DJB-001	MW-12
GW-061505-DJB-002	MW-11
GW-061505-DJB-003	MW-10
GW-061505-SAG-004	MW-7D
GW-061505-SAG-005	MW-6
GW-061505-SAG-006	MW-5
GW-081005-DJB-001	BH-18
GW-081005-DJB-002	BH-19
GW-081005-DJB-003	BH-20
GW-081005-DJB-004	BH-21
GW-081105-DJB-005	BH-22
GW-081205-DJB-006	BH-23
GW-081905-SAG-007	MW-14
GW-081905-SAG-008	MW-13
GW-081905-SAG-009	MW-15
GW-081905-SAG-011	MW-16
GW-081905-SAG-012	MW-17D
GW-081905-SAG-013	MW-4

Soil Samples to Fixed Lab

Sample ID	DPT Boring	Depth
S-080905-DJB-001	MW-13	3.5 - 4.5'
S-080905-DJB-002	BH-6*	2.5 - 3.0'
S-081005-DJB-003	BH-18	4'
S-081005-DJB-004	BH-18	7'
S-081005-DJB-005	BH-19	4'
S-081005-DJB-006	BH-19	7'
S-081005-DJB-007	BH-20	4'
S-081005-DJB-008	BH-20	7'
S-081005-DJB-009	BH-21	4'
S-081005-DJB-010	BH-22	4'
S-081205-DJB-011	BH-23	1'

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 08, 2001

David Brytowski
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093
TEL: (770) 441-0027
FAX (770) 441-2050

RE: Peanut Plant Order No.: 0108101

Dear David Brytowski:

Analytical Environmental Servs, Inc. received 7 samples on 8/3/01 2:16:00 PM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.

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

Sincerely,

Jason Holloway
Project Manager

3781 PRESIDENTIAL PARKWAY, SUITE 111 • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 770-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

№ 2224

REFERENCE NUMBER: 18283-01

PROJECT NAME: Peanut Plant

SAMPLER'S SIGNATURE: David Brytowski PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS (Select VOCs)	REMARKS	
							010 8101	
	8-2-01		GW-080201 DJB-101	water		X	Standard TAL	1
			GW-080201 TAL 102			X		2
			GW 080201 DJB 103			X		3
			GW 080201 TAL 104			X	Select VOCs	4
			GW-080201 TAL 105			X	include	5
	8-2-01		GW-080201 TAL 106			X	PCE, TCE	6
			Trip Blank	water		X	cis-1,2 dichloroethene	7
							trans-1,2 dichloroethene	
							and vinyl chloride	

TOTAL NUMBER OF CONTAINERS

RELINQUISHED BY: ① David Brytowski	DATE: 8/3/01 TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM: David Brytowski, Thom Lawrence

RECEIVED FOR LABORATORY BY: M. Karanc
DATE: 8/3/01 TIME: 2:16

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Servs, Inc.

Sample Receipt Checklist

Client Name **CONESTOGA** | Date and Time Received **8/3/01 2:16:00 PM**

Work Order Number **0108101** | Received by **MHR**

Checklist completed by [signature] 8-3-01 (Signature / Date) | Reviewed by [initials] 8/3/01 (Initials / Date)

Matrix: | Carrier name Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section bel

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201 DJB-101
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 2:08:00 AM
Surr: 4-Bromofluorobenzene	92.3	73-111		%REC	1	8/8/01 2:08:00 AM
Surr: Dibromofluoromethane	98.7	86-120		%REC	1	8/8/01 2:08:00 AM
Surr: Toluene-d8	98.7	91-108		%REC	1	8/8/01 2:08:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-102
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Tetrachloroethene	8.8	5.0		µg/L	1	8/8/01 2:42:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 2:42:00 AM
Surr: 4-Bromofluorobenzene	91.5	73-111		%REC	1	8/8/01 2:42:00 AM
Surr: Dibromofluoromethane	97.0	86-120		%REC	1	8/8/01 2:42:00 AM
Surr: Toluene-d8	98.2	91-108		%REC	1	8/8/01 2:42:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201 DJB-103
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 3:15:00 AM
Surr: 4-Bromofluorobenzene	91.8	73-111		%REC	1	8/8/01 3:15:00 AM
Surr: Dibromofluoromethane	97.2	86-120		%REC	1	8/8/01 3:15:00 AM
Surr: Toluene-d8	98.9	91-108		%REC	1	8/8/01 3:15:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-104
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 3:49:00 AM
Surr: 4-Bromofluorobenzene	91.3	73-111		%REC	1	8/8/01 3:49:00 AM
Surr: Dibromofluoromethane	97.3	86-120		%REC	1	8/8/01 3:49:00 AM
Surr: Toluene-d8	97.3	91-108		%REC	1	8/8/01 3:49:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-105
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Tetrachloroethene	23	5.0		µg/L	1	8/8/01 4:22:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 4:22:00 AM
Surr: 4-Bromofluorobenzene	91.4	73-111		%REC	1	8/8/01 4:22:00 AM
Surr: Dibromofluoromethane	97.6	86-120		%REC	1	8/8/01 4:22:00 AM
Surr: Toluene-d8	99.5	91-108		%REC	1	8/8/01 4:22:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-080201TAL-106
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-006A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 4:56:00 AM
Surr: 4-Bromofluorobenzene	90.6	73-111		%REC	1	8/8/01 4:56:00 AM
Surr: Dibromofluoromethane	96.4	86-120		%REC	1	8/8/01 4:56:00 AM
Surr: Toluene-d8	98.4	91-108		%REC	1	8/8/01 4:56:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *08-Aug-01*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	0108101	**Tag Number:**	
Project:	Peanut Plant	**Collection Date:**	8/2/01
Lab ID:	0108101-007A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Trichloroethene	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Vinyl chloride	BRL	5.0		µg/L	1	8/8/01 1:34:00 AM
Surr: 4-Bromofluorobenzene	91.9	73-111		%REC	1	8/8/01 1:34:00 AM
Surr: Dibromofluoromethane	96.3	86-120		%REC	1	8/8/01 1:34:00 AM
Surr: Toluene-d8	96.1	91-108		%REC	1	8/8/01 1:34:00 AM

Qualifiers:

BRL - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

18283-01
TAL

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

July 24, 2002

Rec'd CRA
AUG 23 2002

David Brytowski
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093

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

RE: Birdsong

Order No.: 0207179

Dear David Brytowski:

Analytical Environmental Servs, Inc. received 3 samples on 7/10/02 10:40:00 AM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.
NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water effective 07/01/01-06/30/02.
AIHA Certification number 505 for analysis of Air, Paint Chips, Soil, Dust Wipes effective until 03/01/03.
These results relate only to the items tested.
This report shall not be reproduced except in full and with the permission of the laboratory.

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

Sincerely,

Jason Holloway
Project Manager

3785 PRESIDENTIAL PARKWAY • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: 18293-01

PROJECT NAME: Birdsong

SAMPLER'S SIGNATURE: David Brytowski PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	Select VOCs	Nitrate	Hold	REMARKS
	7/9/02	11:25	GW-070902 DJB- 001	water	6	X	X	X	
	7/9/02	14:00	GW-070902 DJB 002	water	6	X	X	X	Standard TAT
	7/9/02	15:10	GW-070902 DJB 003	water	2	X			
									Select VOCs = PCE, TCE, Cis-1,2 dichloroethene trans-1,2 dichloroethene vinyl chloride
									Hold = hold the remaining sample containers for possible later analysis.
TOTAL NUMBER OF CONTAINERS					14				

RELINQUISHED BY: ① David Brytowski	DATE: 7/10/02 TIME: 10:40	RECEIVED BY: ② Amel Hadzic	DATE: 7/10/02 TIME: 10:48
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3302

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: 18293-01

PROJECT NAME: Bidsong

SAMPLER'S SIGNATURE: David Brytowski PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	Select VOCs	Nitrate	Hold	REMARKS
	7/9/02	11:25	GW 070902 DJB 001	water	6	X	X	X	
	7/9/02	14:00	GW 070902 DJB 002	water	6	X	X	X	Standard TAT
	7/9/02	15:10	GW 070902 DJB 003	water	2	X			
									Select VOCs -
									PCE, TCE,
			To Jason:						cis-1,2 dichloroethene
									trans-1,2 dichloroethene
			Please add the following parameters						vinyl chloride
			to samples 001 + 002						
			Sodium, potassium, calcium, magnesium,						Hold = hold the remaining
			manganese, iron, sulfate, and chloride						sample containers for possible
									later analysis.
			David Brytowski	7/15/02					
			Still Standard TAT						
			TOTAL NUMBER OF CONTAINERS		14				

RELINQUISHED BY: ① David Brytowski	DATE: 7/10/02 TIME: 10:40	RECEIVED BY: ② Noel Hoezic	DATE: 7/10/02 TIME: 10:48
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3302

1007(FORMS) — DEC 8 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client CRA

Date and Time 7/10/02

Work Order Number 0207179

Received by A.A.

Checklist completed by Amel Hadzic (Signature) 7/10/02 (Date)

Reviewed by AA (Initials) 7/10/02 (Date)

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Chain of custody present?	Yes ✓	No __	
Chain of custody signed when relinquished and received?	Yes ✓	No __	
Chain of custody agrees with sample labels?	Yes ✓	No __	
Samples in proper container/bottle?	Yes ✓	No __	
Sample containers intact?	Yes ✓	No __	
Sufficient sample volume for indicated test?	Yes ✓	No __	
All samples received within holding time?	Yes __	No __	
Container/Temp Blank temperature in compliance?	Yes ✓	No __	

Cooler #1 Tool Box Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

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

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: 4 containers sent for sample 001 - 002.

Corrective Action

Analytical Environmental Servs, Inc.

24-Jul-02

Lab Order: 0207179
Client: Conestoga, Rovers, & Associates, Inc.
Project: Birdsong

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0207179-001A	GW-070902-DJB-001	7/9/02 11:25:00 AM	Aqueous	Volatile Organic Compounds by GC/MS		7/12/02	7/13/02
0207179-001B				Inorganic Anions by IC		7/10/02	7/10/02
				Inorganic Anions by IC		7/18/02	7/18/02
				Inorganic Anions by IC		7/18/02	7/19/02
				Inorganic Anions by IC		7/22/02	7/22/02
				Inorganic Anions by IC		7/22/02	7/22/02
				Inorganic Anions by IC		7/22/02	7/22/02
				Inorganic Anions by IC		7/22/02	7/22/02
				Sulfate		7/23/02	7/23/02
0207179-001C				TOTAL METALS BY ICP		7/16/02	7/18/02
				TOTAL METALS BY ICP		7/16/02	7/17/02
0207179-002A	GW-070902-DJB-002	7/9/02 2:00:00 PM		Volatile Organic Compounds by GC/MS		7/12/02	7/13/02
0207179-002B				Inorganic Anions by IC		7/18/02	7/18/02
				Inorganic Anions by IC		7/18/02	7/19/02
				Inorganic Anions by IC		7/10/02	7/10/02
				Sulfate		7/23/02	7/23/02
0207179-002C				TOTAL METALS BY ICP		7/16/02	7/17/02
0207179-003A	GW-070902-DJB-003	7/9/02 3:10:00 PM		Volatile Organic Compounds by GC/MS		7/12/02	7/13/02

Analytical Environmental Servs, Inc.

Date: *24-Jul-02*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Lab Order: 0207179
Project: Birdsong
Lab ID: 0207179-001

Client Sample ID: GW-070902-DJB-001
Collection Date: 7/9/02 11:25:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SSS**
Calcium	90.2	0.100		mg/L	1	7/17/02 7:37:00 PM
Iron	BRL	0.100		mg/L	1	7/17/02 7:37:00 PM
Magnesium	4.79	0.100		mg/L	1	7/17/02 7:37:00 PM
Manganese	0.071	0.005		mg/L	1	7/17/02 7:37:00 PM
Potassium	23.9	0.500		mg/L	1	7/17/02 7:37:00 PM
Sodium	5.72	1.00		mg/L	1	7/17/02 7:37:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	7/13/02 12:23:00 PM
Tetrachloroethene	8.0	5.0		µg/L	1	7/13/02 12:23:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	7/13/02 12:23:00 PM
Trichloroethene	BRL	5.0		µg/L	1	7/13/02 12:23:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	7/13/02 12:23:00 PM
Surr: 4-Bromofluorobenzene	104	71.8-143		%REC	1	7/13/02 12:23:00 PM
Surr: Dibromofluoromethane	96.3	80.3-123		%REC	1	7/13/02 12:23:00 PM
Surr: Toluene-d8	94.2	70.1-142		%REC	1	7/13/02 12:23:00 PM
INORGANIC ANIONS BY IC		**E300**				Analyst: **JCF**
Chloride	38.9	2.50		mg/L	10	7/18/02 3:42:01 PM
INORGANIC ANIONS BY IC		**E300**				Analyst: **LJO**
Nitrogen, Nitrate (As N)	BRL	0.25		mg/L	1	7/10/02 5:35:00 PM
SULFATE		**E375.4**				Analyst: **LAV**
Sulfate	16.3	1.00		mg/L	1	7/23/02 4:00:00 PM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *24-Jul-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-070902-DJB-002
Lab Order:	0207179	**Collection Date:**	7/9/02 2:00:00 PM
Project:	Birdsong		
Lab ID:	0207179-002	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SSS**
Calcium	59.0	0.100		mg/L	1	7/17/02 8:55:00 PM
Iron	BRL	0.100		mg/L	1	7/17/02 8:55:00 PM
Magnesium	0.991	0.100		mg/L	1	7/17/02 8:55:00 PM
Manganese	BRL	0.005		mg/L	1	7/17/02 8:55:00 PM
Potassium	2.67	0.500		mg/L	1	7/17/02 8:55:00 PM
Sodium	3.45	1.00		mg/L	1	7/17/02 8:55:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	7/13/02 11:53:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	7/13/02 11:53:00 AM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	7/13/02 11:53:00 AM
Trichloroethene	BRL	5.0		µg/L	1	7/13/02 11:53:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	7/13/02 11:53:00 AM
Surr: 4-Bromofluorobenzene	105	71.8-143		%REC	1	7/13/02 11:53:00 AM
Surr: Dibromofluoromethane	92.4	80.3-123		%REC	1	7/13/02 11:53:00 AM
Surr: Toluene-d8	93.7	70.1-142		%REC	1	7/13/02 11:53:00 AM
INORGANIC ANIONS BY IC		**E300**				Analyst: **JCF**
Chloride	9.91	0.25		mg/L	1	7/18/02 3:42:01 PM
INORGANIC ANIONS BY IC		**E300**				Analyst: **LJO**
Nitrogen, Nitrate (As N)	BRL	0.25		mg/L	1	7/10/02 5:50:00 PM
SULFATE		**E375.4**				Analyst: **LAV**
Sulfate	2.95	1.00		mg/L	1	7/23/02 4:00:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *24-Jul-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-070902-DJB-003
Lab Order:	0207179	**Collection Date:**	7/9/02 3:10:00 PM
Project:	Birdsong		
Lab ID:	0207179-003	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	50		µg/L	10	7/13/02 12:52:00 PM
Tetrachloroethene	BRL	50		µg/L	10	7/13/02 12:52:00 PM
trans-1,2-Dichloroethene	BRL	50		µg/L	10	7/13/02 12:52:00 PM
Trichloroethene	BRL	50		µg/L	10	7/13/02 12:52:00 PM
Vinyl chloride	BRL	20		µg/L	10	7/13/02 12:52:00 PM
Surr: 4-Bromofluorobenzene	106	71.8-143		%REC	10	7/13/02 12:52:00 PM
Surr: Dibromofluoromethane	94.0	80.3-123		%REC	10	7/13/02 12:52:00 PM
Surr: Toluene-d8	94.7	70.1-142		%REC	10	7/13/02 12:52:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Rec'd CRA

SEP 19 2002 18283-01 TAL

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

MW-10
1st time

September 12, 2002

David Brytowski
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093

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

RE: Birdsong

Order No.: 0209120

Dear David Brytowski:

Analytical Environmental Servs, Inc. received 1 sample on 9/6/02 1:48:00 PM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.
NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water effective 07/01/02-06/30/03.
AIHA Certification number 505 for analysis of Air, Paint Chips, Soil, Dust Wipes effective until 03/01/03.
These results relate only to the items tested.
This report shall not be reproduced except in full and with the permission of the laboratory.

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

Sincerely,

Jason Holloway
Project Manager

3785 PRESIDENTIAL PARKWAY • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

COPY

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong Peanut

SAMPLER'S SIGNATURE: David Brytowski PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: VOCs	REMARKS
	9/4/02	20:05	GW-090402	water	2	X	Standard TAT
							Select VOCs only ↓ PCE, TCE, Cis 1,2 dichloroethene trans-1,2 dichloroethene and vinyl chloride
TOTAL NUMBER OF CONTAINERS							

RELINQUISHED BY: ① David Brytowski	DATE: 9/6/02 TIME: 13:48	RECEIVED BY: ② Ronel Aapsic	DATE: 9/6/02 TIME: 1:47
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3326

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client CRA

Date and Time 9/6/02 13:07

Work Order Number 0209120

Received by AH

Checklist completed by A-Grad (Signature) 9/6/02 (Date)

Reviewed by JH (Initials) 9/6/02 (Date)

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Chain of custody present?	Yes ✓	No __	
Chain of custody signed when relinquished and received?	Yes ✓	No __	
Chain of custody agrees with sample labels?	Yes ✓	No __	
Samples in proper container/bottle?	Yes ✓	No __	
Sample containers intact?	Yes ✓	No __	
Sufficient sample volume for indicated test?	Yes ✓	No __	
All samples received within holding time?	Yes ✓	No __	
Was TAT marked on the COC?	Yes ✓	No __	
Proceed with Standard TAT as per project history?	Yes __	No __	Not Applicable ✓
Container/Temp Blank temperature in compliance?	Yes ✓	No __	

Cooler #1 4°C wet ice Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

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

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action

Analytical Environmental Servs, Inc.

Date: *12-Sep-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-090402
Lab Order:	0209120	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	9/4/02 8:05:00 PM
Lab ID:	0209120-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **AD**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	9/7/02 9:27:00 PM
Tetrachloroethene	130	50		µg/L	10	9/9/02 2:27:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	9/7/02 9:27:00 PM
Trichloroethene	BRL	5.0		µg/L	1	9/7/02 9:27:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	9/7/02 9:27:00 PM
Surr: 4-Bromofluorobenzene	101	71.8-143		%REC	10	9/9/02 2:27:00 PM
Surr: 4-Bromofluorobenzene	102	71.8-143		%REC	1	9/7/02 9:27:00 PM
Surr: Dibromofluoromethane	98.2	80.3-123		%REC	10	9/9/02 2:27:00 PM
Surr: Dibromofluoromethane	95.8	80.3-123		%REC	1	9/7/02 9:27:00 PM
Surr: Toluene-d8	96.8	70.1-142		%REC	10	9/9/02 2:27:00 PM
Surr: Toluene-d8	97.2	70.1-142		%REC	1	9/7/02 9:27:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

18283-01
TLL

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

November 06, 2002

Rec'd CRA

NOV 12 2002

Thomas Lawrence
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093

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

RE: Birdsong

Order No.: 0210828

Dear Thomas Lawrence:

Analytical Environmental Servs, Inc. received 5 samples on 10/31/02 1:05:00 PM for the analyses presented in the following report.

No problems were encountered during analyses. Additionally, all results for the associated quality control samples were within EPA and/or AES established limits except where noted in the project Case Narrative.
NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water effective 07/01/02-06/30/03.
AIHA Certification number 505 for analysis of Air, Paint Chips, Soil, Dust Wipes effective until 03/01/03.
These results relate only to the items tested.
This report shall not be reproduced except in full and with the permission of the laboratory.

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

Sincerely,

Jason Holloway
Project Manager

3785 PRESIDENTIAL PARKWAY • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

121-28

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong

SAMPLER'S SIGNATURE: David Brytowski PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: Select VOCs	REMARKS
	10-29-02		GW-102902 DJB- 001	water	2	X	Standard TAT
			002		2	X	
			003		2	X	Select VOCs =
			004		2	X	PCE, TCE,
	10-29-02		GW-102902 DJB 005		2	X	cis-1,2-dichloroethene,
							trans-1,2 dichloroethene
							and vinyl chloride
			TOTAL NUMBER OF CONTAINERS		10		

RELINQUISHED BY: ① David Brytowski	DATE: 10/31/02 TIME: 13:02	RECEIVED BY: ② Amel Hadzic 10/31/02 1:05	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3437

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client CRA

Date and Time 10/31/02 1:25

Work Order Number 0210828

Received by Amel Hadzic

Checklist completed by Amel Hadzic (Signature) 10/31/02 (Date)

Reviewed by [illegible] (Initials) 10/31/02 (Date)

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

	Yes	No	Not Present
Shipping container/cooler in good condition?	✓	__	__
Custody seals intact on shipping container/cooler?	__	__	✓
Custody seals intact on sample bottles?	__	__	✓
Chain of custody present?	✓	__	
Chain of custody signed when relinquished and received?	✓	__	
Chain of custody agrees with sample labels?	✓	__	
Samples in proper container/bottle?	✓	__	
Sample containers intact?	✓	__	
Sufficient sample volume for indicated test?	✓	__	
All samples received within holding time?	✓	__	
Was TAT marked on the COC?	✓	__	
Proceed with Standard TAT as per project history?	__	__	✓
Container/Temp Blank temperature in compliance?	✓	__	

Cooler #1 4.1 °C Cooler #2 ~~_____~~ IGF Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

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

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action

Analytical Environmental Servs, Inc.

Date: *06-Nov-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-102902-DJB-001
Lab Order:	0210828	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	10/29/02
Lab ID:	0210828-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	50		µg/L	10	11/1/02 7:06:00 PM
Tetrachloroethene	BRL	50		µg/L	10	11/1/02 7:06:00 PM
trans-1,2-Dichloroethene	BRL	50		µg/L	10	11/1/02 7:06:00 PM
Trichloroethene	BRL	50		µg/L	10	11/1/02 7:06:00 PM
Vinyl chloride	BRL	20		µg/L	10	11/1/02 7:06:00 PM
Surr: 4-Bromofluorobenzene	93.1	71.8-143		%REC	10	11/1/02 7:06:00 PM
Surr: Dibromofluoromethane	90.6	80.3-123		%REC	10	11/1/02 7:06:00 PM
Surr: Toluene-d8	90.7	70.1-142		%REC	10	11/1/02 7:06:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *06-Nov-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-102902-DJB-002
Lab Order:	0210828	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	10/29/02
Lab ID:	0210828-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/1/02 5:01:00 PM
Tetrachloroethene	9.1	5.0		µg/L	1	11/1/02 5:01:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/1/02 5:01:00 PM
Trichloroethene	BRL	5.0		µg/L	1	11/1/02 5:01:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	11/1/02 5:01:00 PM
Surr: 4-Bromofluorobenzene	95.0	71.8-143		%REC	1	11/1/02 5:01:00 PM
Surr: Dibromofluoromethane	87.4	80.3-123		%REC	1	11/1/02 5:01:00 PM
Surr: Toluene-d8	90.7	70.1-142		%REC	1	11/1/02 5:01:00 PM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *06-Nov-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-102902-DJB-003
Lab Order:	0210828	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	10/29/02
Lab ID:	0210828-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/1/02 5:32:00 PM
Tetrachloroethene	6.1	5.0		µg/L	1	11/1/02 5:32:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/1/02 5:32:00 PM
Trichloroethene	BRL	5.0		µg/L	1	11/1/02 5:32:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	11/1/02 5:32:00 PM
Surr: 4-Bromofluorobenzene	94.8	71.8-143		%REC	1	11/1/02 5:32:00 PM
Surr: Dibromofluoromethane	89.1	80.3-123		%REC	1	11/1/02 5:32:00 PM
Surr: Toluene-d8	90.9	70.1-142		%REC	1	11/1/02 5:32:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *06-Nov-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-102902-DJB-004
Lab Order:	0210828	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	10/29/02
Lab ID:	0210828-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	50		µg/L	10	11/1/02 6:03:00 PM
Tetrachloroethene	BRL	50		µg/L	10	11/1/02 6:03:00 PM
trans-1,2-Dichloroethene	BRL	50		µg/L	10	11/1/02 6:03:00 PM
Trichloroethene	BRL	50		µg/L	10	11/1/02 6:03:00 PM
Vinyl chloride	BRL	20		µg/L	10	11/1/02 6:03:00 PM
Surr: 4-Bromofluorobenzene	95.5	71.8-143		%REC	10	11/1/02 6:03:00 PM
Surr: Dibromofluoromethane	89.8	80.3-123		%REC	10	11/1/02 6:03:00 PM
Surr: Toluene-d8	91.1	70.1-142		%REC	10	11/1/02 6:03:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Servs, Inc.

Date: *06-Nov-02*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-102902-DJB-005
Lab Order:	0210828	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	10/29/02
Lab ID:	0210828-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **JTC**
cis-1,2-Dichloroethene	BRL	50		µg/L	10	11/1/02 6:35:00 PM
Tetrachloroethene	BRL	50		µg/L	10	11/1/02 6:35:00 PM
trans-1,2-Dichloroethene	BRL	50		µg/L	10	11/1/02 6:35:00 PM
Trichloroethene	BRL	50		µg/L	10	11/1/02 6:35:00 PM
Vinyl chloride	BRL	20		µg/L	10	11/1/02 6:35:00 PM
Surr: 4-Bromofluorobenzene	94.3	71.8-143		%REC	10	11/1/02 6:35:00 PM
Surr: Dibromofluoromethane	91.1	80.3-123		%REC	10	11/1/02 6:35:00 PM
Surr: Toluene-d8	90.6	70.1-142		%REC	10	11/1/02 6:35:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

18283-01
TM

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

February 19, 2003

RECEIVED
FEB 25 2003
CRA - ATLANTA

David Brytowski
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093

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

RE: Birdsong

Order No.: 0302333

Dear David Brytowski:

Analytical Environmental Servs, Inc. received 5 samples on 2/13/2003 10:15:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 07/01/02-06/30/03.
-AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 03/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 11 total pages (including cover letter).

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

Sincerely,

Jason Holloway
Project Manager

3785 PRESIDENTIAL PARKWAY • ATLANTA, GEORGIA 30340 • TEL: (770) 457-8177 • FAX: (770) 457-8188

5307332

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong Peanut

SAMPLER'S SIGNATURE: David Brytanka PRINTED NAME:

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: Select VOC	REMARKS
	2/11/03	15:25	GW-021103 DJB 001	water	3	X	Select VOC =
	↓	12:45	002	↓	3	X	PCE, TCE
	↓	14:00	003	↓	3	X	cis-1,2 dichloroethene
	↓	14:30	004	↓	3	X	trans-1,2 dichloroethene
	2/11/03	14:55	GW-021103 DJB 005	water	3	X	and vinyl chloride
							Standard TAT
			TOTAL NUMBER OF CONTAINERS		15		

RELINQUISHED BY: ① David Brytanka	DATE: 2/13/03 TIME: 10:25	RECEIVED BY: ② Hazel Hamric	DATE: 2/13/03 TIME: 10:25
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3309

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample Receipt Checklist

Client CRA

Date and Time 2/13/03 | 10:15

Work Order Number 0302333

Received by ANNEL HADZIC

Checklist completed by Andrea Hadzic 2/13/03
Signature Date

Reviewed by AOG 2/13/03
Initials Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Chain of custody present?	Yes ✓	No __	
Chain of custody signed when relinquished and received?	Yes ✓	No __	
Chain of custody agrees with sample labels?	Yes ✓	No __	
Samples in proper container/bottle?	Yes ✓	No __	
Sample containers intact?	Yes ✓	No __	
Sufficient sample volume for indicated test?	Yes ✓	No __	
All samples received within holding time?	Yes ✓	No __	
Was TAT marked on the COC?	Yes ✓	No __	
Proceed with Standard TAT as per project history?	Yes __	No __	Not Applicable ✓
Container/Temp Blank temperature in compliance?	Yes ✓	No __	

Cooler #1 4°on ice Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

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

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action

Analytical Environmental Servs. Inc. **Date:** *19-Feb-03*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Project: Birdsong
Lab Order: 0302333

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 4th Edition. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives unless indicated in the case narrative.

Volatile Organic Compounds Analysis by Method 8260B:

Matrix spike recovery for 1,1-Dichloroethene, Toluene, and Trichloroethene on sample ClientSampID GW-021103DJB-001 [AES #0302333-001A] was outside control limits biased low. LCS recovery was within control limits indicating possible matrix interference.

Analytical Environmental Servs, Inc.

Date: *19-Feb-03*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0302333
Project: Birdsong

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260B_W

Sample ID **MB-31121** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **2/13/2003** RunNo: **35321**
Client ID: Batch ID: **31121** TestNo: **SW8260B** Analysis Date: **2/14/2003** SeqNo: **603042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	5.0									
Surr: 4-Bromofluorobenzene	45.43	5.0	50	0	90.9	71.8	143	0	0		
Surr: Dibromofluoromethane	46	5.0	50	0	92	80.3	123	0	0		
Surr: Toluene-d8	47.2	5.0	50	0	94.4	70.1	142	0	0		

Sample ID **LCS-31121** SampType: **LCS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **2/13/2003** RunNo: **35321**
Client ID: Batch ID: **31121** TestNo: **SW8260B** Analysis Date: **2/14/2003** SeqNo: **603043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	56.21	5.0	50	0	112	70	125	0	0		
Surr: 4-Bromofluorobenzene	43.87	5.0	50	0	87.7	71.8	143	0	0		
Surr: Dibromofluoromethane	45.12	5.0	50	0	90.2	80.3	123	0	0		
Surr: Toluene-d8	47.24	5.0	50	0	94.5	70.1	142	0	0		

Sample ID **0302333-002AMS** SampType: **MS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **2/13/2003** RunNo: **35321**
Client ID: **GW-021103DJB-002** Batch ID: **31121** TestNo: **SW8260B** Analysis Date: **2/14/2003** SeqNo: **603049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	25.22	5.0	50	0	50.4	66	128	0	0		S
Surr: 4-Bromofluorobenzene	44.34	5.0	50	0	88.7	71.8	143	0	0		
Surr: Dibromofluoromethane	43.2	5.0	50	0	86.4	80.3	123	0	0		
Surr: Toluene-d8	46.38	5.0	50	0	92.8	70.1	142	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0302333
Project: Birdsong

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260B_W

Sample ID **0302333-002AMSD** SampType: **MSD** TestCode: **8260B_W** Units: **µg/L** Prep Date: **2/13/2003** RunNo: **35321**
Client ID: **GW-021103DJB-002** Batch ID: **31121** TestNo: **SW8260B** Analysis Date: **2/14/2003** SeqNo: **603050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	24.08	5.0	50	0	48.2	66	128	25.22	4.62	30	S
Surr: 4-Bromofluorobenzene	44.71	5.0	50	0	89.4	71.8	143	44.34	0	0	
Surr: Dibromofluoromethane	43.28	5.0	50	0	86.6	80.3	123	43.2	0	0	
Surr: Toluene-d8	45.69	5.0	50	0	91.4	70.1	142	46.38	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Analytical Environmental Servs, Inc.

Date: *19-Feb-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-021103DJB-001
Lab Order:	0302333	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	2/11/2003 3:25:00 PM
Lab ID:	0302333-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 3:00:00 PM
Tetrachloroethene	BRL	5.0		µg/L	1	2/14/2003 3:00:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 3:00:00 PM
Trichloroethene	BRL	5.0		µg/L	1	2/14/2003 3:00:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	2/14/2003 3:00:00 PM
Surr: 4-Bromofluorobenzene	92.6	71.8-143		%REC	1	2/14/2003 3:00:00 PM
Surr: Dibromofluoromethane	91.3	80.3-123		%REC	1	2/14/2003 3:00:00 PM
Surr: Toluene-d8	93.9	70.1-142		%REC	1	2/14/2003 3:00:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *19-Feb-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-021103DJB-002
Lab Order:	0302333	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	2/11/2003 12:45:00 PM
Lab ID:	0302333-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 3:28:00 PM
Tetrachloroethene	120	5.0		µg/L	1	2/14/2003 3:28:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 3:28:00 PM
Trichloroethene	BRL	5.0		µg/L	1	2/14/2003 3:28:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	2/14/2003 3:28:00 PM
Surr: 4-Bromofluorobenzene	92.2	71.8-143		%REC	1	2/14/2003 3:28:00 PM
Surr: Dibromofluoromethane	91.4	80.3-123		%REC	1	2/14/2003 3:28:00 PM
Surr: Toluene-d8	93.7	70.1-142		%REC	1	2/14/2003 3:28:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *19-Feb-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-021103DJB-003
Lab Order:	0302333	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	2/11/2003 2:00:00 PM
Lab ID:	0302333-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 4:53:00 PM
Tetrachloroethene	BRL	5.0		µg/L	1	2/14/2003 4:53:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 4:53:00 PM
Trichloroethene	BRL	5.0		µg/L	1	2/14/2003 4:53:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	2/14/2003 4:53:00 PM
Surr: 4-Bromofluorobenzene	92.0	71.8-143		%REC	1	2/14/2003 4:53:00 PM
Surr: Dibromofluoromethane	89.3	80.3-123		%REC	1	2/14/2003 4:53:00 PM
Surr: Toluene-d8	92.0	70.1-142		%REC	1	2/14/2003 4:53:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *19-Feb-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-021103DJB-004
Lab Order:	0302333	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	2/11/2003 2:30:00 PM
Lab ID:	0302333-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 5:21:00 PM
Tetrachloroethene	BRL	5.0		µg/L	1	2/14/2003 5:21:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/14/2003 5:21:00 PM
Trichloroethene	BRL	5.0		µg/L	1	2/14/2003 5:21:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	2/14/2003 5:21:00 PM
Surr: 4-Bromofluorobenzene	88.5	71.8-143		%REC	1	2/14/2003 5:21:00 PM
Surr: Dibromofluoromethane	90.7	80.3-123		%REC	1	2/14/2003 5:21:00 PM
Surr: Toluene-d8	92.7	70.1-142		%REC	1	2/14/2003 5:21:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *19-Feb-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-021103DJB-005
Lab Order:	0302333	**Tag Number:**	
Project:	Birdsong	**Collection Date:**	2/11/2003 2:55:00 PM
Lab ID:	0302333-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		**SW8260B**				Analyst: **NWH**
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/17/2003 5:21:00 PM
Tetrachloroethene	8.9	5.0		µg/L	1	2/17/2003 5:21:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	1	2/17/2003 5:21:00 PM
Trichloroethene	BRL	5.0		µg/L	1	2/17/2003 5:21:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	2/17/2003 5:21:00 PM
Surr: 4-Bromofluorobenzene	99.6	71.8-143		%REC	1	2/17/2003 5:21:00 PM
Surr: Dibromofluoromethane	95.8	80.3-123		%REC	1	2/17/2003 5:21:00 PM
Surr: Toluene-d8	93.4	70.1-142		%REC	1	2/17/2003 5:21:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

18283-101
TBL

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

October 06, 2003

RECEIVED
OCT 1 0 2003
CRA - ATLANTA

David Brytowski
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093

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

RE: Birdsong Peanut

Order No.: 0310024

Dear David Brytowski:

Analytical Environmental Servs, Inc. received 6 samples on 10/1/2003 11:15:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 07/02/03-06/30/04.
-AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 10/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 11 total pages (including cover letter).

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

Sincerely,

Jason Holloway
Project Manager

002

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong Peanut

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: Select VOCs								REMARKS
	9/30/03	15:45	GW-093003DJB-001	water	2			X						select VOCs =
		16:00	002		2			X						PCE, TCE
		17:20	003		2			X						cis-1,2 dichloroethene
		18:20	004		2			X						trans 1-2 dichloroethene
	9/30/03	18:55	GW-093003DJB 006	water	2			X						and vinyl chloride
														Do not run
														trip blank
														Standard TAT
TOTAL NUMBER OF CONTAINERS					10									

RELINQUISHED BY: ① [signature]	DATE: 10/1/03 TIME: 11:15	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT:

AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY: Amel [signature]
DATE: 10/01/03 TIME: 11:15

3810

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client CRA Work Order Number 0310024

Checklist completed by Vital Vitalsky 10/01/03
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance?	Yes ✓	No __	

Cooler #1 4.0°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __	
Chain of custody signed when relinquished and received?	Yes ✓	No __	
Chain of custody agrees with sample labels?	Yes ✓	No __	
Samples in proper container/bottle?	Yes ✓	No __	
Sample containers intact?	Yes ✓	No __	
Sufficient sample volume for indicated test?	Yes ✓	No __	
All samples received within holding time?	Yes ✓	No __	
Was TAT marked on the COC?	Yes ✓	No __	
Proceed with Standard TAT as per project history?	Yes __	No __	Not Applicable ✓
Water - VOA vials have zero headspace? No VOA vials submitted __	Yes ✓	No __	
Water - pH acceptable upon receipt?	Yes ✓	No __	Not Applicable __

Adjusted? _____ Checked by _____

See Case Narrative for resolution of the Non-Conformance.

Analytical Environmental Servs, Inc. **Date:** *06-Oct-03*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Project: Birdsong Peanut
Lab Order: 0310024

CASE NARRATIVE

Sample/Cooler Receipt Non-Conformance:

A Trip Blank was provided but is not listed on the COC. Per client and project history, this sample will be placed on hold until notified by the client that it's analysis is required.

Analyte change request:

Per client request on 10/1/03, report 1,1-Dichloroethane instead of trans-1,2-Dichloroethene.

Analytical Environmental Servs, Inc.

Date: *06-Oct-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-093003DJB-001
Lab Order:	0310024	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	9/30/2003 3:45:00 PM
Lab ID:	0310024-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	10/2/2003 12:29:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	10/2/2003 12:29:00 PM
Tetrachloroethene	430	50		µg/L	10	10/3/2003 5:11:00 PM
Trichloroethene	BRL	5.0		µg/L	1	10/2/2003 12:29:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	10/2/2003 12:29:00 PM
Surr: 4-Bromofluorobenzene	89.6	71.8-143		%REC	1	10/2/2003 12:29:00 PM
Surr: 4-Bromofluorobenzene	86.7	71.8-143		%REC	10	10/3/2003 5:11:00 PM
Surr: Dibromofluoromethane	105	80.3-123		%REC	1	10/2/2003 12:29:00 PM
Surr: Dibromofluoromethane	106	80.3-123		%REC	10	10/3/2003 5:11:00 PM
Surr: Toluene-d8	95.6	70.1-142		%REC	1	10/2/2003 12:29:00 PM
Surr: Toluene-d8	90.7	70.1-142		%REC	10	10/3/2003 5:11:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *06-Oct-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-093003DJB-002
Lab Order:	0310024	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	9/30/2003 4:00:00 PM
Lab ID:	0310024-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	10/2/2003 1:01:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	10/2/2003 1:01:00 PM
Tetrachloroethene	8.0	5.0		µg/L	1	10/2/2003 1:01:00 PM
Trichloroethene	BRL	5.0		µg/L	1	10/2/2003 1:01:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	10/2/2003 1:01:00 PM
Surr: 4-Bromofluorobenzene	86.7	71.8-143		%REC	1	10/2/2003 1:01:00 PM
Surr: Dibromofluoromethane	106	80.3-123		%REC	1	10/2/2003 1:01:00 PM
Surr: Toluene-d8	92.8	70.1-142		%REC	1	10/2/2003 1:01:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *06-Oct-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-093003DJB-003
Lab Order:	0310024	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	9/30/2003 5:20:00 PM
Lab ID:	0310024-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	10/2/2003 1:33:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	10/2/2003 1:33:00 PM
Tetrachloroethene	BRL	5.0		µg/L	1	10/2/2003 1:33:00 PM
Trichloroethene	BRL	5.0		µg/L	1	10/2/2003 1:33:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	10/2/2003 1:33:00 PM
Surr: 4-Bromofluorobenzene	88.6	71.8-143		%REC	1	10/2/2003 1:33:00 PM
Surr: Dibromofluoromethane	103	80.3-123		%REC	1	10/2/2003 1:33:00 PM
Surr: Toluene-d8	90.3	70.1-142		%REC	1	10/2/2003 1:33:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *06-Oct-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-093003DJB-004
Lab Order:	0310024	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	9/30/2003 6:20:00 PM
Lab ID:	0310024-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	10/2/2003 2:05:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	10/2/2003 2:05:00 PM
Tetrachloroethene	BRL	5.0		µg/L	1	10/2/2003 2:05:00 PM
Trichloroethene	BRL	5.0		µg/L	1	10/2/2003 2:05:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	10/2/2003 2:05:00 PM
Surr: 4-Bromofluorobenzene	89.8	71.8-143		%REC	1	10/2/2003 2:05:00 PM
Surr: Dibromofluoromethane	105	80.3-123		%REC	1	10/2/2003 2:05:00 PM
Surr: Toluene-d8	91.9	70.1-142		%REC	1	10/2/2003 2:05:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *06-Oct-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-093003DJB-006
Lab Order:	0310024	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	9/30/2003 6:55:00 PM
Lab ID:	0310024-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	10/2/2003 2:40:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	10/2/2003 2:40:00 PM
Tetrachloroethene	20	5.0		µg/L	1	10/2/2003 2:40:00 PM
Trichloroethene	BRL	5.0		µg/L	1	10/2/2003 2:40:00 PM
Vinyl chloride	BRL	2.0		µg/L	1	10/2/2003 2:40:00 PM
Surr: 4-Bromofluorobenzene	88.9	71.8-143		%REC	1	10/2/2003 2:40:00 PM
Surr: Dibromofluoromethane	103	80.3-123		%REC	1	10/2/2003 2:40:00 PM
Surr: Toluene-d8	90.9	70.1-142		%REC	1	10/2/2003 2:40:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *06-Oct-03*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0310024
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

BatchID: 38536

Sample ID **0309914-001AMS** SampType: **MS** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **9/30/2003** RunNo: **43321**
Client ID: Batch ID: **38536** TestNo: **SW8260B** Analysis Date: **10/1/2003** SeqNo: **792907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	49.56	5.0	50	0	99.1	66	128	0	0		
Surr: 4-Bromofluorobenzene	54.46	0	50	0	109	71.8	143	0	0		
Surr: Dibromofluoromethane	61.24	0	50	0	122	80.3	123	0	0		
Surr: Toluene-d8	55.05	0	50	0	110	70.1	142	0	0		

Sample ID **0309914-001AMSD** SampType: **MSD** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **9/30/2003** RunNo: **43321**
Client ID: Batch ID: **38536** TestNo: **SW8260B** Analysis Date: **10/1/2003** SeqNo: **792908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	46.11	5.0	50	0	92.2	66	128	49.56	7.21	30	
Surr: 4-Bromofluorobenzene	56.54	0	50	0	113	71.8	143	54.46	0	0	
Surr: Dibromofluoromethane	53.27	0	50	0	107	80.3	123	61.24	0	0	
Surr: Toluene-d8	56.17	0	50	0	112	70.1	142	55.05	0	0	

Sample ID **MB-38536** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **9/30/2003** RunNo: **43270**
Client ID: Batch ID: **38536** TestNo: **SW8260B** Analysis Date: **9/30/2003** SeqNo: **792132**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0									
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	5.0									
Surr: 4-Bromofluorobenzene	32.55	5.0	30	0	108	71.8	143	0	0		
Surr: Dibromofluoromethane	31.85	5.0	30	0	106	80.3	123	0	0		
Surr: Toluene-d8	33.54	5.0	30	0	112	70.1	142	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0310024
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

BatchID: 38536

Sample ID **MB-38536**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **9/30/2003**	RunNo: **43321**
Client ID:	Batch ID: **38536**	TestNo: **SW8260B**		Analysis Date: **10/1/2003**	SeqNo: **792901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0									
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	5.0									
Surr: 4-Bromofluorobenzene	55.99	5.0	50	0	112	71.8	143	0	0		
Surr: Dibromofluoromethane	60.7	5.0	50	0	121	80.3	123	0	0		
Surr: Toluene-d8	54.35	5.0	50	0	109	70.1	142	0	0		

Sample ID **LCS-38536**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **9/30/2003**	RunNo: **43270**
Client ID:	Batch ID: **38536**	TestNo: **SW8260B**		Analysis Date: **9/30/2003**	SeqNo: **794933**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	23.32	5.0	25	0	93.3	70	125	0	0		
Surr: 4-Bromofluorobenzene	36.42	5.0	30	0	121	71.8	143	0	0		
Surr: Dibromofluoromethane	35.14	5.0	30	0	117	80.3	123	0	0		
Surr: Toluene-d8	35.12	5.0	30	0	117	70.1	142	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

November 13, 2003

Thomas Lawrence
Conestoga, Rovers, & Associates, Inc.
1351 Oakbrook Drive
Suite 150
Norcross, GA 30093

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

RECEIVED
NOV 1 0 2003
CRA - ATLANTA

RE: Birdsong Peanut

Order No.: 0311263

Dear Thomas Lawrence:

Analytical Environmental Servs, Inc. received 7 samples on 11/10/2003 10:00:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 07/02/03-06/30/04.
-AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 10/01/03.

These results relate only to the items tested. This report may only be reproduced in full and contains 14 total pages (including cover letter).

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

Sincerely,

Jason Holloway
Project Manager Supervisor

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AFS

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong Peanut

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Thom Lawrence

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: Chlorinated VOCs									REMARKS
	11-7-03		GW-110703-TL-001	grab	2	X									Standard TAT
			GW-110703-TL-002		2	X									
			GW-110703-TL-003		2	X									
			GW-110703-TL-004		2	X									Chlorinated VOCs
			GW-110703-TL-005		2	X									PCE
			GW-110703-TL-006		2	X									TCE
															1,1-DCE
															cis-1,2-DCE
															vinyl chloride

TOTAL NUMBER OF CONTAINERS 12

RELINQUISHED BY: ① [signature]	DATE: 11-10-03 TIME: 930	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM: Thom Lawrence

RECEIVED FOR LABORATORY BY: [signature]
DATE: 11/10/03 TIME: 10:00

3591

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client C R A Work Order Number 0311263

Checklist completed by Nyen Osbar 11/10/03
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

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

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

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? Yes ✓ No __

Cooler #1 3.9°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

See Case Narrative for resolution of the Non-Conformance.

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Project: Birdsong Peanut
Lab Order: 0311263

CASE NARRATIVE

Sample Receipt Non-Conformance:

A Trip Blank was provided but is not listed on the COC. Per client and project history, this sample will be placed on hold until notified by the client that it's analysis is required.

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-110703-TL-001
Lab Order:	0311263	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	11/7/2003
Lab ID:	0311263-001A	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	11/11/2003 4:29:00 AM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/11/2003 4:29:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	11/11/2003 4:29:00 AM
Trichloroethene	BRL	5.0		µg/L	1	11/11/2003 4:29:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	11/11/2003 4:29:00 AM
Surr: 4-Bromofluorobenzene	103	71.8-143		%REC	1	11/11/2003 4:29:00 AM
Surr: Dibromofluoromethane	101	80.3-123		%REC	1	11/11/2003 4:29:00 AM
Surr: Toluene-d8	95.9	70.1-142		%REC	1	11/11/2003 4:29:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-110703-TL-002
Lab Order:	0311263	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	11/7/2003
Lab ID:	0311263-002A	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	11/11/2003 5:33:00 AM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/11/2003 5:33:00 AM
Tetrachloroethene	29	5.0		µg/L	1	11/11/2003 5:33:00 AM
Trichloroethene	BRL	5.0		µg/L	1	11/11/2003 5:33:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	11/11/2003 5:33:00 AM
Surr: 4-Bromofluorobenzene	101	71.8-143		%REC	1	11/11/2003 5:33:00 AM
Surr: Dibromofluoromethane	101	80.3-123		%REC	1	11/11/2003 5:33:00 AM
Surr: Toluene-d8	97.0	70.1-142		%REC	1	11/11/2003 5:33:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-110703-TL-003
Lab Order:	0311263	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	11/7/2003
Lab ID:	0311263-003A	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	11/11/2003 6:05:00 AM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/11/2003 6:05:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	11/11/2003 6:05:00 AM
Trichloroethene	BRL	5.0		µg/L	1	11/11/2003 6:05:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	11/11/2003 6:05:00 AM
Surr: 4-Bromofluorobenzene	103	71.8-143		%REC	1	11/11/2003 6:05:00 AM
Surr: Dibromofluoromethane	100	80.3-123		%REC	1	11/11/2003 6:05:00 AM
Surr: Toluene-d8	92.4	70.1-142		%REC	1	11/11/2003 6:05:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-110703-TL-004
Lab Order:	0311263	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	11/7/2003
Lab ID:	0311263-004A	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	11/11/2003 3:26:00 AM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/11/2003 3:26:00 AM
Tetrachloroethene	180	5.0		µg/L	1	11/11/2003 3:26:00 AM
Trichloroethene	BRL	5.0		µg/L	1	11/11/2003 3:26:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	11/11/2003 3:26:00 AM
Surr: 4-Bromofluorobenzene	102	71.8-143		%REC	1	11/11/2003 3:26:00 AM
Surr: Dibromofluoromethane	98.7	80.3-123		%REC	1	11/11/2003 3:26:00 AM
Surr: Toluene-d8	95.9	70.1-142		%REC	1	11/11/2003 3:26:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-110703-TL-005
Lab Order:	0311263	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	11/7/2003
Lab ID:	0311263-005A	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	11/11/2003 5:01:00 AM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/11/2003 5:01:00 AM
Tetrachloroethene	5.5	5.0		µg/L	1	11/11/2003 5:01:00 AM
Trichloroethene	BRL	5.0		µg/L	1	11/11/2003 5:01:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	11/11/2003 5:01:00 AM
Surr: 4-Bromofluorobenzene	101	71.8-143		%REC	1	11/11/2003 5:01:00 AM
Surr: Dibromofluoromethane	103	80.3-123		%REC	1	11/11/2003 5:01:00 AM
Surr: Toluene-d8	96.8	70.1-142		%REC	1	11/11/2003 5:01:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-110703-TL-006
Lab Order:	0311263	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	11/7/2003
Lab ID:	0311263-006A	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AD**
1,1-Dichloroethane	BRL	5.0		µg/L	1	11/11/2003 3:58:00 AM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	1	11/11/2003 3:58:00 AM
Tetrachloroethene	BRL	5.0		µg/L	1	11/11/2003 3:58:00 AM
Trichloroethene	BRL	5.0		µg/L	1	11/11/2003 3:58:00 AM
Vinyl chloride	BRL	2.0		µg/L	1	11/11/2003 3:58:00 AM
Surr: 4-Bromofluorobenzene	102	71.8-143		%REC	1	11/11/2003 3:58:00 AM
Surr: Dibromofluoromethane	101	80.3-123		%REC	1	11/11/2003 3:58:00 AM
Surr: Toluene-d8	95.1	70.1-142		%REC	1	11/11/2003 3:58:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Servs, Inc.

Date: *13-Nov-03*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0311263
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

BatchID: 39764

Sample ID **MB-39764** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44681**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/8/2003** SeqNo: **823292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0									
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	5.0									
Surr: 4-Bromofluorobenzene	48.3	5.0	50	0	96.6	71.8	143	0	0		
Surr: Dibromofluoromethane	47.38	5.0	50	0	94.8	80.3	123	0	0		
Surr: Toluene-d8	46.25	5.0	50	0	92.5	70.1	142	0	0		

Sample ID **MB-39764** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44696**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/10/2003** SeqNo: **823518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0									
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	5.0									
Surr: 4-Bromofluorobenzene	53.49	5.0	50	0	107	71.8	143	0	0		
Surr: Dibromofluoromethane	47.74	5.0	50	0	95.5	80.3	123	0	0		
Surr: Toluene-d8	48.85	5.0	50	0	97.7	70.1	142	0	0		

Sample ID **LCS-39764** SampType: **LCS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44681**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/8/2003** SeqNo: **823293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	48.35	5.0	50	0	96.7	70	125	0	0		
Surr: 4-Bromofluorobenzene	49.82	5.0	50	0	99.6	71.8	143	0	0		
Surr: Dibromofluoromethane	47.39	5.0	50	0	94.8	80.3	123	0	0		

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- E Value above quantitation range
- N Analyte not NELAC certified

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0311263
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

BatchID: 39764

Sample ID **LCS-39764** SampType: **LCS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44681**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/8/2003** SeqNo: **823293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	46.65	5.0	50	0	93.3	70.1	142	0	0		

Sample ID **LCS-39764** SampType: **LCS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44696**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/10/2003** SeqNo: **823519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	52.37	5.0	50	0	105	70	125	0	0		
Surr: 4-Bromofluorobenzene	54.46	5.0	50	0	109	71.8	143	0	0		
Surr: Dibromofluoromethane	44.94	5.0	50	0	89.9	80.3	123	0	0		
Surr: Toluene-d8	47.81	5.0	50	0	95.6	70.1	142	0	0		

Sample ID **0311226-001AMS** SampType: **MS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44681**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/8/2003** SeqNo: **823302**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	50.29	5.0	50	0	101	66	128	0	0		
Surr: 4-Bromofluorobenzene	50.27	5.0	50	0	101	71.8	143	0	0		
Surr: Dibromofluoromethane	46.88	5.0	50	0	93.8	80.3	123	0	0		
Surr: Toluene-d8	45.98	5.0	50	0	92	70.1	142	0	0		

Sample ID **0311226-001AMSD** SampType: **MSD** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44681**
Client ID: Batch ID: **39764** TestNo: **SW8260B** Analysis Date: **11/8/2003** SeqNo: **823303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	49.66	5.0	50	0	99.3	66	128	50.29	1.26	30	
Surr: 4-Bromofluorobenzene	51.49	5.0	50	0	103	71.8	143	50.27	0	0	
Surr: Dibromofluoromethane	47.08	5.0	50	0	94.2	80.3	123	46.88	0	0	
Surr: Toluene-d8	48.18	5.0	50	0	96.4	70.1	142	45.98	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0311263
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

BatchID: 39780

Sample ID **0311264-005AMS** SampType: **MS** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44711**
Client ID: Batch ID: **39780** TestNo: **SW8260B** Analysis Date: **11/11/2003** SeqNo: **824431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	54.17	5.0	50	0	108	66	128	0	0		
Surr: 4-Bromofluorobenzene	50.24	0	50	0	100	71.8	143	0	0		
Surr: Dibromofluoromethane	48.04	0	50	0	96.1	80.3	123	0	0		
Surr: Toluene-d8	46.9	0	50	0	93.8	70.1	142	0	0		

Sample ID **0311264-005AMSD** SampType: **MSD** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44711**
Client ID: Batch ID: **39780** TestNo: **SW8260B** Analysis Date: **11/11/2003** SeqNo: **824432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	50.68	5.0	50	0	101	66	128	54.17	6.66	30	
Surr: 4-Bromofluorobenzene	49.44	0	50	0	98.9	71.8	143	50.24	0	0	
Surr: Dibromofluoromethane	47.95	0	50	0	95.9	80.3	123	48.04	0	0	
Surr: Toluene-d8	46.78	0	50	0	93.6	70.1	142	46.9	0	0	

Sample ID **MB-39780** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **11/10/2003** RunNo: **44711**
Client ID: Batch ID: **39780** TestNo: **SW8260B** Analysis Date: **11/10/2003** SeqNo: **824154**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0									
cis-1,2-Dichloroethene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Trichloroethene	BRL	5.0									
Vinyl chloride	BRL	5.0									
Surr: 4-Bromofluorobenzene	53.33	5.0	50	0	107	71.8	143	0	0		
Surr: Dibromofluoromethane	49.55	5.0	50	0	99.1	80.3	123	0	0		
Surr: Toluene-d8	48.63	5.0	50	0	97.3	70.1	142	0	0		

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- E Value above quantitation range
- N Analyte not NELAC certified

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0311263
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

BatchID: 39780

Sample ID **LCS-39780**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **11/10/2003**	RunNo: **44711**
Client ID:	Batch ID: **39780**	TestNo: **SW8260B**		Analysis Date: **11/11/2003**	SeqNo: **824155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	50.57	5.0	50	0	101	70	125	0	0		
Surr: 4-Bromofluorobenzene	52.91	5.0	50	0	106	71.8	143	0	0		
Surr: Dibromofluoromethane	48.5	5.0	50	0	97	80.3	123	0	0		
Surr: Toluene-d8	48.1	5.0	50	0	96.2	70.1	142	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 24, 2005

RECEIVED
AUG 29 2005
CRA INC.
ATLANTA

1828301
TAL

Thomas Lawrence
Conestoga, Rovers, & Associates, Inc.
1412 Oakbrook Dr
Suite 180
Norcross, GA 30093

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

RE: Birdsong Peanut

Order No.: 0508A78

Dear Thomas Lawrence:

Analytical Environmental Services, Inc. received 6 samples on 8/19/2005 5:25:00 PM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/05-06/30/06.
-AIHA Certification number 505 for analysis of Industrial Hygiene samples (Organics, Inorganics), Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 19 total pages (including cover letter).

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

Sincerely,

Sherri Hernandez

Sherri Hernandez
Project Manager

CHAIN OF CUSTODY RECORD

0508A78

CONESTOGA-ROVERS & ASSOCIATES
Atlanta

SHIPPED TO (Laboratory Name): AES

REFERENCE NUMBER: Birdsong Peanut 18283-01

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David Brytowski

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS TCV VOC	REMARKS
	8/19		GW-081905 SAG 007	water	2	X	Standard TAT
	↓		↓ 008	↓	2	X	
	8/19		GW-081905 SAG 009	water	2	X	
	8/19		GW-081905 DJB - 011	water	2	X	
	↓		↓ 012	water	2	X	
	8/19		GW-081905 DJB 013	water	2	X	
TOTAL NUMBER OF CONTAINERS					12	HEALTH/CHEMICAL HAZARDS	

RELINQUISHED BY: ① [signature]	DATE: 8/19/05 TIME: 17:25	RECEIVED BY: ①	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: WAY BILL No.

White –Fully Executed Copy
Yellow –Receiving Laboratory Copy
Pink –Shipper Copy
Goldenrod –Sampler Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY: Hanna Erdem
DATE: 8/19/05 TIME: 17:25

No CRA 02698
Client

1001 (D) APR 28/97(NF) REV. 0 (F-15)

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Conestoga - Rovers & Assoc. Work Order Number 0508478

Checklist completed by Marcus D. Robinson 8-19-05
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 4.4°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes ✓	No __
Proceed with Standard TAT as per project history?	Yes __	No __ Not Applicable ✓
Water - VOA vials have zero headspace?	No VOA vials submitted __	Yes ✓ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 SAG 007
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,1,2-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,1-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,1-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,2-Dibromoethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,2-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,2-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,2-Dichloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,3-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
1,4-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
2-Butanone	BRL	50		µg/L	61310	1	8/22/2005 12:00:00 PI
2-Hexanone	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
4-Methyl-2-pentanone	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
Acetone	BRL	50		µg/L	61310	1	8/22/2005 12:00:00 PI
Benzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Bromodichloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Bromoform	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Bromomethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Carbon disulfide	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Carbon tetrachloride	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Chlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Chloroethane	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
Chloroform	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Chloromethane	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
cis-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
cis-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Cyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Dibromochloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Dichlorodifluoromethane	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
Ethylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Freon-113	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
Isopropylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
m,p-Xylene	BRL	10		µg/L	61310	1	8/22/2005 12:00:00 PI
Methyl acetate	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Methyl tert-butyl ether	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Methylcyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Methylene chloride	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 SAG 007
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-001A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
o-Xylene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Styrene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Tetrachloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Toluene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
trans-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
trans-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Trichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Trichlorofluoromethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Vinyl chloride	BRL	2.0		µg/L	61310	1	8/22/2005 12:00:00 PI
Surr: 4-Bromofluorobenzene	93.8	66.7-128		%REC	61310	1	8/22/2005 12:00:00 PI
Surr: Dibromofluoromethane	98.9	72.1-121		%REC	61310	1	8/22/2005 12:00:00 PI
Surr: Toluene-d8	109	75.2-121		%REC	61310	1	8/22/2005 12:00:00 PI

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 SAG-008
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,1,2-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,1-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,1-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,2-Dibromoethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,2-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,2-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,2-Dichloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,3-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
1,4-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
2-Butanone	BRL	50		µg/L	61310	1	8/22/2005 10:14:00 AI
2-Hexanone	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
4-Methyl-2-pentanone	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
Acetone	BRL	50		µg/L	61310	1	8/22/2005 10:14:00 AI
Benzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Bromodichloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Bromoform	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Bromomethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Carbon disulfide	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Carbon tetrachloride	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Chlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Chloroethane	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
Chloroform	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Chloromethane	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
cis-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
cis-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Cyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Dibromochloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Dichlorodifluoromethane	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
Ethylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Freon-113	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
Isopropylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
m,p-Xylene	BRL	10		µg/L	61310	1	8/22/2005 10:14:00 AI
Methyl acetate	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Methyl tert-butyl ether	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Methylcyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Methylene chloride	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 SAG-008
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-002A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
o-Xylene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Styrene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Tetrachloroethene	11	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Toluene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
trans-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
trans-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Trichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Trichlorofluoromethane	BRL	5.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Vinyl chloride	BRL	2.0		µg/L	61310	1	8/22/2005 10:14:00 AI
Surr: 4-Bromofluorobenzene	96.6	66.7-128		%REC	61310	1	8/22/2005 10:14:00 AI
Surr: Dibromofluoromethane	103	72.1-121		%REC	61310	1	8/22/2005 10:14:00 AI
Surr: Toluene-d8	106	75.2-121		%REC	61310	1	8/22/2005 10:14:00 AI

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 SAG-009
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,1,2-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,1-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,1-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,2-Dibromoethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,2-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,2-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,2-Dichloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,3-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
1,4-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
2-Butanone	BRL	50		µg/L	61310	1	8/22/2005 12:53:00 PI
2-Hexanone	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
4-Methyl-2-pentanone	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
Acetone	BRL	50		µg/L	61310	1	8/22/2005 12:53:00 PI
Benzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Bromodichloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Bromoform	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Bromomethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Carbon disulfide	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Carbon tetrachloride	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Chlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Chloroethane	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
Chloroform	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Chloromethane	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
cis-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
cis-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Cyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Dibromochloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Dichlorodifluoromethane	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
Ethylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Freon-113	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
Isopropylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
m,p-Xylene	BRL	10		µg/L	61310	1	8/22/2005 12:53:00 PI
Methyl acetate	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Methyl tert-butyl ether	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Methylcyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Methylene chloride	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 SAG-009
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-003A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
o-Xylene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Styrene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Tetrachloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Toluene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
trans-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
trans-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Trichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Trichlorofluoromethane	BRL	5.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Vinyl chloride	BRL	2.0		µg/L	61310	1	8/22/2005 12:53:00 PI
Surr: 4-Bromofluorobenzene	93.3	66.7-128		%REC	61310	1	8/22/2005 12:53:00 PI
Surr: Dibromofluoromethane	101	72.1-121		%REC	61310	1	8/22/2005 12:53:00 PI
Surr: Toluene-d8	109	75.2-121		%REC	61310	1	8/22/2005 12:53:00 PI

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 DJB-011
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
2-Butanone	BRL	50		µg/L	61310	1	8/22/2005 3:59:00 PM
2-Hexanone	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
Acetone	BRL	50		µg/L	61310	1	8/22/2005 3:59:00 PM
Benzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Bromodichloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Bromoform	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Bromomethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Carbon disulfide	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Chlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Chloroethane	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
Chloroform	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Chloromethane	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Cyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Dibromochloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
Ethylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Freon-113	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
Isopropylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
m,p-Xylene	BRL	10		µg/L	61310	1	8/22/2005 3:59:00 PM
Methyl acetate	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Methylcyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Methylene chloride	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 DJB-011
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-004A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
o-Xylene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Styrene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Tetrachloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Toluene	6.3	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Trichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Vinyl chloride	BRL	2.0		µg/L	61310	1	8/22/2005 3:59:00 PM
Surr: 4-Bromofluorobenzene	93.4	66.7-128		%REC	61310	1	8/22/2005 3:59:00 PM
Surr: Dibromofluoromethane	105	72.1-121		%REC	61310	1	8/22/2005 3:59:00 PM
Surr: Toluene-d8	109	75.2-121		%REC	61310	1	8/22/2005 3:59:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 DJB-012
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
2-Butanone	BRL	50		µg/L	61310	1	8/22/2005 4:26:00 PM
2-Hexanone	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
Acetone	BRL	50		µg/L	61310	1	8/22/2005 4:26:00 PM
Benzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Bromodichloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Bromoform	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Bromomethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Carbon disulfide	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Chlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Chloroethane	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
Chloroform	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Chloromethane	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Cyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Dibromochloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
Ethylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Freon-113	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
Isopropylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
m,p-Xylene	BRL	10		µg/L	61310	1	8/22/2005 4:26:00 PM
Methyl acetate	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Methylcyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Methylene chloride	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 DJB-012
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-005A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
o-Xylene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Styrene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Tetrachloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Toluene	5.2	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Trichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Vinyl chloride	BRL	2.0		µg/L	61310	1	8/22/2005 4:26:00 PM
Surr: 4-Bromofluorobenzene	94.3	66.7-128		%REC	61310	1	8/22/2005 4:26:00 PM
Surr: Dibromofluoromethane	106	72.1-121		%REC	61310	1	8/22/2005 4:26:00 PM
Surr: Toluene-d8	110	75.2-121		%REC	61310	1	8/22/2005 4:26:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Lab Order: 0508A78
Project: Birdsong Peanut
Lab ID: 0508A78-006A

Client Sample ID: GW-081905 DJB-013
Tag Number:
Collection Date: 8/19/2005
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
2-Butanone	BRL	50		µg/L	61310	1	8/22/2005 4:53:00 PM
2-Hexanone	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
Acetone	BRL	50		µg/L	61310	1	8/22/2005 4:53:00 PM
Benzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Bromodichloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Bromoform	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Bromomethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Carbon disulfide	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Chlorobenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Chloroethane	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
Chloroform	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Chloromethane	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Cyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Dibromochloromethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
Ethylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Freon-113	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
Isopropylbenzene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
m,p-Xylene	BRL	10		µg/L	61310	1	8/22/2005 4:53:00 PM
Methyl acetate	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Methylcyclohexane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Methylene chloride	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	GW-081905 DJB-013
Lab Order:	0508A78	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/19/2005
Lab ID:	0508A78-006A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
o-Xylene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Styrene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Tetrachloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Toluene	14	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Trichloroethene	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Vinyl chloride	BRL	2.0		µg/L	61310	1	8/22/2005 4:53:00 PM
Surr: 4-Bromofluorobenzene	93.0	66.7-128		%REC	61310	1	8/22/2005 4:53:00 PM
Surr: Dibromofluoromethane	101	72.1-121		%REC	61310	1	8/22/2005 4:53:00 PM
Surr: Toluene-d8	110	75.2-121		%REC	61310	1	8/22/2005 4:53:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *24-Aug-05*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0508A78
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_W

Sample ID MB-61310	SampType: MBLK	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 8/22/2005	RunNo: 70522
Client ID:	Batch ID: 61310	TestNo: SW8260B		Analysis Date: 8/22/2005	SeqNo: 1390266

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

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0508A78
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_W

Sample ID **MB-61310** SampType: **MBLK** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **8/22/2005** RunNo: **70522**
Client ID: Batch ID: **61310** TestNo: **SW8260B** Analysis Date: **8/22/2005** SeqNo: **1390266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	50.51	0	50	0	101	66.7	128	0	0		
Surr: Dibromofluoromethane	57.83	0	50	0	116	72.1	121	0	0		
Surr: Toluene-d8	55.34	0	50	0	111	75.2	121	0	0		

Sample ID **LCS-61310** SampType: **LCS** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **8/22/2005** RunNo: **70522**
Client ID: Batch ID: **61310** TestNo: **SW8260B** Analysis Date: **8/22/2005** SeqNo: **1390267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	60.6	5.0	50	0	121	63	157	0	0		
Benzene	54.98	5.0	50	0	110	74.9	126	0	0		

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits
- BRL Below Reporting Limit
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- E Value above quantitation range
- N Analyte not NELAC certified

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0508A78
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_W

Sample ID **LCS-61310** SampType: **LCS** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **8/22/2005** RunNo: **70522**
Client ID: Batch ID: **61310** TestNo: **SW8260B** Analysis Date: **8/22/2005** SeqNo: **1390267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	53.75	5.0	50	0	108	81.5	123	0	0		
Toluene	56.56	5.0	50	0	113	81.3	125	0	0		
Trichloroethene	56.29	5.0	50	0	113	70.4	134	0	0		
Surr: 4-Bromofluorobenzene	49.6	0	50	0	99.2	66.7	128	0	0		
Surr: Dibromofluoromethane	52.52	0	50	0	105	72.1	121	0	0		
Surr: Toluene-d8	53.57	0	50	0	107	75.2	121	0	0		

Sample ID **0508A87-008AMS** SampType: **MS** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **8/22/2005** RunNo: **70522**
Client ID: Batch ID: **61310** TestNo: **SW8260B** Analysis Date: **8/22/2005** SeqNo: **1391243**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	54.74	5.0	50	0	109	60.9	157	0	0		
Benzene	51.72	5.0	50	0	103	69.7	128	0	0		
Chlorobenzene	51.06	5.0	50	0	102	80.7	123	0	0		
Toluene	54.41	5.0	50	0	109	76.2	128	0	0		
Trichloroethene	52.06	5.0	50	0	104	70.6	133	0	0		
Surr: 4-Bromofluorobenzene	46.76	0	50	0	93.5	66.7	128	0	0		
Surr: Dibromofluoromethane	51.28	0	50	0	103	72.1	121	0	0		
Surr: Toluene-d8	53.46	0	50	0	107	75.2	121	0	0		

Sample ID **0508A87-008AMSD** SampType: **MSD** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **8/22/2005** RunNo: **70522**
Client ID: Batch ID: **61310** TestNo: **SW8260B** Analysis Date: **8/22/2005** SeqNo: **1391244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	57.23	5.0	50	0	114	60.9	157	54.74	4.45	15.8	
Benzene	52.84	5.0	50	0	106	69.7	128	51.72	2.14	10	
Chlorobenzene	49.71	5.0	50	0	99.4	80.7	123	51.06	2.68	10	
Toluene	51.76	5.0	50	0	104	76.2	128	54.41	4.99	10	
Trichloroethene	53.07	5.0	50	0	106	70.6	133	52.06	1.92	11	
Surr: 4-Bromofluorobenzene	46.14	0	50	0	92.3	66.7	128	46.76	0	0	

Qualifiers:
- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- N Analyte not NELAC certified
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0508A78
Project: Birdsong Peanut

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_W

Sample ID **0508A87-008AMSD** SampType: **MSD** TestCode: **8260_TCL4.2** Units: **µg/L** Prep Date: **8/22/2005** RunNo: **70522**
Client ID: Batch ID: **61310** TestNo: **SW8260B** Analysis Date: **8/22/2005** SeqNo: **1391244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	54.79	0	50	0	110	72.1	121	51.28	0	0	
Surr: Toluene-d8	52.27	0	50	0	105	75.2	121	53.46	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

August 19, 2005

RECEIVED
AUG 25 2005
CRA INC.
ATLANTA

18283-01
TH

Thomas Lawrence
Conestoga, Rovers, & Associates, Inc.
1412 Oakbrook Dr
Suite 180
Norcross, GA 30093

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

RE: Birdsong Peanut

Order No.: 0508748

Dear Thomas Lawrence:

Analytical Environmental Services, Inc. received 17 samples on 8/13/2005 11:36:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/05-06/30/06.
-AIHA Certification number 505 for analysis of Industrial Hygiene samples (Organics, Inorganics), Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 50 total pages (including cover letter).

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

Sincerely,

Sherri Hernandez

Sherri Hernandez
Project Manager

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
~~1001~~ Oakbrook Drive Suite ~~150~~
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES

0508748

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong Peanut

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: TCL VOCs								REMARKS
	8/9/05	9:55	S-080905 DJB-001	Soil	3	X								Standard TAT
			~~002~~		3	X								
	8/10/05	8:50	S-081005 DJB 003		3	X								
	8/10/05	8:56	004		3	X								
	8/10/05	10:25	005		3	X								
	8/10/05	10:35	006	Soil	3	X								
	8/10/05	13:05	007		3	X								
	8/10/05	13:15	008		3	X								
	8/10/05	14:00	009		3	X								
	8/10/05	15:30	S-081005 DJB 010		3	X								
	8/12/05	15:40	S-081205 DJB 011	Soil	3	X								
	8/10/05	9:30	GW-081005 DJB 001	water	2	X								
	8/10/05	11:35	002		2	X								
	8/10/05	13:30	003		2	X								
	8/10/05	14:10	GW-081005 DJB 004	water	2	X								
			TOTAL NUMBER OF CONTAINERS											

RELINQUISHED BY: ① [signature]	DATE: 8/13/05 TIME: 11:36	RECEIVED BY: ② [signature]	DATE: 8/13/05 TIME: 11:36
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3714

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

CRA
CONESTOGA-ROVERS & ASSOCIATES, INC.
1351 Oakbrook Drive Suite 150
Norcross, GA 30093 404-441-0027

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): AES 0508748

REFERENCE NUMBER: 18283-01

PROJECT NAME: Birdsong Peanut

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: David Brytowski

SEQ. NO.	DATE	TIME	SAMPLE NUMBER	SAMPLE TYPE	NO. OF CONTAINERS	PARAMETERS: TCL VOC								REMARKS
	8-11-05	14:50	GW-081105 DJB 005	water	2	X								Standard TAT
	8/12/05	16:00	GW-081205 DJB 006	water	2	X								
TOTAL NUMBER OF CONTAINERS					36	TOTAL								

RELINQUISHED BY: ① [signature]	DATE: 8/12/05 TIME: 11:36	RECEIVED BY: ② [signature]	DATE: 8/13/05 TIME: 11:36
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: AIR BILL NUMBER:

White - Fully Executed Copy
Yellow - Receiving Laboratory Copy
Pink - Sampler Copy
Goldenrod - Chemist Copy

SAMPLE TEAM:

RECEIVED FOR LABORATORY BY:

DATE: TIME:

3962

1007(FORMS) — DEC 6, 93 — REV.D — (AF-01)

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client CRA Work Order Number 0508748

Checklist completed by Hannah Gardner 8/13/05
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

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

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

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 5.0°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ JN 8/22/05 No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

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

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

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

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

See Case Narrative for resolution of the Non-Conformance.

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

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

Analytical Environmental Services, Inc. **Date:** *23-Aug-05*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Project: Birdsong Peanut
Lab Order: 0508748

CASE NARRATIVE

Sample/Cooler Receipt Non-Conformance:

S-081005 DJB-002 is submitted but not listed on the COC. 8/19/05 Per Steven Grace, proceed with VOC analysis on this sample. The collection date/time was taken from the containers: 8/10/05, 10:00 a.m.

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 4th Edition. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives unless indicated in the case narrative.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the surrogate spiking compound Dibromofluoromethane on samples 0508748-007A and -011A was outside control limits biased high due to suspected matrix interference. All other surrogate recoveries were within control limits.

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-080905 DJB- 001
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/9/2005 9:55:00 AM
Lab ID:	0508748-001A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,1,2,2-Tetrachloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,1,2-Trichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,1-Dichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,1-Dichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,2,4-Trichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,2-Dibromo-3-chloropropane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,2-Dibromoethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,2-Dichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,2-Dichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,2-Dichloropropane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,3-Dichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
1,4-Dichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
2-Butanone	BRL	29		µg/Kg	61182	1	8/17/2005 3:42:00 PM
2-Hexanone	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
4-Methyl-2-pentanone	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Acetone	BRL	59		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Benzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Bromodichloromethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Bromoform	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Bromomethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Carbon disulfide	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Carbon tetrachloride	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Chlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Chloroethane	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Chloroform	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Chloromethane	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
cis-1,2-Dichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
cis-1,3-Dichloropropene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Cyclohexane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Dibromochloromethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Dichlorodifluoromethane	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Ethylbenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Freon-113	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Isopropylbenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
m,p-Xylene	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Methyl acetate	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Methyl tert-butyl ether	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Methylcyclohexane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Methylene chloride	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-080905 DJB- 001
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/9/2005 9:55:00 AM
Lab ID:	0508748-001A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Styrene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Tetrachloroethene	3.2	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Toluene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
trans-1,2-Dichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
trans-1,3-Dichloropropene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Trichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Trichlorofluoromethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Vinyl chloride	BRL	5.9		µg/Kg	61182	1	8/17/2005 3:42:00 PM
Surr: 4-Bromofluorobenzene	111	66.9-120		%REC	61182	1	8/17/2005 3:42:00 PM
Surr: Dibromofluoromethane	131	70.4-133		%REC	61182	1	8/17/2005 3:42:00 PM
Surr: Toluene-d8	120	71.5-140		%REC	61182	1	8/17/2005 3:42:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *23-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 002
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 10:00:00 AM
Lab ID:	0508748-002A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,1,2-Trichloroethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,1-Dichloroethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,1-Dichloroethene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,2,4-Trichlorobenzene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,2-Dibromoethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,2-Dichlorobenzene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,2-Dichloroethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,2-Dichloropropane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,3-Dichlorobenzene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
1,4-Dichlorobenzene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
2-Butanone	BRL	30		µg/Kg	61135	1	8/17/2005 4:11:00 PM
2-Hexanone	BRL	6.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
4-Methyl-2-pentanone	BRL	6.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Acetone	BRL	60		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Benzene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Bromodichloromethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
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cis-1,3-Dichloropropene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Cyclohexane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Dibromochloromethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Dichlorodifluoromethane	BRL	6.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Ethylbenzene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
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Methyl acetate	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Methyl tert-butyl ether	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Methylcyclohexane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Methylene chloride	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *23-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 002
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 10:00:00 AM
Lab ID:	0508748-002A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Styrene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Tetrachloroethene	29	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Toluene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
trans-1,2-Dichloroethene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
trans-1,3-Dichloropropene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Trichloroethene	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Trichlorofluoromethane	BRL	3.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Vinyl chloride	BRL	6.0		µg/Kg	61135	1	8/17/2005 4:11:00 PM
Surr: 4-Bromofluorobenzene	108	66.9-120		%REC	61135	1	8/17/2005 4:11:00 PM
Surr: Dibromofluoromethane	132	70.4-133		%REC	61135	1	8/17/2005 4:11:00 PM
Surr: Toluene-d8	121	71.5-140		%REC	61135	1	8/17/2005 4:11:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 003
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 8:50:00 AM
Lab ID:	0508748-003A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,1,2-Trichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,1-Dichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,1-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,2,4-Trichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,2-Dibromoethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,2-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,2-Dichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,2-Dichloropropane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,3-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
1,4-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
2-Butanone	BRL	36		µg/Kg	61182	1	8/17/2005 4:39:00 PM
2-Hexanone	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
4-Methyl-2-pentanone	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Acetone	BRL	72		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Benzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Bromodichloromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Bromoform	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Bromomethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Carbon disulfide	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Carbon tetrachloride	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Chlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Chloroethane	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Chloroform	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Chloromethane	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
cis-1,2-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
cis-1,3-Dichloropropene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Cyclohexane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Dibromochloromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Dichlorodifluoromethane	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Ethylbenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Freon-113	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Isopropylbenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
m,p-Xylene	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Methyl acetate	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Methyl tert-butyl ether	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Methylcyclohexane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Methylene chloride	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 003
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 8:50:00 AM
Lab ID:	0508748-003A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Styrene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Tetrachloroethene	4.7	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Toluene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
trans-1,2-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
trans-1,3-Dichloropropene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Trichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Trichlorofluoromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Vinyl chloride	BRL	7.2		µg/Kg	61182	1	8/17/2005 4:39:00 PM
Surr: 4-Bromofluorobenzene	111	66.9-120		%REC	61182	1	8/17/2005 4:39:00 PM
Surr: Dibromofluoromethane	132	70.4-133		%REC	61182	1	8/17/2005 4:39:00 PM
Surr: Toluene-d8	122	71.5-140		%REC	61182	1	8/17/2005 4:39:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 004
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 8:56:00 AM
Lab ID:	0508748-004A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,1,2-Trichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,1-Dichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,1-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,2,4-Trichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,2-Dibromoethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,2-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,2-Dichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,2-Dichloropropane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,3-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
1,4-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
2-Butanone	BRL	36		µg/Kg	61182	1	8/17/2005 5:08:00 PM
2-Hexanone	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
4-Methyl-2-pentanone	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Acetone	BRL	73		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Benzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Bromodichloromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Bromoform	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Bromomethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Carbon disulfide	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Carbon tetrachloride	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Chlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Chloroethane	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Chloroform	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Chloromethane	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
cis-1,2-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
cis-1,3-Dichloropropene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Cyclohexane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Dibromochloromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Dichlorodifluoromethane	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Ethylbenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Freon-113	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Isopropylbenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
m,p-Xylene	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Methyl acetate	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Methyl tert-butyl ether	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Methylcyclohexane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Methylene chloride	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 004
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 8:56:00 AM
Lab ID:	0508748-004A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Styrene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Tetrachloroethene	11	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Toluene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
trans-1,2-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
trans-1,3-Dichloropropene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Trichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Trichlorofluoromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Vinyl chloride	BRL	7.3		µg/Kg	61182	1	8/17/2005 5:08:00 PM
Surr: 4-Bromofluorobenzene	109	66.9-120		%REC	61182	1	8/17/2005 5:08:00 PM
Surr: Dibromofluoromethane	131	70.4-133		%REC	61182	1	8/17/2005 5:08:00 PM
Surr: Toluene-d8	123	71.5-140		%REC	61182	1	8/17/2005 5:08:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 005
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 10:25:00 AM
Lab ID:	0508748-005A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,1,2-Trichloroethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,1-Dichloroethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,1-Dichloroethene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,2,4-Trichlorobenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,2-Dibromoethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,2-Dichlorobenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,2-Dichloroethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,2-Dichloropropane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,3-Dichlorobenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
1,4-Dichlorobenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
2-Butanone	BRL	34		µg/Kg	61182	1	8/17/2005 5:36:00 PM
2-Hexanone	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
4-Methyl-2-pentanone	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Acetone	BRL	67		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Benzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Bromodichloromethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Bromoform	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Bromomethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Carbon disulfide	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Carbon tetrachloride	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Chlorobenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Chloroethane	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Chloroform	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Chloromethane	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
cis-1,2-Dichloroethene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
cis-1,3-Dichloropropene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Cyclohexane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Dibromochloromethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Dichlorodifluoromethane	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Ethylbenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Freon-113	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Isopropylbenzene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
m,p-Xylene	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Methyl acetate	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Methyl tert-butyl ether	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Methylcyclohexane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Methylene chloride	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 005
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 10:25:00 AM
Lab ID:	0508748-005A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Styrene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Tetrachloroethene	6.4	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Toluene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
trans-1,2-Dichloroethene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
trans-1,3-Dichloropropene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Trichloroethene	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Trichlorofluoromethane	BRL	3.4		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Vinyl chloride	BRL	6.7		µg/Kg	61182	1	8/17/2005 5:36:00 PM
Surr: 4-Bromofluorobenzene	105	66.9-120		%REC	61182	1	8/17/2005 5:36:00 PM
Surr: Dibromofluoromethane	128	70.4-133		%REC	61182	1	8/17/2005 5:36:00 PM
Surr: Toluene-d8	122	71.5-140		%REC	61182	1	8/17/2005 5:36:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 006
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 10:35:00 AM
Lab ID:	0508748-006A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,1,2-Trichloroethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,1-Dichloroethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,1-Dichloroethene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,2,4-Trichlorobenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,2-Dibromoethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,2-Dichlorobenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,2-Dichloroethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,2-Dichloropropane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,3-Dichlorobenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
1,4-Dichlorobenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
2-Butanone	BRL	32		µg/Kg	61182	1	8/17/2005 7:00:00 PM
2-Hexanone	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
4-Methyl-2-pentanone	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Acetone	BRL	63		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Benzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Bromodichloromethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Bromoform	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Bromomethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Carbon disulfide	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Carbon tetrachloride	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Chlorobenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Chloroethane	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Chloroform	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Chloromethane	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
cis-1,2-Dichloroethene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
cis-1,3-Dichloropropene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Cyclohexane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Dibromochloromethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Dichlorodifluoromethane	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Ethylbenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Freon-113	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Isopropylbenzene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
m,p-Xylene	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Methyl acetate	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Methyl tert-butyl ether	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Methylcyclohexane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Methylene chloride	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 006
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 10:35:00 AM
Lab ID:	0508748-006A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Styrene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Tetrachloroethene	4.8	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Toluene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
trans-1,2-Dichloroethene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
trans-1,3-Dichloropropene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Trichloroethene	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Trichlorofluoromethane	BRL	3.2		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Vinyl chloride	BRL	6.3		µg/Kg	61182	1	8/17/2005 7:00:00 PM
Surr: 4-Bromofluorobenzene	107	66.9-120		%REC	61182	1	8/17/2005 7:00:00 PM
Surr: Dibromofluoromethane	130	70.4-133		%REC	61182	1	8/17/2005 7:00:00 PM
Surr: Toluene-d8	123	71.5-140		%REC	61182	1	8/17/2005 7:00:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 007
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 1:05:00 PM
Lab ID:	0508748-007A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,1,2-Trichloroethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,1-Dichloroethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,1-Dichloroethene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,2,4-Trichlorobenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,2-Dibromoethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,2-Dichlorobenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,2-Dichloroethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,2-Dichloropropane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,3-Dichlorobenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
1,4-Dichlorobenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
2-Butanone	BRL	33		µg/Kg	61182	1	8/17/2005 7:28:00 PM
2-Hexanone	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
4-Methyl-2-pentanone	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Acetone	BRL	66		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Benzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Bromodichloromethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Bromoform	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Bromomethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Carbon disulfide	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Carbon tetrachloride	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Chlorobenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Chloroethane	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Chloroform	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Chloromethane	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
cis-1,2-Dichloroethene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
cis-1,3-Dichloropropene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Cyclohexane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Dibromochloromethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Dichlorodifluoromethane	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Ethylbenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Freon-113	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Isopropylbenzene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
m,p-Xylene	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Methyl acetate	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Methyl tert-butyl ether	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Methylcyclohexane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Methylene chloride	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 007
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 1:05:00 PM
Lab ID:	0508748-007A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Styrene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Tetrachloroethene	10	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Toluene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
trans-1,2-Dichloroethene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
trans-1,3-Dichloropropene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Trichloroethene	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Trichlorofluoromethane	BRL	3.3		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Vinyl chloride	BRL	6.6		µg/Kg	61182	1	8/17/2005 7:28:00 PM
Surr: 4-Bromofluorobenzene	109	66.9-120		%REC	61182	1	8/17/2005 7:28:00 PM
Surr: Dibromofluoromethane	135	70.4-133	S	%REC	61182	1	8/17/2005 7:28:00 PM
Surr: Toluene-d8	125	71.5-140		%REC	61182	1	8/17/2005 7:28:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 008
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 1:15:00 PM
Lab ID:	0508748-008A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,1,2,2-Tetrachloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,1,2-Trichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,1-Dichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,1-Dichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,2,4-Trichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,2-Dibromo-3-chloropropane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,2-Dibromoethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,2-Dichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,2-Dichloroethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,2-Dichloropropane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,3-Dichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
1,4-Dichlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
2-Butanone	BRL	29		µg/Kg	61182	1	8/17/2005 7:55:00 PM
2-Hexanone	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
4-Methyl-2-pentanone	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Acetone	BRL	59		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Benzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Bromodichloromethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Bromoform	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Bromomethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Carbon disulfide	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Carbon tetrachloride	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Chlorobenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Chloroethane	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Chloroform	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Chloromethane	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
cis-1,2-Dichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
cis-1,3-Dichloropropene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Cyclohexane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Dibromochloromethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Dichlorodifluoromethane	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Ethylbenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Freon-113	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Isopropylbenzene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
m,p-Xylene	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Methyl acetate	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Methyl tert-butyl ether	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Methylcyclohexane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Methylene chloride	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 008
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 1:15:00 PM
Lab ID:	0508748-008A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Styrene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Tetrachloroethene	13	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Toluene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
trans-1,2-Dichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
trans-1,3-Dichloropropene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Trichloroethene	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Trichlorofluoromethane	BRL	2.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Vinyl chloride	BRL	5.9		µg/Kg	61182	1	8/17/2005 7:55:00 PM
Surr: 4-Bromofluorobenzene	106	66.9-120		%REC	61182	1	8/17/2005 7:55:00 PM
Surr: Dibromofluoromethane	131	70.4-133		%REC	61182	1	8/17/2005 7:55:00 PM
Surr: Toluene-d8	121	71.5-140		%REC	61182	1	8/17/2005 7:55:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 009
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 2:00:00 PM
Lab ID:	0508748-009A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,1,2-Trichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,1-Dichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,1-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,2,4-Trichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,2-Dibromoethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,2-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,2-Dichloroethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,2-Dichloropropane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,3-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
1,4-Dichlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
2-Butanone	BRL	36		µg/Kg	61182	1	8/17/2005 8:23:00 PM
2-Hexanone	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
4-Methyl-2-pentanone	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Acetone	BRL	72		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Benzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Bromodichloromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Bromoform	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Bromomethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Carbon disulfide	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Carbon tetrachloride	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Chlorobenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Chloroethane	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Chloroform	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Chloromethane	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
cis-1,2-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
cis-1,3-Dichloropropene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Cyclohexane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Dibromochloromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Dichlorodifluoromethane	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Ethylbenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Freon-113	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Isopropylbenzene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
m,p-Xylene	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Methyl acetate	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Methyl tert-butyl ether	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Methylcyclohexane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Methylene chloride	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 009
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 2:00:00 PM
Lab ID:	0508748-009A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
o-Xylene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Styrene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Tetrachloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Toluene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
trans-1,2-Dichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
trans-1,3-Dichloropropene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Trichloroethene	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Trichlorofluoromethane	BRL	3.6		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Vinyl chloride	BRL	7.2		µg/Kg	61182	1	8/17/2005 8:23:00 PM
Surr: 4-Bromofluorobenzene	107	66.9-120		%REC	61182	1	8/17/2005 8:23:00 PM
Surr: Dibromofluoromethane	129	70.4-133		%REC	61182	1	8/17/2005 8:23:00 PM
Surr: Toluene-d8	120	71.5-140		%REC	61182	1	8/17/2005 8:23:00 PM

Qualifiers:				
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	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *22-Aug-05*

CLIENT:	Conestoga, Rovers, & Associates, Inc.	**Client Sample ID:**	S-081005 DJB- 010
Lab Order:	0508748	**Tag Number:**	
Project:	Birdsong Peanut	**Collection Date:**	8/10/2005 3:30:00 PM
Lab ID:	0508748-010A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5035)**		Analyst: **NWH**
1,1,1-Trichloroethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,1,2,2-Tetrachloroethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,1,2-Trichloroethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,1-Dichloroethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,1-Dichloroethene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,2,4-Trichlorobenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,2-Dibromo-3-chloropropane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,2-Dibromoethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,2-Dichlorobenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,2-Dichloroethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,2-Dichloropropane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,3-Dichlorobenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
1,4-Dichlorobenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
2-Butanone	BRL	31		µg/Kg	61182	1	8/17/2005 8:51:00 PM
2-Hexanone	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
4-Methyl-2-pentanone	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Acetone	BRL	63		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Benzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Bromodichloromethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Bromoform	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Bromomethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Carbon disulfide	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Carbon tetrachloride	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Chlorobenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Chloroethane	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Chloroform	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Chloromethane	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
cis-1,2-Dichloroethene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
cis-1,3-Dichloropropene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Cyclohexane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Dibromochloromethane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Dichlorodifluoromethane	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Ethylbenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Freon-113	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Isopropylbenzene	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
m,p-Xylene	BRL	6.3		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Methyl acetate	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Methyl tert-butyl ether	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Methylcyclohexane	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM
Methylene chloride	BRL	3.1		µg/Kg	61182	1	8/17/2005 8:51:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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