TENNIS COURT AND PARKING AREA
INTERIM MEASURES REPORT

OXFORD LAKE SOFTBALL COMPLEX
Anniston, Alabama

May 30, 2003

Prepared for:

ALABAMA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
Coliseum Boulevard
Montgomery, Alabama 36110

Prepared by:

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

CONTENTS

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

This Interim Measures Report has been prepared pursuant to the requirements of Condition III.F.3.b of the Alabama Hazardous Wastes Management and Minimization Act (AHWMMA) Post Closure and Corrective Action Permit for the Solutia Inc. (Solutia) Facility (the facility) located in Anniston, Alabama (RCRA Permit # ALD 004 019 048). It summarizes the details of interim measures that were completed at the Oxford Lake Softball Complex (the Complex), specifically, the construction of the tennis courts and an adjacent parking lot during the period of April through October 2002.

These measures were proposed by Solutia to contain and cover portions of the Complex located within the 100-year floodplain of Snow Creek**.** The details of the Interim Measures were provided in a *RCRA Facility Investigation Results And Interim Measures Plan, Oxford Lake Softball Complex, West Area (February 6, 2002)* (Work Plan) that was submitted to the Alabama Department of Environmental Management (ADEM) and United States Environmental Protection Agency (USEPA) on February 6, 2002**.** A Public Availability Session was convened on March 21, 2002 at the Oxford Civic Center to allow the public an opportunity to comment on the proposed Work Plan. The Interim Measures were completed in accordance with the Work Plan. Solutia maintains the documentation of the project at its Anniston, AL facility.

The Complex is a city-owned community recreational area located in Oxford, Alabama (Figure 1). There are several areas at the Complex including an athletic field area consisting of four ballfields in the eastern portion of the site, an adjacent parking lot described in Roux Associates, Inc.'s September 18, 2002 *Parking Lot Multi-Layer Cover Interim Measures Report,* an open area located in the western portion adjacent to Snow Creek, and the new tennis court complex (the subject of this report) located north and west of Recreation Drive. The new tennis court complex is comprised of eight, regulation-sized tennis courts, an adjacent parking lot and a small utility building over a footprint of approximately 2 acres.

Information obtained during Solutia's Phase I Off-Site Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) indicated that there was a potential for polychlorinated biphenyls (PCBs) to have been deposited in the Snow Creek floodplain at the Complex. The interim measures proposed for the Tennis Court Complex included a permanent multi-layer cover consisting of a geotextile marker layer, clean imported fill and asphalt or landscaped soil.

2.0 INTERIM MEASURES

This section describes the interim measures completed at the Oxford Lake Tennis Court Complex. Figure 2 shows the Construction Plan for the area. Prior to implementing the removal action, Solutia submitted a request to ADEM to include the proposed construction activities under its existing National Pollutant Discharge Elimination System (NPDES) General Permit ALG610000 (ALR105784) previously obtained for the ball field excavation work. In correspondence dated April 12, 2002, ADEM approved the extension of the above-referenced permit to cover the proposed construction activities. Solutia met all the permit requirements throughout the construction program.

2.1 Excavated Soil Sampling

During the completion of the tennis courts, minor soil excavations were performed to facilitate the installation of the light and tennis net posts. The soil was stockpiled and sampled for PCBs to characterize the excavated material for disposal, if necessary. A detailed sampling report is provided in Appendix A.

A total of four soil stockpiles were generated during the construction of the tennis courts and adjacent parking lot. One composite sample was collected from each stockpile (OLTC-SP-1 through OLTC-SP-4). Five grab samples (OLWL-1 through OLWL-4, and OLSL-4) were collected from areas designated for utility lines. All soil samples were collected with stainless steel spoons and composited prior to placement into a clean sample jar. Soil samples were field screened for PCBs using USEPA method 4020. All samples with results greater than 1 ppm were submitted to STL Savannah Laboratories for PCB analysis by USEPA method 8082. Summaries of the PCB analytical results for the soil samples are presented on Table 1. The stockpiled soil samples results indicated that all PCB concentrations were less than 50 milligrams per kilogram. The soil stockpiles were subsequently used to increase the elevation of the construction base and to increase compaction capabilities. All soils disturbed during the construction of the tennis court complex are covered by the mulitlayer asphalt tennis court and parking area.

2.2 Tennis Court Multi-Layer Asphalt Cover

Prior to construction of the multi-layer asphalt cover, a subbase embankment for the tennis courts was constructed on the pre-existing undisturbed soil surface to raise the existing grade to the design grade. The existing subbase in the construction area was cleared, stabilized with a Portland cement, compacted and covered with a geotextile marker layer. Portland cement was applied to the footprint of the tennis court area and incorporated into the subgrade to a minimum depth of 6 inches using tilling equipment. Water was applied to hydrate the cement. The subgrade was then compacted with rollers. Upon completion of the compaction, a 14-ounce, non-woven geotextile fabric covered by a minimum of 8 inches of structural fill from a local source was placed on the stabilized subgrade. The structural fill was compacted with rollers. A minimum of 4 inches of crushed aggregate base course was placed over the structural fill, graded and compacted. The tennis courts were finished with a 1.5-inch compacted asphalt leveling course layer and a minimum 1-inch asphalt compacted surface course layer. The tennis courts were sealed with an acrylic sealant to prevent cracking of the surface and coated with dark green, fortified plexipave paint.

The courts were finished with painted white lines and nets. A 10-foot high vinyl-coated chainlink fence was constructed around the perimeter with access gates to the courts oriented along the center walkway between the courts. Light standards were installed at the four corners and either end of the center walkway.

2.3 Access Ways

A public access road was constructed connecting the tennis court parking lot to Recreation Drive. A non-woven geotextile fabric was placed over the subbase and covered with a minimum of 9 inches of crushed aggregate base course. The aggregate was compacted with a smooth drum roller. A two-layer asphalt covering consisting of a 2-inch compacted asphalt binder base overlain by a 1-inch compacted asphalt surface course was subsequently constructed.

A crushed-stone utility access roadway was also constructed to provide access for maintenance of the light standards surrounding the west side of the tennis courts. The entrance to this utility roadway is directly off of Recreation Drive.

2.4 Multi-Layer Asphalt Parking Area Cover

The existing subbase in the parking lot construction area was cleared, stabilized with a Portland cement, compacted and covered with a geotextile marker layer. Portland cement was applied to the footprint of the area and incorporated into the subgrade to a minimum depth of 6 inches using tilling equipment. Water was applied to hydrate the cement. The subgrade was then compacted with rollers. Upon completion of the compaction, a 14-ounce, non-woven geotextile fabric covered by a minimum of 9 inches of crushed aggregate base course was installed. The aggregate was compacted with a smooth drum roller. A two-layer asphalt covering consisting of a 2-inch compacted asphalt binder base overlain by a 1-inch compacted asphalt surface course was subsequently constructed.

A permanent masonry building that includes a storage area and two restrooms was constructed in the northwest corner of the parking area. The restrooms are connected to public water and sanitary sewer. The surface finish surrounding the building is a combination of asphalt (northside) and concrete (west). A 12-inch flower bed was constructed of decorative stone around the south and east portions of the building. An access ramp for persons with disabilities was constructed at the southern entrance to the building area.

The vegetated soil cover area in the center of the parking lot (Figure 2) consists of a non-woven geotextile marker layer topped with a minimum of 9 inches of clean soil.

3.0 INSPECTION AND MAINTENANCE

Inspection and maintenance of the tennis court complex interim measures will be performed in accordance with provisions of Solutia Inc.'s *Comprehensive Operations and Maintenance Plan for Remedial/Corrective Action Projects* (Revision 2.0, April 2003). Inspection and maintenance requirements for all of the interim measures completed at the Oxford Lake Complex are stipulated in Section 8.1 of the referenced Plan. Plan provisions call for inspections semi-annually and after significant storm events. Items to be inspected at the Tennis Court Complex include the asphalt covers and soil covered areas. Repairs are to be performed to any deficient items observed during routine inspections or identified at other times. A copy of the Operation and Maintenance Inspection Log for the Oxford Lake Complex is provided in Appendix B.

Table 1. Analytical Results of Soil Samples, Oxford Lake Tennis Courts Complex. Solutia, Inc.; Anniston, Alabama.

Sample ID	Date Sampled	Screening Level	Dry Weight %	Polychlorinated Biphenyls (mg/kg dw) USEPA Method 8082								
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	**Total PCBs**
OLTC-SP-1	**5/13/02**	**>50**	**89**	<0.37	<0.75	>0.37	<0.37	1.4	5.7	4.0	1.2	**12.3**
OLTC-SP-2	**5/13/02**	**>50**	**87**	<0.38	<0.77	<0.38	<0.38	1.0	4.5	3.4	1.1	**10.0**
OLTC-SP-3	**6/6/02**	**>1**	**88**	<0.038	<0.076	<0.038	<0.038	2.1	6.0	4.3	1.2	**13.6**
OLTC-SP-4	**6/20/02**	**>50**	**87**	<0.38	<0.77	<0.38	<0.38	0.97	4.1	2.6	<0.38	**7.7**
OLWL-1	**10/9/02**	**<1**										
OLWL-2	**10/9/02**	**<1**										
OLWL-3	**10/9/02**	**>1**	**91**	<0.036	<0.074	<0.036	<0.036	0.038 J	0.22	0.26	0.070	**0.59 J**
OLWL-4	**10/9/02**	**<1**	**85**	<0.039	<0.079	<0.039	<0.039	<0.039	0.079 J	0.16	<0.039	**0.24 J**
OLSL-4	**10/9/02**	**>50**										
OLTC-FD-1	**4/4/02**	**<1**										
OLTC-FD-2	**5/13/02**	**<1**										

FOOTNOTES:

mg/kg dw - milligrams per kilogram dry weight

<- Analyte was not detected at or above the indicated concentration

J - Value has been qualified as estimated.

NA - Not analyzed.

APPENDIX A

GENESIS PROJECT, INC.
SAMPLING REPORT - FEBRUARY 13, 2003

Memo

To: Craig Branchfield, Solutia

From: Michael Price, Genesis Project, Inc.

CC: John Loper, The Loper Group, Inc. February 13, 2003

Date: Re: Oxford Lakes Tennis Courts; Oxford, Alabama

Between May and October of 2002, Genesis Project, Inc. conducted four soil sampling events involving the construction of Tennis Courts and an adjacent parking lot near Recreation Drive in Oxford, Alabama. During the completion of this project, minor soil excavations involving potentially PCB-impacted soil were performed. The purpose of these assessments was to determine the concentrations of PCBs, if any, in the excavated material. The results of the assessments were then used to characterize the excavated material for disposal.

Additionally, assessments were also conducted on April 4, 2002 and May 13,2002 on soil used as cover and fill in order to ensure the soil was free of PCB contamination.

Sampling Procedures

Between May and June 2002 a total of four excavated soil stockpiles were generated. Due to the relatively small volume of soil, only one composite soil sample was collected from each stockpile. Each composite sample (OLTC-SP-1, OLTC-SP-2, OLTC-SP-3, and OLTC-SP-4) was made up of a representative number of randomly selected aliquots collected from each respective soil stockpile.

In April and May 2002, additional composite samples (OLTC-FD-1 and OLTC-FD-2) were collected from on site stockpiles of fill material provided by Miller Sand and Gravel.

In October 2002 five grab samples (OLWL-1 through OLWL-4 and OLSL-4) were collected in an area designated for a public utility lines. Using a stainless steel hand auger, these samples were collected prior to excavation from five locations within the boundaries of the proposed area of excavation. A site map depicting the site location and approximate extent of the construction area is presented as Figure 1.

All soil samples were collected utilizing a stainless steel spoon and thoroughly mixed in a stainless steel bowl before being placed into a certified clean sample jar.

Soil Sample Analyses

All excavated soil composite samples (OLTC-SP-lthrough OLTC-SP-4) as well as all grab soil samples (OLWL-l through OLWL-4 and OLSL-4) were field screened for PCBs by USEPA Method 4020. Following a review of the field screening data, all samples with screening results> 1 ppm PCB's were submitted to STL Savannah Laboratories for PCB analysis by USEP A Method 8082. However due to a mix-up in the field, sample OL WL-4 was inadvertently submitted to the laboratory instead of OLSL-4. In general, the laboratory results confirmed the field screening results. A copy of the laboratory results is included in Attachment 1.

Soil samples OLTC-FD-l and OLTC-FD-2 were also field screened for PCBs by USEPA Method 4020. Both samples field screened less than 1 ppm PCBs. These samples were not submitted to the laboratory for further analysis. A sumrilary of the laboratory analytical results as well as the screening data is presented in Table 1.

SEVERN TRENT STL

STL Savannah • 5102 LaRoche Avenue • Savannah, GA 31404 • Tel 912 354 7858 • Fax 912 351 3673 • www.stl-inc.com

LOG NO: S2-47348
Received: 11 OCT 02
Reported: 22 OCT 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Requisition: V#203708
Contract No.: S7219
CC: Jerry Hopper
Project: OXFORD LAKES TENNIS COURTS
Sampled By: Client
Code: 13563017

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
47348-1	OLWL-3 0-2'	10-09-02/07:30
47348-2	OLWL-4 0-2'	10-09-02/07:55

PARAMETER	47348-1	47348-2
PCB's (8082)		
Aroclor-1016, ug/kg dw	<36	<39
Aroclor-1221, ug/kg dw	<74	<79
Aroclor-1232, ug/kg dw	<36	<39
Aroclor-1242, ug/kg dw	<36	<39
Aroclor-1248, ug/kg dw	38P	<39
Aroclor-1254, ug/kg dw	220	79P
Aroclor-1260, ug/kg dw	260	160
Aroclor 1268, ug/kg dw	70	<39
Surrogate - TCX	42 %	55 %
Surrogate - DCB	100 %	145 %
Dilution Factor	1	1
Prep Date	10.16.02	10.16.02
Analysis Date	10.18.02	10.18.02
Batch ID	1016N	1016N
Percent Solids	91	85

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Smyrna, GA 30080

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Contract No.: S7219
CC: Jerry Hopper
Project: OXFORD LAKES TENNIS COURTS
Sampled By: Client
Code: 13563017

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
47348-3	Method Blank	
47348-4	Lab Control Standard % Recovery	
47348-5	LCS Accuracy Control Limit (%R)	

PARAMETER	47348-3	47348-4	47348-5
PCB's (8082)			
Aroclor-1016, ug/kg dw	<33	85 %	34-138 %
Aroclor-1221, ug/kg dw	<67	---	---
Aroclor-1232, ug/kg dw	<33	---	---
Aroclor-1242, ug/kg dw	<33	---	---
Aroclor-1248, ug/kg dw	<33	---	---
Aroclor-1254, ug/kg dw	<33	---	---
Aroclor-1260, ug/kg dw	<33	97 %	39-138 %
Aroclor 1268, ug/kg dw	<33	---	---
Surrogate - TCX	70 %	76 %	30-150 %
Surrogate - DCB	106 %	94 %	30-150 %
Dilution Factor	1	1	1
Prep Date	10.16.02	10.16.02	10.16.02
Analysis Date	10.18.02	10.18.02	10.18.02
Batch ID	1016N	1016N	1016N

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Contract No.: S7219
CC: Jerry Hopper
Project: OXFORD LAKES TENNIS COURTS
Sampled By: Client
Code: 13563017

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
47348-6	LCS - 093 Custom	
47348-7	True Value - 093 Custom	

PARAMETER	47348-6	47348-7
PCB's (8082)		
Aroclor-1248, ug/kg dw	1000	1500
Aroclor-1254, ug/kg dw	2100	3100
Aroclor-1260, ug/kg dw	2200	2000
Aroclor 1268, ug/kg dw	1300	1500
Surrogate - TCX	54 %	---
Surrogate - DCB	135 %	---
Dilution Factor	1	1
Prep Date	10.16.02	10.16.02
Analysis Date	10.18.02	10.18.02
Batch ID	1016N	1016N

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III.

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

R. Michelle Owens

Michelle Owens, Project Manager

Final Page Of Report

Serial Number 025112

SEVERN TRENT SERVICES

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah

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5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

Field	Value
PROJECT REFERENCE	Oxford Lakes Tennis Courts
PROJECT NO.	
PROJECT LOCATION (STATE)	
STL (LAB) PROJECT MANAGER	Michelle Owens
P.O. NUMBER	
CONTRACT NO.	
CLIENT (SITE) PM	Craig Branchfield
CLIENT PHONE	
CLIENT FAX	
CLIENT NAME	Solutia
CLIENT E-MAIL	
CLIENT ADDRESS	
COMPANY CONTRACTING THIS WORK (if applicable)	Genesis Project, Inc.
PAGE	1 OF 1
STANDARD REPORT DELIVERY	☑ DATE DUE 10/25/02
EXPEDITED REPORT DELIVERY (SURCHARGE)	○ DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: PCB 8082 250 ml glass

PRESERVATIVE: 4°C

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PCB 8082 (NUMBER OF CONTAINERS SUBMITTED)	REMARKS
10/9/02	0730	OLWL-3 0-2'			✓			1	
10/9/02	0755	OLSL-4 0-1'			✓			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	10/10/02	1700			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	10/11/02	0950	YES ○ NO ○		S247348	

ORIGINAL – RETURN TO LABORATORY WITH SAMPLE(S)

5102 LaRoche Avenue • Savannah, GA 31404 • Tel: 912 354 7858 • Fax: 912 352 0165 • www.stl-inc.com

STL Savannah

LOG NO: S2-44358A
Received: 21 JUN 02
Reported: 05 JUL 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Client PO. No.: 4503213403

Requisition: V#203708
Contract No.: S7219
Project: OXFORD LAKES
Sampled By: Client
Code: 15092075

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
44358A-1	OLTC-SP-4 (Comp)	06-20-02/10:10

PARAMETER	44358A-1
PCB's (8082)	
Aroclor-1016, ug/kg dw	<380
Aroclor-1221, ug/kg dw	<770
Aroclor-1232, ug/kg dw	<380
Aroclor-1242, ug/kg dw	<380
Aroclor-1248, ug/kg dw	970
Aroclor-1254, ug/kg dw	4100
Aroclor-1260, ug/kg dw	2600
Aroclor 1268, ug/kg dw	<380
Surrogate - TCX	*F33
Surrogate - DCB	*F33
Dilution Factor	10
Prep Date	07.01.02
Analysis Date	07.03.02
Batch ID	0701N
Percent Solids	87

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STL Savannah

LOG NO: S2-44358A
Received: 21 JUN 02
Reported: 05 JUL 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Client PO. No.: 4503213403

Requisition: V#203708
Contract No.: S7219
Project: OXFORD LAKES
Sampled By: Client
Code: 15092075

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
44358A-2	Method Blank	
44358A-3	Lab Control Standard % Recovery	
44358A-4	LCS Accuracy Control Limit (%R)	

PARAMETER	44358A-2	44358A-3	44358A-4
PCB's (8082)			
Aroclor-1016, ug/kg dw	<33	70 %	34-138 %
Aroclor-1221, ug/kg dw	<67	---	---
Aroclor-1232, ug/kg dw	<33	---	---
Aroclor-1242, ug/kg dw	<33	---	---
Aroclor-1248, ug/kg dw	<33	---	---
Aroclor-1254, ug/kg dw	<33	---	---
Aroclor-1260, ug/kg dw	<33	85 %	39-138 %
Aroclor 1268, ug/kg dw	<33	---	---
Surrogate - TCX	52 %	45 %	30-150 %
Surrogate - DCB	82 %	76 %	30-150 %
Dilution Factor	1	1	---
Prep Date	07.01.02	07.01.02	---
Analysis Date	07.02.02	07.02.02	---
Batch ID	0701N	0701N	---

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LOG NO: S2-44358A
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Reported: 05 JUL 02

Mr. Mike Price
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1258 Concord Road
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Client PO. No.: 4503213403

Requisition: V#203708
Contract No.: S7219
Project: OXFORD LAKES
Sampled By: Client
Code: 15092075

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
44358A-5	LCS - 093 Custom	
44358A-6	True Value - 093 Custom	

PARAMETER	44358A-5	44358A-6
PCB's (8082)		
Aroclor-1248, ug/kg dw	1600	1500
Aroclor-1254, ug/kg dw	4200	3000
Aroclor-1260, ug/kg dw	3400	2000
Aroclor 1268, ug/kg dw	2000	1500
Surrogate - TCX	54 %	---
Surrogate - DCB	118 %	---
Dilution Factor	1	1
Prep Date	07.01.02	07.01.02
Analysis Date	07.02.02	07.02.02
Batch ID	0701N	0701N

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III.

*F33 = Control limits are established only for surrogate concentration levels specified by EPA methods. Because the sample was diluted prior to analysis, surrogate recoveries are not reported.

K. Michelle Owens

Michelle Owens, Project Manager

Final Page Of Report

Serial Number 028001

SEVERN TRENT SERVICES

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah

(X) **STL Savannah**
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

( ) Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Oxford Lakes TC	PROJECT NO.	PROJECT LOCATION (STATE): AL
STL (LAB) PROJECT MANAGER: M. Owens	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: C. Branchfield	CLIENT PHONE	CLIENT FAX
CLIENT NAME: Solutia	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable)		

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: PCB 8082 125ml amber

PRESERVATIVE: 4°C

PAGE 1 OF 1

STANDARD REPORT DELIVERY (X)
DATE DUE ______

EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
DATE DUE ______

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED (PCB 8082)	REMARKS
6/20/02	1010	OLTC-SP-4 (comp)			X			1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	6/20/02	1600			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	6-21-02	10:30	YES ( ) NO ( )		[illegible]	

ORIGINAL – RETURN TO LABORATORY WITH SAMPLE(S)

SEVERN TRENT SERVICES

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STL Savannah

LOG NO: S2-43974A
Received: 08 JUN 02
Reported: 11 JUL 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Client PO. No.: 4503271330

Requisition: V#203708
Contract No.: S7219
CC: Mr. Jerry Hopper
Project: Residential/Abernathy
Sampled By: Client
Code: 115920724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
43974A-13	OLTC-SP-3	06-06-02/16:00

PARAMETER	43974A-13
PCB's (8082)	
Aroclor-1016, ug/kg dw	<380
Aroclor-1221, ug/kg dw	<760
Aroclor-1232, ug/kg dw	<380
Aroclor-1242, ug/kg dw	<380
Aroclor-1248, ug/kg dw	2100
Aroclor-1254, ug/kg dw	6000
Aroclor-1260, ug/kg dw	4300
Aroclor 1268, ug/kg dw	1200
Surrogate - TCX	*F33
Surrogate - DCB	*F33
Dilution Factor	10
Prep Date	06.14.02
Analysis Date	06.21.02
Batch ID	0614N
Percent Solids	88

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STL Savannah

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1258 Concord Road
Smyrna, GA 30080

Client PO. No.: 4503271330

Requisition: V#203708
Contract No.: S7219

CC: Mr. Jerry Hopper

Project: Residential/Abernathy
Sampled By: Client
Code: 115920724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
43974A-15	Method Blank	
43974A-16	Lab Control Standard % Recovery	
43974A-17	LCS Accuracy Control Limit (%R)	

PARAMETER	43974A-15	43974A-16	43974A-17
PCB's (8082)			
Aroclor-1016, ug/kg dw	<33	97 %	34-138 %
Aroclor-1221, ug/kg dw	<67	---	---
Aroclor-1232, ug/kg dw	<33	---	---
Aroclor-1242, ug/kg dw	<33	---	---
Aroclor-1248, ug/kg dw	<33	---	---
Aroclor-1254, ug/kg dw	<33	---	---
Aroclor-1260, ug/kg dw	<33	109 %	39-138 %
Aroclor 1268, ug/kg dw	<33	---	---
Surrogate - TCX	59 %	70 %	30-150 %
Surrogate - DCB	106 %	88 %	30-150 %
Dilution Factor	1	1	---
Prep Date	06.14.02	06.14.02	---
Analysis Date	06.18.02	06.18.02	---
Batch ID	0614N	0614N	---

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STL Savannah

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Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Client PO. No.: 4503271330

Requisition: V#203708
Contract No.: S7219

CC: Mr. Jerry Hopper

Project: Residential/Abernathy
Sampled By: Client
Code: 115920724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
43974A-18	LCS - 093 Custom	
43974A-19	True Value - 093 Custom	

PARAMETER	43974A-18	43974A-19
PCB's (8082)		
Aroclor-1248, ug/kg dw	1600	1500
Aroclor-1254, ug/kg dw	4000	3100
Aroclor-1260, ug/kg dw	3200	2000
Aroclor 1268, ug/kg dw	1800	1500
Surrogate - TCX	53 %	---
Surrogate - DCB	118 %	---
Dilution Factor	1	1
Prep Date	06.14.02	06.14.02
Analysis Date	06.18.02	06.18.02
Batch ID	0614N	0614N

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STL Savannah

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Reported: 11 JUL 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Client PO. No.: 4503271330

Requisition: V#203708
Contract No.: S7219

CC: Mr. Jerry Hopper

Project: Residential/Abernathy
Sampled By: Client
Code: 115920724

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
43974A-18	LCS - 093 Custom	
43974A-19	True Value - 093 Custom	

PARAMETER	43974A-18	43974A-19

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III.

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

*F33 = Control limits are established only for surrogate concentration levels specified by EPA methods. Because the sample was diluted prior to analysis, surrogate recoveries are not reported.

*F36 = Surrogate recovery was outside established limits due to a coeluting matrix interference in the sample.

Michelle Owens, Project Manager

Final Page Of Report

Serial Number 005284

SEVERN TRENT SERVICES

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Severn Trent Laboratories, Inc.

- [X] 5102 LaRoche Avenue, Savannah, GA 31404 Phone: (912) 354-7858 Fax: (912) 352-0165
- [ ] 2846 Industrial Plaza Drive, Tallahassee, FL 32301 Phone: (850) 878-3994 Fax: (850) 878-9504
- [ ] 900 Lakeside Drive, Mobile, AL 36693 Phone: (334) 666-6633 Fax: (334) 666-6696
- [ ] 6712 Benjamin Road, Suite 100, Tampa, FL 33634 Phone: (813) 885-7427 Fax: (813) 885-7049

PROJECT REFERENCE: Oxford Lakes TC	PROJECT NO.	PROJECT LOCATION (STATE): AL
STL (LAB) PROJECT MANAGER: M. Owens	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE): Craig Brandfield	CLIENT PHONE	CLIENT FAX
CLIENT NAME: Solutia	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable): Genesis Project, Inc.		

MATRIX TYPE: Soil Composite

REQUIRED ANALYSIS: PCB 8082

PRESERVATIVE: 4°C

PAGE 1 OF 1

STANDARD REPORT DELIVERY [X]
DATE DUE ______

EXPEDITED REPORT DELIVERY (SURCHARGE) [ ]
DATE DUE ______

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE (Soil Composite)	NUMBER CONTAINERS SUBMITTED (PCB 8082)	REMARKS
6/6/02	1600	OLTC-SP-3	✓	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			M. H. McOh [signature]	6/7/02	1100			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

SEVERN TRENT SERVICES

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STL Savannah

LOG NO: S2-43319
Received: 14 MAY 02
Reported: 20 MAY 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Contract No.: S7219
Project: OXFORD LAKES
Sampled By: Client
Code: 144520520

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED
43319-1	OLTC-SP-1	05-13-02/12:35
43319-2	OLTC-SP-2	05-13-02/12:40

PARAMETER	43319-1	43319-2
PCB's (8082)		
Aroclor-1016, ug/kg dw	<370	<380
Aroclor-1221, ug/kg dw	<750	<770
Aroclor-1232, ug/kg dw	<370	<380
Aroclor-1242, ug/kg dw	<370	<380
Aroclor-1248, ug/kg dw	1400	1000
Aroclor-1254, ug/kg dw	5700	4500
Aroclor-1260, ug/kg dw	4000	3400
Aroclor 1268, ug/kg dw	1200	1100
Surrogate - TCX	*F33	*F33
Surrogate - DCB	*F33	*F33
Dilution Factor	10	10
Prep Date	05.17.02	05.17.02
Analysis Date	05.17.02	05.17.02
Batch ID	05170	05170
Percent Solids	89	87

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STL Savannah

LOG NO: S2-43319
Received: 14 MAY 02
Reported: 20 MAY 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Contract No.: S7219
Project: OXFORD LAKES
Sampled By: Client
Code: 144520520

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
43319-3	Method Blank	
43319-4	Lab Control Standard % Recovery	
43319-5	LCS Accuracy Control Limit (%R)	
43319-6	LCS - 093 Custom	
43319-7	True Value - 093 Custom	

PARAMETER	43319-3	43319-4	43319-5	43319-6	43319-7
PCB's (8082)					
Aroclor-1016, ug/kg dw	<33	91 %	34-138 %	---	---
Aroclor-1221, ug/kg dw	<67	---	---	---	---
Aroclor-1232, ug/kg dw	<33	---	---	---	---
Aroclor-1242, ug/kg dw	<33	---	---	---	---
Aroclor-1248, ug/kg dw	<33	---	---	1800	1500
Aroclor-1254, ug/kg dw	<33	---	---	3400	3100
Aroclor-1260, ug/kg dw	<33	103 %	39-138 %	2800	2000
Aroclor 1268, ug/kg dw	<33	---	---	2000	1500
Surrogate - TCX	82 %	65 %	30-150 %	76 %	---
Surrogate - DCB	94 %	100 %	30-150 %	147 %	---
Dilution Factor	1	1	---	1	1
Prep Date	05.17.02	05.17.02	---	05.17.02	05.17.02
Analysis Date	05.17.02	05.17.02	---	05.17.02	05.17.02
Batch ID	05170	05170	05170	05170	05170

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STL Savannah

LOG NO: S2-43319
Received: 14 MAY 02
Reported: 20 MAY 02

Mr. Mike Price
Genesis Project, Inc.
1258 Concord Road
Smyrna, GA 30080

Contract No.: S7219
Project: OXFORD LAKES
Sampled By: Client
Code: 144520520

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED
43319-3	Method Blank	
43319-4	Lab Control Standard % Recovery	
43319-5	LCS Accuracy Control Limit (%R)	
43319-6	LCS - 093 Custom	
43319-7	True Value - 093 Custom	

PARAMETER	43319-3	43319-4	43319-5	43319-6	43319-7

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
Methods: EPA SW-846, Update III.

*F33 = Control limits are established only for surrogate concentration levels specified by EPA methods. Because the sample was diluted prior to analysis, surrogate recoveries are not reported.

Michelle Owens, Project Manager

Final Page Of Report

Serial Number 036849

SEVERN TRENT SERVICES

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Savannah

☒ **STL Savannah**
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Oxford Lakes Tennis Courts	PROJECT NO.	PROJECT LOCATION (STATE): AL
STL (LAB) PROJECT MANAGER: M. Owens	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: Richard Williams	CLIENT PHONE	CLIENT FAX
CLIENT NAME: Solutia	CLIENT E-MAIL	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable): Genesis Project, Inc.		

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: PCB 8082

PRESERVATIVE: 4C

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○ DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE) ☒ DATE DUE 5/17/02

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	NUMBER OF CONTAINERS SUBMITTED (PCB 8082)	REMARKS
5/13/02	1235	OLTC-SP-1	C					1	RUSH
5/13/02	1240	OLTC-SP-2	C					1	

RUSH

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			M.H. McO[illegible]	5/13/02	1735			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
[illegible]	[illegible]	[illegible]	YES ○ NO ○		[illegible]	

ORIGINAL – RETURN TO LABORATORY WITH SAMPLE(S)

APPENDIX B

EXAMPLE INSPECTION LOG

Oxford Lake Complex

INSPECTOR: _____

Date of Inspection: _____ Start Time: _____ Finish Time: _____

Last Inspection Performed: _____

Item & Item No.		Checklist					
Ball Fields	C1	Are there bare spots in vegetation?	Yes		No		(If Yes, describe below)
	C2	Is there soil cracking evident?	Yes		No		"
	C3	Is there erosion evident?	Yes		No		"
	C4	Is there settlement or subsidence evident?	Yes		No		"
Asphalt Covers	AC1	Is asphalt cracked or torn up anywhere?	Yes		No		(If Yes, describe below)
	AC2	Is there settlement or subsidence evident?	Yes		No		"
	AC3	Is there plant growth in or around asphalt?	Yes		No		"
Soil Covered Areas	C1	Are there bare spots in vegetation?	Yes		No		(If Yes, describe below)
	C2	Is there soil cracking evident?	Yes		No		"
	C3	Is there erosion evident?	Yes		No		"
	C4	Is there settlement or subsidence evident?	Yes		No		"
Ditches and Drainage Channels	D1	Is there any debris or obstruction?	Yes		No		(If Yes, describe below)
	D2	Is there sediment buildup?	Yes		No		"
Pipes / Culverts and Headwalls	P1	Debris, obstructions or sediments at pipe inlets (obstructing more than $^1/_5$ of the diameter or the pipe?	Yes		No		(If Yes, describe below)
	P2	Is there erosion around the inlets / outlets?	Yes		No		"
	P3	Any cracks or settlement at inlets / outlets?	Yes		No		"
Mowing and Fertilization	V1	Are there overgrown areas?	Yes		No		(If Yes, describe below)
	V2	Does grass appear unhealthy?	Yes		No		"

MAINTENANCE / REPAIR REQUIREMENTS

-- Describe any items requiring work. Mark the location of the item on the Oxford Lake Complex figure if necessary. Add other sheets if necessary.

Item No.	Maintenance or Repair Required	Marked on Figure (Yes or No)	Date of Request for Work	Date Maintenance / Repair Work Completed*

*Attach completed Maintenance / Repair Log.

Inspector Signature _____ **Responsible Official Signature** _____