



**JULY 2011 PROGRESS REPORT**  
**ANNISTON PCB SITE**  
**(DOCKET NO. CV-02-PT-0749-E)**  
**ANNISTON, ALABAMA**

USEPA I.D. No. ALD 004 019 048

Submitted For:

**Solutia Inc. and Pharmacia Corporation**  
**702 Clydesdale Avenue**  
**Anniston, Alabama 36201**

August 9, 2011



August 9, 2011

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SENT VIA FEDERAL EXPRESS

Ms. Pamela J. Langston Scully, P.E.  
Remedial Project Manager  
United States Environmental Protection Agency  
Anniston PCB Site Project Office  
902 Noble Street  
Anniston, AL 36201

**RE: July 2011 Progress Report  
Anniston PCB Site (Docket No. CV-02-PT-0749-E)  
Anniston, Alabama**

Dear Ms. Langston Scully:

Please find enclosed eight (8) hard copies and ten (10) electronic copies of the July 2011 Progress Report for the Partial Consent Decree between Solutia Inc., Pharmacia Corporation and the United States Environmental Protection Agency entered by the United States District Court for the Northern District of Alabama on August 4, 2003. This report describes the work performed, unanticipated issues encountered, and analytical data received during the reporting period of July 1, 2011 through July 31, 2011. The report also describes upcoming developments anticipated for the months of August and September 2011.

If you should have any questions concerning this matter or need additional information, please call me at (256) 231-8404.

Sincerely,

A handwritten signature in blue ink, appearing to read "E. Macolly", is written over a faint, larger version of the signature.

E. Gayle Macolly  
Manager, Remedial Projects  
Solutia Inc.

Attachments

cc: Mr. Jeffery W. Kitchens (ADEM)  
Mr. G. Douglas Jones, Esq.  
Mr. Thomas Dahl  
Ms. Delores J. Simmons, Esq.

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## **1.0 INTRODUCTION**

This monthly progress report has been prepared in accordance with the requirements of the Partial Consent Decree (CD) (Docket No. CV-02-PT-0749-E) between the United States Environmental Protection Agency (EPA), Solutia Inc. (Solutia), and Pharmacia Corporation (Pharmacia) entered by the United States District Court for the Northern District of Alabama (the Court) on August 4, 2003. The CD was issued under Sections 106, 107, and 113(g)(2) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. §§9606, 9697, §9613(g)(2). The CD provides for the performance of studies and response work by Solutia and Pharmacia at the Anniston PCB Site (Site) as defined by the CD. Solutia and Pharmacia, with Monsanto performing work on behalf of Pharmacia, are referred to as “P/S” in the subsequent sections of this report.

In accordance with Appendix A Section XIII (47), Appendix B Task 2, and Appendix G Section VI (2.5) of the CD, this report describes the work performed during the period of July 1 through July 31, 2011, including actions taken, unanticipated issues, if applicable, and analytical data received during the reporting period. This report also describes upcoming developments anticipated over the next two months, including scheduled dates of actions to be performed and planned resolutions of past or anticipated problems, if applicable.

## **2.0 WORK PERFORMED DURING REPORTING PERIOD**

### **2.1 General CD Activities**

#### **2.1.1 Administrative Submittals**

A CD submittal schedule for the Site that includes this reporting period's submittals and/or submittals awaiting approval or response is included as Table 1. The schedule includes the dates that documents were submitted to the EPA and the dates that approvals or comments were received from the EPA.

#### **2.1.2 General Activities**

The Screening Level Ecological Risk Assessment (SLERA) for the residential and non-residential portions of Operable Unit (OU)-1/OU-2 of the Anniston PCB Site (dated December 23, 2005) was submitted to the EPA on January 9, 2006. The SLERA approval for OU-1/OU-2 is contingent upon results of the pending OU-4 Baseline Ecological Risk Assessment.

On July 21, 2011, P/S convened a site-wide status meeting with representatives from the EPA and the Special Masters for the Court to review current Site status and discuss the paths forward for all the Operable Units.

### **2.2 Operable Unit 1/Operable Unit 2 (OU-1/OU-2) Residential Program**

#### **2.2.1 General**

The residential program consists of residential work associated with the CD. This includes the non-time critical (NTC) residential activities as well as time critical residential activities associated with the Administrative Order on Consent (AOC), effective October 5, 2001.

On January 29, 2008, P/S submitted the NTC Removal Action Supplemental Sampling and Analysis Plan Addendum 3 to the EPA to incorporate the surface sampling of unsuitable properties. Verbal approval was received from the EPA in February 2008, and a formal approval is pending.

On October 27, 2008, P/S submitted the NTC Removal Action Amended Supplemental Sampling and Analysis Plan proposing, based on previous sampling results, that no additional sampling be

required for residential properties not previously sampled in Zone B. On December 24, 2008, the EPA submitted comments on the NTC Removal Action Amended Supplemental Sampling and Analysis Plan. In March 2009, P/S prepared a draft response to these comments; however, the EPA deferred providing additional input pending completion of Foothills Community Partnership (Foothills) sampling and removal activities in Zone B. On March 8, 2011, the EPA requested a revised version of the NTC Removal Action Amended Supplemental Sampling and Analysis Plan to include the additional Zone B data collected since October 2008. On April 26, 2011, P/S submitted the NTC Removal Action Amended Supplemental Sampling and Analysis Plan, Revision 1.0. The EPA approval is pending.

P/S continue to work with the City of Anniston and Calhoun County to identify properties that have either been demolished or are scheduled for demolition; however, no new information was received during this reporting period.

P/S submitted a NTC Removal Action Interim Institutional Control Program for Residential properties to the EPA on July 12, 2011, requesting approval of the program until a final program is developed following issuance of a Record of Decision (ROD). The EPA approval is pending.

## **2.2.2 Residential Surface Sampling Program**

### **2.2.2.1 Residential Sampling Access**

Access activity includes updating owner/tenant information, access request information, and/or EPA notification of non-compliance information. There were no residential properties that had access activity performed by P/S and/or access acquisition by the EPA during this reporting period.

### **2.2.2.2 Residential Sampling Activities**

During this reporting period, P/S did not perform any composite surficial soil sampling. Validated residential properties sampling analytical data and field screening results received during this reporting period are presented in Attachment A.

### **2.2.3 Residential Removal Properties Program**

#### **2.2.3.1 Residential Removal Access**

Access activities include updating owner/tenant information and/or access request information and notifying the EPA of owner/tenant noncompliance with access requests. During this reporting period, there was one residential removal property that had access activity performed by P/S and/or access acquisition by the EPA, which is presented in Attachment B for Evaluation Areas 1 through 35. The access activities for this reporting period are summarized in Table 2.

Currently in Evaluation Areas 1 through 35, 21 residential properties and one Special Use property have surface composite samples with PCB results greater than or equal to 1 ppm that require a removal action. The description of each property's status is presented in Table 4.

Currently in Zone A, four residential properties previously sampled by the EPA and/or Foothills have surface composite samples with PCB results greater than or equal to 1 ppm and lead results less than 400 ppm and will require a removal action. The description of each property's status is presented in Table 5.

Currently in Zone B, eight residential properties previously sampled by the EPA and/or Foothills have surface composite samples with PCB results greater than or equal to 1 ppm and lead results less than 400 ppm and will require a removal action. The description of each property's status is presented in Table 6.

#### **2.2.3.2 Residential Removal Activities**

During this reporting period, P/S performed surface and depth sampling associated with residential removal properties in Evaluation Areas 1 through 35 and Zone B. A list of properties sampled during this reporting period are presented in Table 3. Validated analytical results received during this reporting period are presented in Attachments C, D and E.

P/S continued to perform the required routine inspections of the Central Staging and Soil Management Area (CSSMA) and South Staging and Soil Management Area (SSSMA) during this reporting period. No adverse findings were noted during the inspections.

On May 7, 2010, P/S submitted the SSSMA Interim Closure Report to the EPA. The EPA approval is pending.

On July 11, 2011, P/S submitted the Updated Interim Operations and Maintenance Plan (2011-2012) for the SSSMA to the EPA. The EPA approval is pending.

### **2.3 OU-1/OU-2 Non-Residential Program**

The Preliminary Site Characterization Summary Report for OU-1/OU-2 was submitted to the EPA on December 18, 2007. Approval from the EPA is pending, contingent upon approval of the additional groundwater investigation work described below.

A Supplemental Report on OU-1/OU-2 Non-Residential Groundwater Investigations was submitted to the EPA on March 24, 2009. The EPA approved the proposed additional investigation activities on December 3, 2009 that consisted of the installation and sampling of three new off-site groundwater monitoring wells. All work was completed during 2010, and the final report summarizing the field activities and analytical results for the OU-1/OU-2 Second Non-Residential Groundwater Investigation was submitted to the EPA on December 10, 2010. On May 16, 2011, P/S and the EPA met to discuss the results of the OU-1/OU-2 Second Non-Residential Groundwater Investigation and determine a path forward to resolve the remaining groundwater issues for OU-1/OU-2 and OU-4. Based on the discussions from this meeting, P/S agreed to review the available soil data from OU-1/OU-2 and OU-4, including areas where interim measures consisting of caps and/or covers have been installed, to identify representative locations for installing additional groundwater monitoring wells in OU-1/OU-2 and OU-4. P/S agreed to develop a work plan that includes this evaluation and a plan for installing any additional wells believed to be necessary to complete the Remedial Investigation/Feasibility Study. P/S anticipates submitting this work plan to the EPA for approval in early August 2011.

### **2.4 11<sup>th</sup> Street Ditch**

P/S will perform the next quarterly routine inspections as described in the 11<sup>th</sup> Street Ditch Operations and Maintenance Plan in the month of September 2011.

## 2.5 Operable Unit 3 (OU-3)

The Operable Unit 3 Remedial Investigation (RI) Report, Revision 1.0 was submitted to the EPA on March 24, 2009, and the OU-3 Feasibility Study (FS) Report was submitted on May 8, 2009. The EPA provided several sets of comments on these reports, and multiple conference calls and meetings were held between the EPA and P/S to discuss and resolve outstanding issues related to EPA's comments. These issues were resolved during a meeting held between the EPA, P/S and the Technical Special Master on March 26, 2010. As a result of this meeting, the EPA issued its final set of comments on the RI and FS Reports, which was received by P/S on April 21, 2010. P/S responded to these comments and submitted the revised RI Report, Revision 2.0, to the EPA on May 20, 2010 and the revised FS Report, Revision 1.0, on June 21, 2010. Approval from the EPA is pending.

As part of the resolution process, P/S agreed to collect additional characterization/confirmation samples within OU-3 and perform a limited removal action near sample location SSRI-11 to address principal threat waste material identified in that area. Work plans for these activities were submitted by P/S to the EPA on April 6, 2010, and the EPA issued its approval of these work plans on April 7, 2010. This work was completed in April and May 2010, and P/S submitted a summary of these efforts in two RI addenda reports submitted on May 20, 2010 and May 28, 2010. Approval from the EPA is pending.

The EPA issued the Proposed Remedial Action Plan (PRAP) for OU-3 identifying the Preferred Remedial Alternatives for this operable unit dated August 2010. The EPA held a public meeting on Monday, September 13, 2010 to present the PRAP and accepted public comments through October 31, 2010. Issuance of a ROD by the EPA memorializing final cleanup requirements for OU-3 is pending.

On May 5, 2011, P/S submitted a Removal Action Work Plan for addressing elevated levels of PCBs within OU-3 prior to conducting a Facility improvement project. On May 10, 2011, the EPA submitted comments and questions on the work plan which were addressed in a letter to the EPA from P/S dated May 11, 2011. The EPA approved the work plan on June 2, 2011. In June 2011, P/S completed the sampling portion of the Removal Action Work Plan. P/S will commence the Facility improvement project upon completion of the Removal Action activities.

P/S anticipates performing the Removal Action in August 2011. A report documenting the Removal Action and all sampling activities will be submitted to the EPA within 30 days of completion of the project.

## **2.6 Operable Unit 4 (OU-4)**

Revision No. 2 of the Phase 2 Field Sampling Plan for Operable Unit 4 (OU-4 Phase 2 FSP) was submitted to the EPA for approval on April 28, 2010 including the final Sediment Toxicity Testing Plan. Final EPA approval of the OU-4 Phase 2 FSP was received on April 29, 2010. All of the field investigations identified in the OU-4 Phase 2 FSP with the exception of the sediment toxicity testing program have been implemented based on EPA's prior approval of Revisions Nos. 0 and 1 to the OU-4 Phase 2 FSP. With the exception of data that will be generated during the in-laboratory portion of the sediment toxicity testing program, all data for samples collected under the OU-4 Phase 2 FSP have been submitted to the EPA. Data for the sediment toxicity and bioaccumulation testing program are further described below.

Phase 1a of the sediment toxicity and bioaccumulation testing program conducted by the United States Geological Survey (USGS) and the United States Army Corps of Engineers (USACE) was completed in December 2010. Phase 1b of the sediment toxicity and bioaccumulation program began in mid-January 2011, and the Phase 1b bioaccumulation testing began in early February 2011. The laboratory portion of the Phase 1b sediment toxicity and bioaccumulation tests were completed in March 2011. The Phase 1b bioaccumulation tests were completed in late April 2011. All of the chemical characterization data for the sediment samples used during Phase 1a and Phase 1b of the sediment toxicity and bioaccumulation testing program have been reported. This includes the PCB and lipid results for the *Lumbriculus* samples from the Phase 1b bioaccumulation testing that are presented in Table F-1 of Attachment F. The sediment toxicity laboratories are projecting completion of a draft report presenting the sediment toxicity and bioaccumulation data in late September 2011.

The OU-4 Phase 3 FSP was submitted to the EPA on October 15, 2010 and approved by the EPA on February 23, 2011. The process of obtaining property access for the OU-4 Phase 3 FSP floodplain soil sampling and evaluation of residential property use was initiated during the March 2011 reporting period and is ongoing. The floodplain soil sampling portion of the work is

scheduled for the first week in August 2011, and the residential use evaluation is scheduled for September 2011.

Attachment F also includes an updated polychlorinated dibenzo-p-dioxin and polychlorinated furan (PCDD/PCDF) results for one floodplain soil sample that was collected under the OU-4 Phase 2 FSP. The original result for sample C70831 was revised based on input provided by the analytical chemistry laboratory. The original data included the matrix spike result in lieu of the sample result. We have confirmed that this situation was limited to the single occurrence and the updated PCDD/PCDF data for this sample are provided in Table F-2.

## **2.7 Interim Measures**

On September 29, 2010, P/S submitted a Scope of Work to the EPA describing proposed support activities for the Alabama Department of Transportation (ALDOT) Interstate 20 (I-20) Bridge Expansion Project over Snow Creek. The EPA approved the Work Plan on October 1, 2010. This work, which includes excavation and capping of areas affected by ALDOT's proposed bridge replacement and widening of I-20 over Snow Creek, began in early November 2010 and is expected to continue through 2013. On April 19, 2011, P/S submitted the Interstate 20 Bridge Expansion Support Work Plan Addendum No. 1 for the jack and bore installation of two casings beneath the I-20 bridge expansion area for the Oxford Water Works and Sewer Board. The EPA approved the work plan addendum on April 27, 2011. The pre-characterization sampling activities were completed and casing installation commenced during May 2011. Installation of both casings was completed on June 24, 2011. A report summarizing these activities will be submitted to the EPA within sixty days of completion of construction and waste disposal.

## **2.8 Technical Assistance Plan Grant (TAPG)**

The Technical Advisor (TA), Mr. Bertrand Thomas, P.G., continues to review Site-related documents and convey information from these documents to the Community Advisory Group (CAG) and the community. Mr. Thomas' reports are posted on the West Anniston Foundation's web site.

## **2.9 Community Advisory Group (CAG)**

A regularly-scheduled CAG meeting was held on July 18, 2011. The meeting was open to the public to allow residents to observe the working session and comment or ask questions. Topics discussed by the CAG included:

- an update from EPA;
- an update of activities from P/S; and
- A presentation of the Interim Institutional Controls for Residential Properties from P/S.

The next CAG meeting is scheduled for September 19, 2011.

## **2.10 Anniston Community Education Foundation (ACEF)**

The ACEF continues to collaborate with community leaders, parents, educational foundations, religious entities, public schools and other civic organizations to assist in the process of improving the quality of education for children in the community.

### 3.0 WORK SCHEDULED

During the months of August and September 2011, the following work elements are anticipated:

- Obtain and/or process access for performing residential sampling activities according to the Supplemental Sampling and Analysis Plan (SSAP) and the Addendum to the NTC Removal Action Work Plans for the Site;
- Perform surface, depth, indoor dust and/or crawl space sampling of residential properties as access is provided (as necessary);
- Address action items identified by P/S, the EPA and/or the property owner/tenant for completed removal response properties (as necessary);
- Prepare the OU-1/OU-2 Residential Completion Report;
- Perform CSSMA inspection and maintenance requirements in accordance with the approved CSSMA Operating and Closure Plan;
- Perform SSSMA inspection and maintenance requirements in accordance with the approved SSSMA Operating and Closure Plan and the Interim Operations and Maintenance Plan;
- Prepare and submit a work plan for installing and monitoring additional groundwater wells for OU-1/OU-2 and OU-4;
- Perform 11<sup>th</sup> Street Ditch inspection and maintenance requirements in accordance with approved schedule;
- Implement the OU-3 Removal Action Work Plan for the Facility improvement project;
- Evaluate data generated under the sediment toxicity and bioaccumulation testing program;
- Schedule a status update meeting with the EPA human health risk assessment team;
- Prepare a comprehensive COPC evaluation table for OU-1/OU-2 and OU-4.
- Meet with the EPA ecological risk assessment team to discuss exposure point concentrations (EPCs), exposure units (EUs), and bioaccumulation factors for the baseline ecological risk assessment (BERA);
- Conduct property access outreach activities and implement the floodplain soil sampling and residential structure evaluations in accordance with the OU-4 Phase 3 FSP;
- Perform support activities for the I-20 Bridge Expansion Project in accordance with the approved Interstate 20 Bridge Expansion Support Work Plan and Addendum;

- Prepare and submit a report summarizing the activities completed for the I-20 Bridge Expansion Support Work Plan Addendum (casing installation for Oxford Water Works and Sewer Board);
- Respond to EPA comments, as necessary, on deliverables submitted to the EPA for approval;
- Continue to hold ACEF board meetings; and
- Continue regularly scheduled CAG meetings.

## **Tables**

**TABLE 1**  
**PARTIAL CONSENT DECREE SUBMITTAL SCHEDULE**  
**ANNISTON PCB SITE**  
*Anniston, Alabama*

**Administrative Issues**

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**Reports**

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Screening Level Ecological Risk Assessment (SLERA) for Operable Units 1, 2, and 3 of the Anniston PCB Site <sup>(1)</sup>	Submitted to EPA  <b>Partial Approval Granted</b>	January 9, 2006 (dated December 23, 2005) November 8, 2007
Central Staging and Soil Management Area (Former Miller Property) Final Closure Report <sup>(2)</sup>	Submitted to EPA  <b>Approval Pending</b>	July 11, 2006
Temporary Staging and Loading Area Completion Report <sup>(2)</sup>	Submitted to EPA  <b>Approval Pending</b>	January 11, 2007
NTC Removal Action - South Staging and Soil Management Area Interim Closure Report	Submitted to EPA  <b>Approval Pending</b>	May 7, 2010
Preliminary Site Characterization Summary Report for OU-1/OU-2 <sup>(3)</sup>	Submitted to EPA  <b>Approval Pending</b>	December 18, 2007
Report on OU-1/OU-2 Second Non-Residential Groundwater Investigation	Submitted to EPA  <b>Approval Pending</b>	December 10, 2010
Remedial Investigation Addendum - Area A Removal Action, Remedial Investigation and Feasibility Study for Operable Unit-3	Submitted to EPA  <b>Approval Pending</b>	May 20, 2010
Remedial Investigation Addendum - South Landfill Cap Assessment and West End Landfill Confirmation Sampling, Remedial Investigation and Feasibility Study for Operable Unit-3	Submitted to EPA  <b>Approval Pending</b>	May 28, 2010
Report on Remedial Investigation for Operable Unit 3 Rev 2.0	Submitted to EPA  <b>Approval Pending</b>	May 20, 2010
Operable Unit 3 Feasibility Study Report Rev 1.0	Submitted to EPA  <b>Approval Pending</b>	June 21, 2010
OU-4 Sediment Stability Technical Memorandum	Submitted to EPA  <b>Approval Pending</b>	June 30, 2010
Sediment Sampling for Debris Removal from Ditch Adjacent to Snow Creek, Anniston PCB Site, Anniston, Alabama	Submitted to EPA	June 30, 2011
June 2010 Progress Report	Submitted to EPA	July 8, 2011

**Work Plans**

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NTC Removal Action Supplemental Sampling and Analysis Plan Addendum 3	Submitted to EPA  <b>Approval Pending</b>	January 29, 2008
NTC Removal Action Amended Supplemental Sampling and Analysis Plan, Rev. 1.0	Submitted to EPA  <b>Approval Pending</b>	April 26, 2011
Removal Action Work Plan for Addressing Elevated Levels of PCBs within Operable Unit 3 (Facility Improvement Project), Anniston PCB Site, Anniston, Alabama	Submitted to EPA  <b>Comments Received</b> <b>Responses Submitted to EPA</b> <b>Approval Received</b>	May 5, 2011 May 10, 2011 May 11, 2011 June 2, 2011

**Notes:**

- <sup>(1)</sup> The approval for OU-1/OU-2 is contingent upon the results of the OU-4 Baseline Ecological Risk Assessment.  
<sup>(2)</sup> The approval is pending the completion of the Remedial Investigation/Feasibility Study process for OU-1/OU-2.  
<sup>(3)</sup> The approval is pending the completion of the Human Health Risk Assessment and the additional groundwater investigation.

**TABLE 2**

**RESIDENTIAL PROGRAM SUMMARY  
ANNISTON PCB SITE  
Anniston, Alabama**

<b>Residential Surface Sampling Program (Evaluation Areas 1-35)<sup>(1)</sup></b>	<b>July 2011</b>
No. of properties where access has been requested to surface sample	0
No. of properties where total access has been granted to surface sample	0
No. of properties surface sampled	0
No. of properties where validated analytical results were received	1
No. of properties with validated PCB surface results $\geq$ 1 ppm <sup>(4)</sup>	3
<b>Total no. of properties with PCB surface results <math>\geq</math> 1 ppm <sup>(2)</sup></b>	<b>21</b>
<b>Total no. of properties with PCB surface results <math>&lt;</math> 1 ppm <sup>(5)</sup></b>	<b>1229</b>

<b>Residential Removal Action Program (Evaluation Areas 1-35)<sup>(1)</sup></b>	<b>July 2011</b>
No. of properties where access has been requested for removal action activities	1
No. of properties where total access has been granted for removal action activities	1
No. of properties where depth, dust, crawlspace, and/or confirmatory samples were collected	6
No. of properties where validated analytical results were received	8
No. of properties where removal actions have been completed	0
No. of properties where removal actions are in progress	0
<b>Total no. of removal action properties Unsuitable for Removal</b>	<b>26</b>
<b>Total no. of removal action properties completed by Solutia (as part of AOC and CD)<sup>(3) (6)</sup></b>	<b>363</b>
<b>Total no. of <math>&gt;</math> 1 ppm PCBs removal action properties completed by EPA (confirmed)</b>	<b>7</b>

<b>Residential Surface Sampling Program (Special Use Properties - Evaluation Areas 1-35)</b>	<b>July 2011</b>
No. of properties where access has been requested to surface sample	0
No. of properties where total access has been granted to surface sample	0
No. of properties surface sampled	0
No. of properties where validated analytical results were received	0
No. of properties with validated PCB surface results $\geq$ 1 ppm in High Activity Areas	0
<b>Total no. of properties with PCB surface results <math>\geq</math> 1 ppm in High Activity Areas</b>	<b>1</b>
<b>Total no. of properties with PCB surface results <math>&lt;</math> 1 ppm in High Activity Areas</b>	<b>24</b>

<b>Residential Removal Action Program (Special Use Properties - Evaluation Areas 1-35)</b>	<b>July 2011</b>
No. of properties where access has been requested for removal action activities	0
No. of properties where total access has been granted for removal action activities	0
No. of properties where depth, and/or confirmatory samples were collected	0
No. of properties where validated analytical results were received	1
No. of properties where removal actions have been completed	0
No. of properties where removal actions are in progress	0
<b>Total no. of removal action properties completed by Solutia (as part of AOC and CD)</b>	<b>7</b>

**TABLE 2**  
**RESIDENTIAL PROGRAM SUMMARY**  
**ANNISTON PCB SITE**  
*Anniston, Alabama*

<b>Residential Removal Action Program (Lead Site AOC Zone A)</b>	<b>July 2011</b>
No. of properties where access has been requested for removal action activities	0
No. of properties where total access has been granted for removal action activities	0
No. of properties where depth, dust, crawlspace, and/or confirmatory samples were collected	0
No. of properties where validated analytical results were received	1
No. of properties transferred from the Foothills Community Partnership and/or EPA	0
No. of properties where removal actions have been completed	0
No. of properties where removal actions are in progress	0
<b>Total no. of properties with PCB surface results &lt; 1 ppm sampled by Solutia and/or EPA</b>	<b>440</b>
<b>Total no. of properties with PCB surface results ≥ 1 ppm and Lead &lt;400 ppm</b>	<b>4</b>
<b>Total no. of Special Use properties with PCB surface results ≥ 1 ppm and Lead &lt;400 ppm in High Activity Areas</b>	<b>0</b>
<b>Total no. of removal action properties completed by Solutia (as part of AOC and CD)</b>	<b>76</b>
<b>Total no. of removal action properties Unsuitable for Removal</b>	<b>3</b>

<b>Residential Removal Action Program (Lead Site AOC Zone B)</b>	<b>July 2011</b>
No. of properties where access has been requested for removal action activities	0
No. of properties where total access has been granted for removal action activities	0
No. of properties where depth, dust, crawlspace, and/or confirmatory samples were collected	4
No. of properties where validated analytical results were received	2
No. of properties transferred from the Foothills Community Partnership and/or EPA	0
No. of properties where removal actions have been completed	0
No. of properties where removal actions are in progress	0
<b>Total no. of properties with PCB surface results &lt; 1 ppm sampled by Solutia and/or EPA</b>	<b>525</b>
<b>Total no. of properties with PCB surface results ≥ 1 ppm and Lead &lt;400 ppm</b>	<b>8</b>
<b>Total no. of Special Use properties with PCB surface results ≥ 1 ppm and Lead &lt;400 ppm in High Activity Areas</b>	<b>0</b>
<b>Total no. of removal action properties completed by Solutia (as part of AOC and CD)</b>	<b>108</b>
<b>Total no. of removal action properties Unsuitable for Removal</b>	<b>6</b>

**Notes:**

- <sup>(1)</sup> Evaluation Areas 1 through 34 also represents the Lead Site AOC Zones C and D.
- <sup>(2)</sup> Includes properties surface sampled by EPA. Does not include completed removal properties or EPA Lead Site Appendix 6 properties.
- <sup>(3)</sup> This total includes 3 Appendix 6 properties within Evaluations Areas 1-35 where removals were completed by Solutia.
- <sup>(4)</sup> Surface sampling completed at the site of former structures and/or previously unsuitable area. Sampling and validation counts reported as part of the removal program.
- <sup>(5)</sup> Sampling completed at the footprint of the former structure on Parker St (11-22-01-11-1-9). Property included in the Unsuitable for Removal category based on previously validated data.
- <sup>(6)</sup> 2311 Jefferson Street, 2405 Jefferson Street, and 1100 Hunter Street were removed from this count because additional removals are required.

**TABLE 3**  
**RESIDENTIAL PROPERTIES SAMPLED**  
**ANNISTON PCB SITE**  
*Anniston, Alabama*

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**Evaluation Areas 1-35 Residential Removal Action Program**

509 W 13th St  
1100 Hunter St  
402 Hunter St  
2311 Jefferson St  
2405 Jefferson St  
W 10th St (11-22-01-12-01-3-1)

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**Zone B Residential Removal Action Program**

511 Cheryl Dr  
861 Old Coldwater Rd  
2540 Wilmer Ave  
2403 Wilmer Ave

TABLE 4

**PROPERTY STATUS FOR PROPERTIES WITH GREATER THAN 1 PPM PCBs RESULTS FOR SURFACE COMPOSITE  
SAMPLES IN EVALUATION AREAS 1-35  
ANNISTON PCB SITE  
Anniston, Alabama**

ADDRESS	EVALUATION AREA	GIS PARCEL ID	PROPERTY STATUS
<b>Residential Program</b>			
2311 Jefferson Street <sup>(1)(2)</sup>	13	3318	Depth Data Pending
1010 Pipe Street	16	1853	Non-Responsive
918 McDaniel Avenue	11	2217	Non-Responsive
2414 W Jefferson Street	13	3395	Non-Responsive
807 Bancroft Avenue	34	2443	Non-Responsive
510 Legrande Street	13	3070	On Hold
Ashley Street (11-22-01-12-03-1-36)	13	3109	On Hold
631 Roxie Avenue	9	7717	Owner Declined Access During Removal Initiation
2106 W. 10th Street	15	2128	Owner Declined Removal Access
608 Zinn Pkwy Drive	11	2755	Owner Declined Removal Access
916 McDaniel Avenue	11	2254	Owner Declined Removal Access
1627 W. 13th Street	21	1061	Owner Declined Removal Access
1204 Ferron Street	18	1372	Owner Not Found
Duncan Avenue (11-22-01-01-04-2-77) <sup>(1)</sup>	21	973	Owner Not Found
402 Hunter Street	31	3542	Owner Not Found
509 W. 13th Street	24	1136	Owner Not Found
716 Montrose Avenue <sup>(2)</sup>	11	2500	Owner Not Found
1100 Hunter Street <sup>(1)</sup>	33	1636	Removal Access In Progress
2405 Jefferson Street <sup>(2)</sup>	13	3315	Removal Access In Progress
1024 W. 15th Street	22	609	Removal Package Being Prepared
1207 Crawford Avenue	19	1308	Removal Package Being Prepared
<b>Special Use Program</b>			
W. 10th Street (11-22-01-12-01-3-1)	11	2113	Removal Package Being Prepared

## Notes:

<sup>(1)</sup> Portions of property are no longer unsuitable for removal<sup>(2)</sup> Property requires additional removal at the site of the former structure

**TABLE 5**

**PROPERTY STATUS FOR RESIDENTIAL PROPERTIES WITH GREATER THAN 1 PPM PCBs AND LESS THAN 400 PPM LEAD  
RESULTS FOR SURFACE COMPOSITE SAMPLES IN ZONE A  
ANNISTON PCB SITE  
Anniston, Alabama**

<b>ADDRESS</b>	<b>GIS PARCEL ID</b>	<b>PROPERTY STATUS</b>	<b>IDENTIFIED BY</b>
<b>Residential Program</b>			
124 W. 18th Street	207123	Owner Declined Access During Removal Initiation	EPA
2331 W. 13th Street	1099	Owner Declined Removal Access	Foothills Community Partnership
0 Golden Springs Road	533058	Owner Declined Removal Access	Foothills Community Partnership
Marshall Street (11-22-01-11-6-3)	2532	Removal Package Being Prepared	Foothills Community Partnership

**TABLE 6**

**PROPERTY STATUS FOR RESIDENTIAL PROPERTIES WITH GREATER THAN 1 PPM PCBs AND LESS THAN 400 PPM LEAD  
RESULTS FOR SURFACE COMPOSITE SAMPLES IN ZONE B  
ANNISTON PCB SITE  
Anniston, Alabama**

<b>ADDRESS</b>	<b>GIS PARCEL ID</b>	<b>PROPERTY STATUS</b>	<b>IDENTIFIED BY</b>
<b>Residential Program</b>			
861 Old Coldwater Road	213610	Depth Data Pending	Foothills Community Partnership
2540 Wilmer Avenue	204152	Depth Data Pending	Foothills Community Partnership
318 Glen Addie Avenue	3567	Non-Responsive	Foothills Community Partnership
511 Cheryl Drive	212735	Owner Declined Removal Access	Foothills Community Partnership
3002 Jefferson Street	3410	Owner Declined Removal Access	Foothills Community Partnership
2705 Wilmer Avenue	204090	Removal Access In Progress	Foothills Community Partnership
2403 Wilmer Avenue	204126	Removal Package Being Prepared	Foothills Community Partnership
605 S. Marshall Street	5039	Removal Package Being Prepared	Foothills Community Partnership

**Attachment A**  
**Residential Sampling Properties Analytical Results Update**

# RESIDENTIAL SAMPLING PROPERTIES ANALYTICAL RESULTS UPDATE

Anniston PCB Site  
Consent Decree

Sample Control ID	Sample Type	Sample Date	Yard	Soil Depth (in)	Screening (ppm)	Total PCBs (ppm)	Total Lead (ppm)
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**Evaluation Area: 33**

Parker St (11-22-01-11-1-9)

2025: 11-22-01-11-1-9, Eval. Area: 33, EPA Zone: C

2025-3A	Composite	2/20/2009	Misc/Side	0 - 3	-	1.1 J	95
2025-3A-X	Composite	2/20/2009	Misc/Side	0 - 3	-	1.3 J	110
2025-3B	Composite	2/20/2009	Misc/Side	0 - 3	-	0.47	89 J
2025-3C	Composite	2/20/2009	Misc/Side	0 - 3	-	0.39	67 J
2025-3D	Composite	2/20/2009	Misc/Side	0 - 3	-	0.29	59 J
2025-3E	Composite	2/20/2009	Misc/Side	0 - 3	-	0.2	51 J
2025-3F	Composite	2/20/2009	Misc/Side	0 - 3	-	0.37	72 J
2025-3G	Composite	2/20/2009	Misc/Side	0 - 3	-	0.752	110 J
2025-3H	Composite	2/20/2009	Misc/Side	0 - 3	-	0.51	55 J
2025-3I	Composite	6/7/2011	Demo	0 - 3	-	0.13	18 J

Legend: J = Estimated Value  
 JN = Estimated Value for Tentatively Identified Analyte  
 X = Duplicate Sample

**Attachment B**  
**Residential Removal Properties Access Update**  
**Evaluation Areas 1-35**

# RESIDENTIAL REMOVAL PROPERTIES ACCESS UPDATE - EVALUATION AREAS 1 - 35

Anniston PCB Site  
Consent Decree

Sampling Letter			Access Granted?	EPA Notified	Days Out
Sent	Signed For	Returned			

## Evaluation Area: 13

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2311 Jefferson St

3318: 11-22-01-12-03-1-28, Eval. Area: 13, EPA Zone: C

37133 > Owner	<span style="background-color: black; color: black;">[REDACTED]</span>	9/1/2006	9/1/2006	9/1/2006	<input checked="" type="checkbox"/>	--
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{Owner granted verbal access for removal per MCP 7/19/2011}

Yes    No    NA

**Attachment C**  
**Residential Removal Properties Analytical Results Update**  
**Evaluation Areas 1 – 35**

**RESIDENTIAL REMOVAL PROPERTIES ANALYTICAL RESULTS UPDATE EVALUATION AREAS 1 - 35**

Anniston PCB Site  
Consent Decree

Sample Control ID	Sample Type	Sample Date	Yard	Soil Depth (in)	Screening (ppm)	Total PCBs (ppm)	Total Lead (ppm)
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**Evaluation Area: 13**

2311 Jefferson St

3318: 11-22-01-12-03-1-28, Eval. Area: 13, EPA Zone: C

**Surface**

3318-3A	Composite	9/13/2006	Front	0 - 3	-	1.29	97
3318-3B	Composite	9/13/2006	Misc/Side	0 - 3	-	1.175	120
3318-3C	Composite	9/13/2006	Back	0 - 3	-	1.07	430
3318-3D	Composite	4/21/2009	P Unsuit	0 - 3	-	3.17 J	100 J
3318-3E	Composite	6/7/2011	Demo	0 - 3	-	1.48	47 J

**Depth**

3318-24A	Composite	1/18/2007	Front	12 - 24	-	< 0.082	-
3318-24B	Composite	1/18/2007	Misc/Side	12 - 24	-	< 0.084	-
3318-24C	Composite	1/18/2007	Back	12 - 24	-	< 0.081	14

**Crawlspace**

3318-CS	Composite	1/18/2007	Crawl Sp.	-	> 1, < 5	4.7	-
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**Dust**

3318-DU	Grab	2/15/2007	House	-	-	1.87 J	-
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2405 Jefferson St

3315: 11-22-01-12-03-1-27, Eval. Area: 13, EPA Zone: C

**Surface**

3315-3A	Composite	9/14/2005	Front	0 - 3	-	0.57 J	94
3315-3A-X	Composite	9/14/2005	Front	0 - 3	-	0.539 J	92
3315-3B	Composite	9/14/2005	Back	0 - 3	-	1.17 J	120
3315-3C	Composite	9/14/2005	Misc/Side	0 - 3	-	0.68 J	84
3315-3D	Composite	6/8/2011	Demo	0 - 3	-	0.43	75 J
3315-3E	Composite	6/8/2011	Demo	0 - 3	-	7.4 J	40 J
3315-3F	Composite	6/8/2011	Demo	0 - 3	-	2.76	57 J

**Depth**

3315-24B	Composite	11/30/2005	Back	12 - 24	-	0.325	-
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**Crawlspace**

3315-CS	Composite	11/30/2005	Crawl Sp.	-	< 1	0.37 J	-
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**Evaluation Area: 16**

1826 W 11th St

1754: 11-22-01-12-01-1-25.001 (Includes Parcel 1755), Eval. Area: 16, EPA Zone: C

**Surface**

1754-3A	Composite	10/11/2006	Front	0 - 3	-	0.84	99
1754-3B	Composite	10/11/2006	Back	0 - 3	-	17.4	360
1754-3C	Composite	10/11/2006	Misc/Side	0 - 3	-	0.172	57
1754-3D	Composite	8/22/2007	Misc/Side	0 - 3	< 1	0.38	31
1754-3E	Composite	6/8/2011	Demo	0 - 3	-	0.236	32 J
1754-3E-X	Composite	6/8/2011	Demo	0 - 3	-	0.263	39 J

Legend: CFS = Confirmatory Sample  
CFS2 = 2nd Confirmatory Sample  
X = Duplicate Sample

DU = Dust Sample  
J = Estimated Value

**RESIDENTIAL REMOVAL PROPERTIES ANALYTICAL RESULTS UPDATE EVALUATION AREAS 1 - 35**

Anniston PCB Site  
Consent Decree

Sample Control ID	Sample Type	Sample Date	Yard	Soil Depth (in)	Screening (ppm)	Total PCBs (ppm)	Total Lead (ppm)
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1826 W 11th St

1754: 11-22-01-12-01-1-25.001 (Includes Parcel 1755), Eval. Area: 16, EPA Zone: C

**Depth**

1754-24B	Composite	2/13/2007	Back	12 - 24	-	0.207 J	-
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**Evaluation Area: 22**

1024 W 15th St

609: 11-21-03-06-03-6-7, Eval. Area: 22, EPA Zone: C

**Surface**

609-3A	Composite	7/10/2007	All	0 - 3	> 1, < 10	1.62 J	150 J
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**Depth**

609-24A	Composite	6/8/2011	Front	12 - 24	-	0.46 J	-
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**Evaluation Area: 33**

1100 Hunter St

1636: 11-22-01-11-1-1, Eval. Area: 33, EPA Zone: C

**Surface**

1636-3A	Composite	8/22/2007	Misc/Side	0 - 3	-	1.37	580
1636-3B	Composite	8/22/2007	Misc/Side	0 - 3	-	0.39	170
1636-3C	Composite	8/22/2007	Misc/Side	0 - 3	-	0.96 J	94
1636-3D	Composite	8/22/2007	Back	0 - 3	-	1.84	140
1636-3E	Composite	8/22/2007	Back	0 - 3	-	0.171	44
1636-3E-X	Composite	8/22/2007	Back	0 - 3	-	0.206	41
1636-3F	Composite	8/22/2007	Back	0 - 3	-	0.19	31
1636-3G	Composite	6/7/2011	Demo	0 - 3	-	0.56	240 J
1636-3H	Composite	6/7/2011	P Unsuit	0 - 3	-	3.24	490 J

**Depth**

1636-24A	Composite	11/14/2007	Misc/Side	12 - 24	-	1.01	910
1636-24D	Composite	11/14/2007	Back	12 - 24	-	0.046 J	-
1636-36A	Composite	3/11/2008	Misc/Side	24 - 36	-	-	210 J

**Evaluation Area: 15**

923 Lehman Ave

2196: 11-22-01-12-02-3-27, Eval. Area: 15, EPA Zone: D

**Surface**

2196-3A	Composite	8/1/2007	Misc/Side	0 - 3	-	3.3	170
2196-3A-X	Composite	8/1/2007	Misc/Side	0 - 3	-	2.4	150
2196-3B	Composite	8/1/2007	Misc/Side	0 - 3	-	0.63 J	160
2196-3C	Composite	6/7/2011	Demo	0 - 3	-	< 0.38	480 J
2196-3C-X	Composite	6/7/2011	Demo	0 - 3	-	< 0.35	710 J

Legend: CFS = Confirmatory Sample  
CFS2 = 2nd Confirmatory Sample  
X = Duplicate Sample

DU = Dust Sample  
J = Estimated Value

**RESIDENTIAL REMOVAL PROPERTIES ANALYTICAL RESULTS UPDATE EVALUATION AREAS 1 - 35**

Anniston PCB Site  
Consent Decree

Sample Control ID	Sample Type	Sample Date	Yard	Soil Depth (in)	Screening (ppm)	Total PCBs (ppm)	Total Lead (ppm)
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923 Lehman Ave

2196: 11-22-01-12-02-3-27, Eval. Area: 15, EPA Zone: D

**Depth**

2196-24A	Composite	10/17/2007	Misc/Side	12 - 24	-	0.133	-
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**Crawlspace**

2196-CS	Grab	10/17/2007	Crawl Sp.	-	< 1	< 3.5	-
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**Evaluation Area: 16**

909 Pipe St

2173: 11-22-01-12-02-3-14, Eval. Area: 16, EPA Zone: D

**Surface**

2173-3C	Composite	6/7/2011	Demo	0 - 3	-	0.9 J	120 J
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**Depth**

2173-24B	Composite	9/14/2005	Back	12 - 24	-	0.042	-
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**Dust**

2173-DU	Grab	9/14/2005	House	-	-	0.79	-
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910 Pipe St

2146: 11-22-01-12-02-3-4, Eval. Area: 16, EPA Zone: D

**Surface**

2146-3A	Composite	9/13/2005	Front	0 - 3	-	1.2	250 J
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2146-3B	Composite	9/13/2005	Back	0 - 3	-	0.59	240 J
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2146-3C	Composite	6/7/2011	Demo	0 - 3	-	< 0.68	65
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**Depth**

2146-24A	Composite	12/15/2005	Front	12 - 24	-	< 0.079	-
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Legend: CFS = Confirmatory Sample  
CFS2 = 2nd Confirmatory Sample  
X = Duplicate Sample

DU = Dust Sample  
J = Estimated Value

**Attachment D**  
**Residential Removal Properties Analytical Results Update**  
**Zones A and B**

# RESIDENTIAL REMOVAL PROPERTIES ANALYTICAL RESULTS UPDATE - ZONES A AND B

Anniston PCB Site  
Consent Decree

Sample Control ID	Sample Type	Sample Date	Yard	Soil Depth (in)	Screening (ppm)	Total PCBs (ppm)	Total Lead (ppm)
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**EPA Zone: A**

Marshall St (11-22-01-11-6-3)

2532: 11-22-01-11-6-3, Eval. Area: -, EPA Zone: A

**Depth**

2532-24C	Composite	6/8/2011	Misc/Side	12 - 24	-	0.082	-
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**EPA Zone: B**

2403 Wilmer Ave

204126: 11-18-09-32-03-2-51, Eval. Area: -, EPA Zone: B

**Depth**

204126-24A	Composite	6/7/2011	Front	12 - 24	-	0.38 J	-
204126-24B	Composite	6/7/2011	Back	12 - 24	-	0.18	-

**Crawlspace**

204126-CS	Grab	6/7/2011	Crawl Sp.	-	-	4.1 J	-
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605 S Marshall St

5039: 11-22-06-14-1-45, Eval. Area: -, EPA Zone: B

**Depth**

5039-24C	Composite	6/8/2011	Misc/Side	12 - 24	-	0.307	-
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**Crawlspace**

5039-CS	Grab	6/8/2011	Crawl Sp.	-	> 5	9.84 J	-
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Legend: CFS = Confirmatory Sample  
CFS2 = 2nd Confirmatory Sample  
X = Duplicate Sample

DU = Dust Sample  
J = Estimated Value

**Attachment E**  
**Special Use Removal Properties Analytical Results Update**  
**Evaluation Areas 1 – 35**

# SPECIAL USE REMOVAL PROPERTIES ANALYTICAL RESULTS UPDATE EVALUATION AREAS 1 - 35

Anniston PCB Site  
Consent Decree

Sample Control ID	Sample Type	Sample Date	Yard	Soil Depth (in)	Screening (ppm)	Total PCBs (ppm)	Total Lead (ppm)
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**Evaluation Area: 11**

W 10th St (11-22-01-12-01-3-1)

2113: 11-22-01-12-01-3-1, Eval. Area: 11, EPA Zone: D

	2113-LA-3A	Composite	10/22/2008	Low Activity	0 - 3	-	1.34	91
	2113-LA-3B	Composite	10/22/2008	High Activity	0 - 3	-	3.38	190
<b>Depth</b>								
	2113-HA-24-B	Composite	6/8/2011	High Activity	12 - 24	-	< 0.29	-
<b>Crawlspace</b>								
	2113-CS	Grab	6/8/2011	Crawl Sp.	-	> 1, < 5	1.87	-

Legend: CFS = Confirmatory Sample  
CFS2 = 2nd Confirmatory Sample  
X = Duplicate Sample

DU = Dust Sample  
J = Estimated Value

**Attachment F**  
**OU-4 Phase 2 FSP Data**

Table F-1  
Lumbriculus Phase 1b Data

Monthly Report  
Anniston PCB Site, Anniston, AL

USACE ID	Sample Name	02					11					14				
		2-1	2-2	2-3	2-4	2-5	11-1	11-2	11-3	11-4	11-5	14-1	14-2	14-3	14-4	14-5
Correlated Sediment ID	Date Collected	X900202	X900202	X900202	X900202	X900202	X900211	X900211	X900211	X900211	X900211	X900214	X900214	X900214	X900214	X900214
Lipids	%	1.5	2.2	1.5	1.6	1.5	1.1	1.6	1.4	1.2	1.2	1.5	1.5	1.5	1.3	1.5
BZ#77	ug/kg	21	22 QJ	23	25	24	33	35	33	29	29	5.9 J	8.4	7.8	5.7 QJ	6.7 J
BZ#81	ug/kg	10 U	1.6 QJ	1.2 J	1.7 QJ	8.4 U	6.8 U	2.5 QJ	2.7 J	1.1 QJ	1.5 QJ	0.71 QJ	1.1 QJ	1.5 J	1.1 QJ	0.72 QJ
BZ#105	ug/kg	190	210	190	200	200	140	120	120	130	120	8.5	7.2	17	9.5	8.2
BZ#114	ug/kg	19 QJ	23	20	23	22	3.9 QJ	2.3 J	1.9 J	2.8 QJ	1.2 QJ	1.6 J	8	4.7 QJ	0.54 QJ	3 J
BZ#118	ug/kg	840	940	920	990	940	1500	1400	1300	1400	1300	290	320	280	270	300
BZ#123	ug/kg	17	17	15 QJ	18	15	6.8 U	34	26	28	45	6.3 QJ	4.7 J	9.1	6.4 J	6.9 QJ
BZ#126	ug/kg	10 U	11 U	7.2 U	9.3 U	8.4 U	0.75 QJ	6.6 U	6.6 U	5.8 U	13 U	6.5 U	6.6 U	6.7 U	6.6 U	7 U
BZ#153	ug/kg	850 J	920 J	910 J	1000 J	990 J	3300 J	3100 J	2900 J	3100 J	2900 J	2700 J	2800 J	2700 J	2600 J	2700 J
BZ#156	ug/kg	59 X	67 X	62 X	66 X	69 X	96 X	96 X	84 X	92 X	82 X	29 X	32 X	31 X	31 X	30 X
BZ#157	ug/kg	59 X	67 X	62 X	66 X	69 X	96 X	96 X	84 X	92 X	82 X	29 X	32 X	31 X	31 X	30 X
BZ#167	ug/kg	15 QJ	18	19	22	22	40	36	33	36	31	13	13 QJ	12	12	14
BZ#169	ug/kg	10 U	11 U	7.2 U	9.3 U	8.4 U	6.8 U	6.6 U	6.6 U	5.8 U	13 U	0.84 QJ	1.5 QJ	6.7 U	1.9 QJ	0.48 QJ
BZ#189	ug/kg	3.8 J	3.2 J	4.3 J	4.3 QJ	4.7 QJ	20	17	17	18	16	17	18	17	17	18
Total MonoCB	ug/kg	1000	1400	1400 QJ	1000 QJ	1400 QJ	600	2100	1300	990	410 QJ	390	710 QJ	490	530	360 QJ
Total DiCB	ug/kg	5000 QJ	7000 QJ	6200 QJ	5100 QJ	5400 QJ	3500 QJ	7200 QJ	5000 QJ	3900	2800 QJ	2300 QJ	2900 QJ	2400 QJ	2800 QJ	2300 QJ
Total TriCB	ug/kg	8800 QJ	11000 QJ	9500 QJ	9500 QJ	9000 QJ	13000 QJ	14000 QJ	12000 QJ	12000 QJ	11000 QJ	7900	8000 QJ	6200 QJ	7100 QJ	6500 QJ
Total TetraCB	ug/kg	11000 QJ	14000 QJ	13000 QJ	14000 QJ	13000 QJ	33000 QJ	31000 QJ	29000 QJ	30000 QJ	28000 QJ	23000 QJ	24000 QJ	19000 QJ	21000 QJ	21000 QJ
Total PeCB	ug/kg	13000 QJ	14000 QJ	14000 QJ	16000 QJ	14000 QJ	38000 QJ	35000 QJ	32000	34000 QJ	33000 QJ	26000 QJ	27000 QJ	24000 QJ	24000 QJ	26000 QJ
Total HxCB	ug/kg	10000 QJ	11000 QJ	11000 QJ	13000 QJ	11000 QJ	40000 QJ	37000 QJ	34000 QJ	37000 QJ	34000 QJ	37000 QJ	39000 QJ	37000 QJ	37000 QJ	38000 QJ
Total HpCB	ug/kg	3700 QJ	3900 QJ	4100 QJ	4700 QJ	4400 QJ	16000 QJ	15000 QJ	14000 QJ	16000 QJ	14000 QJ	20000 QJ	21000 QJ	19000 QJ	19000 QJ	19000 QJ
Total OctaCB	ug/kg	680 QJ	710 QJ	700 QJ	810	800 QJ	2800	2500	2500	2700	2500	3300	3300	3200	3300	3400
Total NonaCB	ug/kg	170	160	150	180	200	620	580	600	630	580	580	610	600	650	660
DecaCB	ug/kg	28	25	24	26	35	76	68	120	77	69	81	84	85	88	96
Total Homolog PCB	ug/kg	53000	63000	60000	64000	59000	150000	140000	130000	140000	130000	120000	130000	110000	120000	120000

Table F-1  
Lumbriculus Phase 1b Data

Monthly Report  
Anniston PCB Site, Anniston, AL

USACE ID	Sample Name	16					23					24				
		16-1	16-2	16-3	16-4	16-5	23-1	23-2	23-3	23-4	23-5	24-1	24-2	24-3	24-4	24-5
Correlated Sediment ID	Date Collected	X900216 4/28/2011	X900216 4/28/2011	X900216 4/28/2011	X900216 4/28/2011	X900216 4/28/2011	X900223 4/28/2011	X900223 4/28/2011	X900223 4/28/2011	X900223 4/28/2011	X900223 4/28/2011	X900224 4/28/2011	X900224 4/28/2011	X900224 4/28/2011	X900224 4/28/2011	X900224 4/28/2011
Lipids	%	1.2	1.5	1.8	1.7	1.5	1.8	1.4	1.7	1.8	2.4	0.99	1.4	1.3	1.8	1.5
BZ#77	ug/kg	0.57	0.54	0.53	0.58	0.52 QJ	5.2	4.7	5.9	4.8	4.7	8.7	9.1	8.2	8.8	9.4
BZ#81	ug/kg	0.092 QJ	0.058 QJ	0.063 J	0.036 QJ	0.043 QJ	2.6 U	3.8 U	4.3 U	4.3 U	4.5 U	0.37 QJ	0.42 QJ	0.29 QJ	0.29 QJ	0.26 QJ
BZ#105	ug/kg	9.6	8.8	8.5	9.2	9.7	60	60	71	57	59	120	110	110	110	110
BZ#114	ug/kg	0.64 QJ	0.65	0.54 QJ	0.58	0.31 QJ	1.7 J	2.8 J	7.3 QJ	4.3 U	1.9 J	8.5	7.6	7.2	7.7	8.1
BZ#118	ug/kg	27	27	23	26	26	270	290	330	250	250	360	330	330	330	330
BZ#123	ug/kg	0.52	0.3 QJ	0.53	0.55	0.59	4.7	3.6 QJ	5.9 QJ	5.4	5.5	3.8 QJ	4.5 QJ	5.5	6	5.3 QJ
BZ#126	ug/kg	0.056 QJ	0.066 QJ	0.062 QJ	0.044 QJ	0.47 U	2.6 U	3.8 U	0.37 QJ	4.3 U	4.5 U	0.49 QJ	0.49 QJ	0.49 QJ	0.31 QJ	0.33 QJ
BZ#153	ug/kg	89 J	79 J	79 J	86 J	88 J	450 J	420 J	510 J	420 J	430 J	440 J	390 J	380 J	360 J	410 J
BZ#156	ug/kg	4.5 X	4.1 X	4.1 X	3.9 X	4.4 X	24 X	22 X	26 X	22 X	23 X	42 X	39 X	38 X	37 X	39 X
BZ#157	ug/kg	4.5 X	4.1 X	4.1 X	3.9 X	4.4 X	24 X	22 X	26 X	22 X	23 X	42 X	39 X	38 X	37 X	39 X
BZ#167	ug/kg	1.2	1.1	1.1	1	1.1	8.4	7.6	8.7	7.4	8.8	12	10	9.2	9.5	10
BZ#169	ug/kg	0.5 U	0.075 J	0.49 U	0.49 U	0.47 U	2.6 U	3.8 U	4.3 U	4.3 U	4.5 U	1.7 U	0.33 QJ	0.27 QJ	0.38 QJ	0.13 QJ
BZ#189	ug/kg	0.54	0.51 J	0.55	0.48 QJ	0.57	2.8	2.2 J	2.7 J	2.3 J	2 QJ	3.6	3.1	3	2.7	3.3
Total MonoCB	ug/kg	2.5 QJ	0.9 QJ	2.3 QJ	0.8 QJ	0.8 QJ	270	360 QJ	480	290 QJ	250	36	4.1 QJ	9.1 QJ	11	7.3 QJ
Total DiCB	ug/kg	19 QJ	12 QJ	15 QJ	10 QJ	9.7 QJ	1600 QJ	1800 QJ	2400 QJ	1500 QJ	1500 QJ	260 QJ	84 QJ	81 QJ	110 QJ	110 QJ
Total TriCB	ug/kg	72 QJ	63 QJ	65 QJ	58 QJ	57 QJ	2600 QJ	2600 QJ	3200 QJ	2400 QJ	2300 QJ	620 QJ	340 QJ	290 QJ	370 QJ	430 QJ
Total TetraCB	ug/kg	390 QJ	340 QJ	350 QJ	350 QJ	350 QJ	4000 QJ	3900 QJ	4600 QJ	3700	3700 QJ	1700 QJ	1200 QJ	1100 QJ	1200 QJ	1400 QJ
Total PeCB	ug/kg	520 QJ	480 QJ	480 QJ	500 QJ	520 QJ	5100 QJ	4800 QJ	5800 QJ	4600 QJ	4500 QJ	2800 QJ	2300 QJ	2300 QJ	2300 QJ	2400 QJ
Total HxCB	ug/kg	640 QJ	550 QJ	560 QJ	620 QJ	640 QJ	4900 QJ	4700 QJ	5400 QJ	4500 QJ	4400 QJ	2600 QJ	2200 QJ	2100 QJ	2000 QJ	2300 QJ
Total HpCB	ug/kg	280	260 QJ	250 QJ	280 QJ	290 QJ	2300 QJ	2200 QJ	2400 QJ	2200 QJ	2100 QJ	1100 QJ	860 QJ	870 QJ	860 QJ	940 QJ
Total OctaCB	ug/kg	89	80	80	88 QJ	91	530 QJ	460	510	490 QJ	510	410 QJ	370	370 QJ	380	380
Total NonaCB	ug/kg	23	20	20	22	23	130	120	130	140	140	140	130	130	130	130
DecaCB	ug/kg	5.9	5.4	5.1	5.8	5.8	22	19	19	24	24	39	40	41	45	40
Total Homolog PCB	ug/kg	2000	1800	1800	1900	2000	21000	21000	25000	20000	19000	9700	7500	7300	7400	8100

Table F-1  
Lumbriculus Phase 1b Data

Monthly Report  
Anniston PCB Site, Anniston, AL

USACE ID	Sample Name	29					33					Not Exposed				
		29-1	29-2	29-3	29-4	29-5	33-1	33-2	33-3	33-4	33-5	INITIAL 1	INITIAL 2	INITIAL 3	INITIAL 4	INITIAL 5
Correlated Sediment ID	Date Collected	X900229 4/29/2011	X900229 4/29/2011	X900229 4/29/2011	X900229 4/29/2011	X900229 4/29/2011	X900233 4/29/2011	X900233 4/29/2011	X900233 4/29/2011	X900233 4/29/2011	X900233 4/29/2011	NA 3/30/2011	NA 3/30/2011	NA 3/30/2011	NA 3/30/2011	NA 3/30/2011
Lipids	%	1.4	1.5	0.98	1.2	1.3	0.74	1.7	1	1.1	1.3	2	1.7	1.7	1.1	1.5
BZ#77	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
BZ#81	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
BZ#105	ug/kg	0.08 QJ	0.12 J	0.094 QJ	0.19 J	0.16 J	1.5 U	0.072 J	0.032 QJ	0.039 QJ	0.036 QJ	0.084 J	0.1 J	0.11 J	0.091 J	0.074 QJ
BZ#114	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
BZ#118	ug/kg	0.39	0.42	0.56	0.72	0.47	0.37 J	0.42	0.24 QJ	0.26 J	0.27 J	0.37	0.42	0.45	0.41	0.37 QJ
BZ#123	ug/kg	0.38 U	0.38 U	0.34 U	0.021 J	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
BZ#126	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
BZ#153	ug/kg	1.1 J	0.96 J	1.6 J	1.6 J	1.2 J	0.76 J	1 J	0.7 J	0.57 J	0.6 J	0.71 J	0.71 J	0.82 J	0.7 J	0.75 J
BZ#156	ug/kg	0.043 X	0.038 X	0.34 U	0.075 X	0.074 X	1.5 U	0.036 X	0.024 X	0.36 U	0.35 U	0.026 X	0.027 X	0.024 X	0.024 X	0.033 X
BZ#157	ug/kg	0.043 X	0.038 X	0.34 U	0.075 X	0.074 X	1.5 U	0.036 X	0.024 X	0.36 U	0.35 U	0.026 X	0.027 X	0.024 X	0.024 X	0.033 X
BZ#167	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.013 QJ	0.2 U	0.19 U	0.19 U	0.2 U
BZ#169	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
BZ#189	ug/kg	0.38 U	0.38 U	0.34 U	0.37 U	0.45 U	1.5 U	0.33 U	0.27 U	0.36 U	0.35 U	0.21 U	0.2 U	0.19 U	0.19 U	0.2 U
Total MonoCB	ug/kg	1.2	0.28 J	1.3	1.6	1.1	0.26 QJ	0.79 QJ	0.69 QJ	0.82	0.23 QJ	0.21 U	0.0069 J	0.19 U	0.19 U	0.2 U
Total DiCB	ug/kg	5.2 QJ	1.9 QJ	7.1 QJ	6.9 QJ	4.2 QJ	2.7 QJ	4.4 QJ	3.6 QJ	4.1 QJ	2.1 QJ	0.14 QJ	0.18 QJ	0.12 QJ	0.069 QJ	0.064 QJ
Total TriCB	ug/kg	3.6	1.9 QJ	5.8 QJ	5.9 QJ	2.6 QJ	2.7 QJ	4.4 QJ	2.8 QJ	2.8 QJ	2.2 QJ	0.21 QJ	0.2 QJ	0.26 QJ	0.2 QJ	0.19 QJ
Total TetraCB	ug/kg	3.6 QJ	2.3 QJ	4.9 QJ	6.4 QJ	2.7 QJ	3.8 QJ	5.5 QJ	3.3 QJ	2.9 QJ	2.8 QJ	1.1 QJ	1.2 QJ	1.4 QJ	1.2 QJ	1.2 QJ
Total PeCB	ug/kg	4.5 QJ	3.5 QJ	5.8 QJ	8.2 QJ	4 QJ	3.9 QJ	6.8 QJ	3.8 QJ	2.7 QJ	3 QJ	2.1 QJ	2.4 QJ	2.5 QJ	2.2 QJ	2.1 QJ
Total HxCB	ug/kg	5.8 QJ	4.6 QJ	8.8 QJ	9.1 QJ	5.6 QJ	4.7 QJ	7.5 QJ	4.1 QJ	3.2 QJ	3.6 QJ	2.3 QJ	2.3 QJ	2.8 QJ	2.2 QJ	2.4 QJ
Total HpCB	ug/kg	3 QJ	2.3 QJ	5.3 QJ	4.6 QJ	3.1 QJ	1.7 QJ	3.8 QJ	1.7 QJ	1.4 QJ	1.5 QJ	0.42 QJ	0.44 QJ	0.58 QJ	0.4 QJ	0.5 QJ
Total OctaCB	ug/kg	1.1 QJ	1 QJ	1.9 QJ	2 QJ	1.5 QJ	0.12 QJ	0.96 QJ	0.42 QJ	0.34 QJ	0.37 QJ	0.1 J	0.057 QJ	0.13 QJ	0.13 QJ	0.11 QJ
Total NonaCB	ug/kg	0.82 QJ	0.65 QJ	1.1	1.2 QJ	1 QJ	0.18 QJ	0.31 QJ	0.17 QJ	0.16 QJ	0.1 J	0.077 QJ	0.04 J	0.1 J	0.041 QJ	0.086 QJ
DecaCB	ug/kg	0.44 QJ	0.41 QJ	0.52	0.75	0.69	0.063 QJ	0.089 QJ	0.055 QJ	0.07 J	0.056 QJ	0.059 J	0.049 QJ	0.046 QJ	0.045 QJ	0.067 QJ
Total Homolog PCB	ug/kg	29	19	43	47	26	20	35	21	18	16	6.5	6.9	7.9	6.5	6.7

Table F-2  
 OU-4 Phase 2 Soil

Monthly Report  
 Anniston PCB Site, Anniston, AL

Location ID	C2N-27	
Sample ID	C70831	
Date Collected	19-Feb-09	
Analyte	Result Value	Result Qualifiers
2,3,7,8-TCDD	0.167	U
1,2,3,7,8-PeCDD	0.269	U
1,2,3,4,7,8-HxCDD	0.487	
1,2,3,6,7,8-HxCDD	1.27	UXA
1,2,3,7,8,9-HxCDD	1.52	
1,2,3,4,6,7,8-HpCDD	41.2	
Total Tetra CDD	0.219	
Total Penta CDD	1.89	UXA
Total Hexa CDD	2.01	
Total Hepta CDD	98.7	
Octa CDD	1980	
2,3,7,8-TCDF	3.47	
1,2,3,7,8-PeCDF	1.74	
2,3,4,7,8-PeCDF	1.96	
1,2,3,4,7,8-HxCDF	2.88	
1,2,3,6,7,8-HxCDF	1.89	UXB
1,2,3,7,8,9-HxCDF	0.206	U
2,3,4,6,7,8-HxCDF	0.443	UXA
1,2,3,4,6,7,8-HpCDF	6.91	UXA
1,2,3,4,7,8,9-HpCDF	1.06	
Total Tetra CDF	34.5	
Total Penta CDF	25.8	
Total Hexa CDF	23.3	
Total Hepta CDF	9.5	
Octa CDF	14.6	

**Attachment F**  
**Table Notes**

**Anniston PCB Site, Anniston, AL**

1. Total PCBs – calculated as the sum of the detected analytes (non–detects considered 0)
2. Soil data are reported on a dry weight basis
3. Biota data (*Lumbriculus*) are reported uncorrected for moisture or lipids

Data qualifiers

J	estimated value
U	analyte was analyzed for and not detected above the given reporting limit
UXA	estimated maximum possible concentration (EMPC) / peak does not meet ratio identification criteria, report as non–detect
	EMPC / DPE - estimated maximum possible concentration / diphenylether interference. Reported result for
UXB	dibenzofuran considered non-detect.
UY	analyte was analyzed for and not detected above the given reporting limit/peak is outside of expected retention time window (from internal standard), identification is uncertain
Q	chromatographic data that does not meet all the qualitative criteria for a positive identification given in the method
X	chromatographically unresolved congeners

Abbreviations

BZ	Ballschmitter–Zell designation for PCB congeners
CB	chlorinated biphenyl
CDD	chlorinated dibenzo–p–dioxin
CDF	chlorinated dibenzofuran
Hp	hepta
Hx	hexa
PCB	polychlorinated biphenyl
Pe	penta
T (CDD)	tetra

Units

kg	kilogram
mg	milligram
ng	nanogram
ug	microgram
%	percent