

# ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS

## Baseline Asbestos Inspection Report of Building 717-3D



**Q-APG-D-00008**  
**November 5, 2019**

**INTEROFFICE MEMORANDUM**Q-APG-D-00008  
RSM Track Number 10755

November 5, 2019

TO: Andrew MacMillan, 730-4B

FROM: Heath McGregor, 730-4B

**BASELINE ASBESTOS INSPECTION REPORT OF BUILDING 717-3D**

On October 30, 2019, an inspection was performed to determine the presence of any suspect Asbestos Containing Material (ACM) in building 717-3D. Constructed in the 1990's, 717-3D is single-story building comprised of a light-weight steel and wood materials. The exterior of the building is finished with an asphaltic shingled roof and vinyl siding. The building is supported by a concrete slab with a footprint of approximately 1,900 square feet. The interior of 717-3D is finished with cementitious wall panels, pre-fabricated metal panel walls, and studded walls with wood paneling. The building is slated for demolition and was unoccupied at the time of this inspection.

Thirteen (13) homogenous types of material were evaluated during this inspection. All the materials evaluated during this inspection were sampled and/or evaluated during a previous asbestos inspection. Please see the attached Inspection Survey Table for descriptions, estimated quantities, sample results, and location of the materials inspected. The analytical results from the previous report have been reproduced and are included in the Inspection Survey Table.

**SUMMARY**

All accessible, visible, suspect ACM was evaluated at the completion of this inspection. Visible Thermal System Insulation (TSI) included polyisocyanurate and fiberglass. This evaluation was based on facility knowledge, material knowledge, document review, and previous bulk sampling results.

Although building 717-3D has been deactivated and placed in a shutdown condition, the asbestos inspector could not verify that the building was in a de-energized state of condition. No evaluation of the electrical wiring insulation or electrical panel box components was performed during the completion of this inspection. Therefore, all suspect materials (if any) discovered inside the electrical panel boxes must be considered Presumed Asbestos Containing Material (PACM) until sampled by a licensed asbestos inspector.

All samples were analyzed at the SRNS LLC Industrial Hygiene Laboratory, which is accredited by the American Industrial Hygiene Association (AIHA) Laboratory Quality Assurance Program (LQAP) in the Field of Testing (FoT)/Polarized Light Microscopy (PLM). The laboratory ID number is 100642. The analysts have attended Course 1608A: Microscopical Identification of Asbestos, presented by McCrone Research Institute or equivalent, and have completed the training qualifications to maintain proficiency.

If this report is used for contract bid or regulatory permit purposes, it is the obligation of the user to verify the actual quantities of the materials presented in the Inspection Survey Table. In accordance with 40CFR part 61.145 a **ten-day notification** must be filed with SC DHEC prior to demolition.

Page 1 of 2

S A V A N N A H R I V E R S I T E  
AIKEN, SC 29808 • WWW.SRS.GOV



**Savannah River**  
Nuclear Solutions, LLC  
*A Fluor Daniel Partnership*

**INTEROFFICE MEMORANDUM**

<u>ASBESTOS INSPECTOR</u>	<u>INSTITUTION</u>	<u>CERT. NO.</u>	<u>STATE</u>	<u>EXP. DATE</u>
Heath McGregor	Greenville Tech College	192-EVT502-091	SC	04/09/2020

Included on the SRS Long-term in-house Group license ABS 8021

<u>ASBESTOS INSPECTOR</u>	<u>INSTITUTION</u>	<u>CERT. NO.</u>	<u>STATE</u>	<u>EXP. DATE</u>
William K. Padgett	AAA Environmental	06-1397	SC	04/17/2020

Included on the SRS Long-term in-house Group license ABS 8021

C: C.R.F., 773-52A  
Site D&D Correspondence File  
J.K. Barrineau, 730-4B  
Joseph Burch, 730-4B  
Mark Wright, 705-3C  
Lance Cramer, 730-4B

Page 2 of 2

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SAVANNAH RIVER SITE  
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**INSPECTION SURVEY TABLE OF BUILDING 717-3D**

Homogeneous Number	SUSPECT MATERIAL	DESCRIPTION OF MATERIAL and SAMPLE NUMBERS	AMOUNT	TEST RESULTS	FRIABLE-NONFRIABLE
H01OB See Note 1.	Miscellaneous	<b>Description:</b> Asphaltic shingles (roofing material) <b>Sample Numbers:</b> 7173D090310-01A, 7173D090310-01B, 7173D090310-01C <b>Sample Number:</b> 7173D090310-01A analyzed via TEM.	Approximately 1,900 Square Feet	Negative	Non-friable Good Condition
<b>Location: Observed on the roof of the building.</b>					
H02OB See Note 1.	Miscellaneous	<b>Description:</b> Black colored felt paper (roofing material) <b>Sample Numbers:</b> 7173D090310-02A, 7173D090310-02B, 7173D090310-02C <b>Sample Number:</b> 7173D090310-02A analyzed via TEM.	Approximately 1,900 Square Feet	Negative	Non-friable Good Condition
<b>Location: Observed on the roof of the building (under asphaltic shingles H01OB).</b>					
H03OB See Note 1.	Miscellaneous	<b>Description:</b> Black colored sealant <b>Sample Numbers:</b> 7173D090310-03A, 7173D090310-03B, 7173D090310-03C <b>Sample Number:</b> 7173D090310-03B analyzed via TEM.	Approximately 40 Linear Feet	Negative	Non-friable Good Condition
<b>Location: Applied to the exterior framework of the skylight windows on the roof.</b>					
H04OB *H05OB See Note 1.	Miscellaneous	<b>Description:</b> Brown colored floor tile <b>Sample Numbers:</b> 7173D090310-05A, 7173D090310-05B, 7173D090310-05C <b>Sample Number:</b> 7173D090310-05C analyzed via TEM.	Approximately 1,800 Square Feet	Negative	Non-friable Good Condition
<b>Location: Observed flooring throughout the building except in room 5.</b>					
H05OB *H10OB See Note 1.	Miscellaneous	<b>Description:</b> Light colored adhesive <b>Sample Numbers:</b> 7173D090310-14A, 7173D090310-14B, 7173D090310-14C <b>Sample Number:</b> 7173D090310-14B analyzed via TEM.	Approximately 1,800 Square Feet	Negative	Non-friable Good Condition
<b>Location: Adhesive used to secure floor tile throughout the building.</b>					
H06OB	Miscellaneous	<b>Description:</b> Various colored carpet squares w/adhesive <b>Sample Number:</b> N/A, not suspect to contain asbestos <b>REF:</b> Shaw® Superior Carpet adhesive (SDS #22969-1), 3M® Blue Glue NF Carpet adhesive (SDS #20718-1) or equivalent.	N/A	N/A	N/A
<b>Location: Observed in room 1 (covering floor tile).</b>					
H07 *H08 See Note 1.	Miscellaneous	<b>Description:</b> Cementitious wall panels (painted) <b>*Sample Numbers:</b> 7173D090310-08, 7173D090310-09, 7173D090310-10	Approximately 1,300 Square Feet	Negative	Non-friable Good Condition
<b>Location: Majority of wall covering throughout the building.</b>					

**INSPECTION SURVEY TABLE OF BUILDING 717-3D**

Homogeneous Number	SUSPECT MATERIAL	DESCRIPTION OF MATERIAL and SAMPLE NUMBERS	AMOUNT	TEST RESULTS	FRIABLE-NONFRIABLE
H08OB *H06OB See Note 1.	Miscellaneous	<b>Description:</b> Dark colored cove base w/adhesive <b>*Sample Numbers:</b> 7173D090310-06A, 7173D090310-06B, 7173D090310-06C <b>*Sample Number:</b> 7173D090310-06C analyzed via TEM.	Approximately 150 Linear Feet	Negative	Non-friable Good Condition
<b>Location: Observed on the base of the interior walls throughout the building.</b>					
H09 See Note 1.	Miscellaneous	<b>Description:</b> 2' x 4' White small fissure pattern ceiling tile <b>Sample Numbers:</b> 7173D090310-11, 7173D090310-12, 7173D090310-13	Approximately 750 Square Feet	Negative	Friable Good Condition
<b>Location: Observed in rooms 1, 3, 4, and adjoining hallway.</b>					
H10OB *H04OB **H07OB See Note 1.	Miscellaneous	<b>Description:</b> Greyish colored sealant <b>*Sample Numbers:</b> 7173D090310-04A, 7173D090310-04B, 7173D090310-04C <b>*Sample Number:</b> 7173D090310-04A analyzed via TEM. <b>**Sample Numbers:</b> 7173D090310-07A, 7173D090310-07B, 7173D090310-07C <b>**Sample Number:</b> 7173D090310-07C analyzed via TEM.	Not Measured	Negative	Non-friable Good Condition
<b>Location: Observed on seams and joints of HVAC metal ductwork (interior and exterior).</b>					
H11	TSI	<b>Description:</b> Foil Skrim Kraft (FSK) fiberglass <b>Sample Number:</b> N/A not suspected to contain asbestos. <b>REF:</b> SDS #25860-1 or equivalent.	N/A	N/A	N/A
<b>Location: Observed on HVAC metal ductwork in room 2.</b>					
H12	TSI	<b>Description:</b> Rigid fiberglass board <b>Sample Numbers:</b> N/A, not suspected to contain asbestos. <b>REF:</b> CertaPro® commercial board insulation, SDS# CT1519-23, or equivalent	N/A	N/A	N/A
<b>Location: Observed in the interior of HVAC metal ductwork.</b>					
H13	TSI	<b>Description:</b> Polyisocyanurate (foil-faced rigid foam) <b>Sample Number:</b> N/A not suspected of containing asbestos. <b>REF:</b> Dyplast ISO-HT™ (SDS #47005-1) or equivalent	N/A	N/A	N/A
<b>Location: Observed in the interior wall spaces and ceiling (roof underside).</b>					

1. Sample number and results from previous asbestos inspection report SDD-APG-2009-00552.

OSR 4-434 (Rev 10-11-2006)

Washington Savannah River Company  
Industrial Hygiene Laboratory  
Building 735-B, Room 310  
Aiken, SC 29808  
Phone: (803) 952-7449/7459  
Fax: (803) 952-7881

## Industrial Hygiene Chain of Custody Lab Report

Page <u>1</u> of <u>4</u>	Cost Code PRD70391E	Lab Log-In No. _____
Contaminant(s) Suspect Asbestos 717-3D	Lab Report No. Required <input checked="" type="radio"/> EBL <input type="radio"/> F/H Lab	Lab Method No. and Name NIOSH 9002 (PCM)
Submitted By (Print/Signature) Charles Carter <i>Charles Carter</i>	<b>EBL-IH</b>  <b>2009-0148-</b>	Lab Book and Page No. 09-0194-0223
Audited By (Print/Signature) R. Cochrane <i>R. Cochrane</i>		Disk No.
		Verbal Results Given (To Whom) How (Check One) Data/Time Verbal Results Given 1 <input type="checkbox"/> Person <input checked="" type="checkbox"/> Voice Mail

Sample ID	Sample Media/Size	Requested TAT*	Results/Unit	Reporting Limit	Remarks	
7173D090310-01A		3-25-09	< 10	10 ASB	H010B Roof Shingles	
7173D090310-01B		3-25-09	< 10		H010B Roof Shingles	
7173D090310-01C		3-25-09	< 10		H010B Roof Shingles	
7173D090310-02A		3-25-09	< 10		H020B Felt Paper	
7173D090310-02B		3-25-09	< 10		H020B Felt Paper	
7173D090310-02C		3-25-09	< 10		H020B Felt Paper	
7173D090310-03A		3-25-09	< 10		H030B Roof Mastic	
7173D090310-03B		3-25-09	< 10		↓	H030B Roof Mastic

NOTE: Results relate only to the items tested.  
NOTE: Results are not corrected for contamination based on the field blank or other analytical blank.

Analyst/Signature <i>RM Cooke</i>	Date Analyzed 3-24-09	Reviewed By (Print) M Bernard	Signature (Lab Director or Designee) <i>Maurice Bernard</i>	Date 3/24/09
Analyst/Signature <i>RM Cooke</i>	Date Report Mailed 3-25-09	Report Received By (Print)	Signature (Field Use Only)	Date Received

Comments  
All Samples rec'd in good condition mrs 3/24/09

### Chain of Custody

NOTE: Samples from Radiological Contamination areas must be submitted to 772-F unless free release criteria are met.

Relinquished By				Received By			
Name	Signature	Date	Time	Name	Signature	Date	Time
Charles Carter	<i>Charles Carter</i>	3/11/2009	1630	RM Cooke	<i>RM Cooke</i>	3/12/09	1700

\*TAT - Turn Around Time    Disk No. - Only applicable to asbestos fiber counting.  
Retention - Permanent

OSR 4-434 (Rev 10-11-2008)

Washington Savannah River Company  
Industrial Hygiene Laboratory  
Building 735-B, Room 310  
Aiken, SC 29808  
Phone: (803) 952-7449/7459  
Fax: (803) 952-7881

# Industrial Hygiene Chain of Custody Lab Report

Page <u>2</u> of <u>4</u>	Cost Code PRD70391E	Lab Log-In No. _____
Contaminant(s) Suspect Asbestos 717-3D	Lab Report No. Required <input checked="" type="checkbox"/> EBL <input type="checkbox"/> FH Lab	Lab Method No. and Name NIOSH 9002 (PLM)
Submitted By (Print/Signature) Charles Carter <i>Charles Carter</i>	EBL-IH 2009-0148-	Lab Book and Page No. 09-0194-0223
Audited By (Print/Signature) R. Cochran <i>R. Cochran</i>		Disk No. Verbal Results Given (To Whom) How (Check One) <input type="checkbox"/> Person <input type="checkbox"/> Voice Mail
		Date/Time Verbal Results Given 1

Sample ID	Sample Media/Size	Requested TAT*	Results/Unit	Reporting Limit	Remarks
7173D090310-03C		3-25-09	< 1% 1% ASB		H03OB Roof Mastic
7173D090310-04A		3-25-09	< 1%		H04OB Mastic
7173D090310-04B		3-25-09	< 1%		H04OB Mastic
7173D090310-04C		3-25-09	< 1%		H04OB Mastic
7173D090310-05A		3-25-09	< 1%		H05OB Floor Tile
7173D090310-05B		3-25-09	< 1%		H05OB Floor Tile
7173D090310-05C		3-25-09	< 1%		H05OB Floor Tile
7173D090310-06A		3-25-09	< 1%		↓

NOTE: Results relate only to the items tested.  
NOTE: Results are not corrected for contamination based on the field blank or other analytical blank.

Analyst/Signature <i>RW Cooke</i>	Date Analyzed 3-24-09	Reviewed By (Print) M Bernard	Signature (Lab Director or Designee) <i>M Bernard</i>	Date 3/24/09
Analyst/Signature <i>RW Cooke</i>	Date Report Mailed 3-25-09	Report Received By (Print)	Signature (Field Use Only)	Date Received

Comments

### Chain of Custody

NOTE: Samples from Radiological Contamination areas must be submitted to 772-F unless free release criteria are met.

Relinquished By				Received By			
Name	Signature	Date	Time	Name	Signature	Date	Time
Charles Carter	<i>Charles Carter</i>	3/11/2009	1630	RW Cooke	<i>RW Cooke</i>	3/12/09	1700

\*TAT - Turn Around Time    Disk No. - Only applicable to asbestos fiber counting.  
Retention - Permanent

OSR 4-434 (Rev 10-11-2006)

Washington Savannah River Company  
 Industrial Hygiene Laboratory  
 Building 735-B, Room 310  
 Aiken, SC 29808  
 Phone: (803) 952-7449/7459  
 Fax: (803) 952-7881

# Industrial Hygiene Chain of Custody Lab Report

Page <u>3</u> of <u>4</u>	Cost Code PRD70391E	Lab Log-in No. _____
Contaminant(s) Suspect Asbestos 717-3D	Lab Report No. Required <input checked="" type="radio"/> EBL <input type="radio"/> F/H Lab	Lab Method No. and Name NIOSH 9002 (PCM)
Submitted By (Print/Signature) Charles Carter <i>Charles Carter</i>	<b>EBL-IH</b>  <b>2009-0148-</b>	Lab Book and Page No. 09-0194-0223
Audited By (Print/Signature) R. Cochran <i>R. Cochran</i>		Disk No.
		Verbal Results Given (To Whom) How (Check One) <input type="radio"/> Person <input type="radio"/> Voice Mail
		Date/Time Verbal Results Given 1

Sample ID	Sample Media/Size	Requested TAT*	Results/Unit	Reporting Limit	Remarks
7173D090310-06B		3-25-09	< 1% 12 ASB		H06OB Mastic on Vinyl Base
7173D090310-06C		3-25-09	< 1%	↓	H06OB Mastic on Vinyl Base
7173D090310-07A		3-25-09	< 1%		H07OB Mastic
7173D090310-07B		3-25-09	< 1%		H07OB Mastic
7173D090310-07C		3-25-09	< 1%		H07OB Mastic
7173D090310-08		3-25-09	< 1%		H08 Wall Panels
7173D090310-09		3-25-09	< 1%		H08 Wall Panels
7173D090310-10		3-25-09	< 1%		H08 Wall Panels

NOTE: Results relate only to the items tested.  
 NOTE: Results are not corrected for contamination based on the field blank or other analytical blank.

Analyst/Signature <i>ICM Cochran</i>	Date Analyzed 3-24-09	Reviewed By (Print) M. Bernard	Signature (Lab Director or Designee) <i>Maureen Bernard</i>	Date 3/24/09
Analyst/Signature <i>ICM Cochran</i>	Date Report Mailed 3-25-09	Report Received By (Print)	Signature (Field Use Only)	Date Received

Comments

### Chain of Custody

NOTE: Samples from Radiological Contamination areas must be submitted to 772-F unless free release criteria are met.

Relinquished By				Received By			
Name	Signature	Date	Time	Name	Signature	Date	Time
Charles Carter	<i>Charles Carter</i>	3/11/2009	1650	R.H. Cooke	<i>R.H. Cooke</i>	3/12/09	1700

\*TAT - Turn Around Time    Disk No. - Only applicable to asbestos fiber counting.  
 Retention - Permanent

OSR 4-434 (Rev 10-11-2006)

# Industrial Hygiene Chain of Custody Lab Report

Washington Savannah River Company  
Industrial Hygiene Laboratory  
Building 735-B, Room 310  
Aiken, SC 29808  
Phone: (803) 952-7449/7459  
Fax: (803) 952-7881

Page <u>4</u> of <u>4</u>	Cost Code PRD70391E	Lab Log-In No. _____
Contaminant(s) Suspect Asbestos 717-3D	Lab Report No. Required <input type="radio"/> EBL <input type="radio"/> F/H Lab  <b>EBL-IH</b>	Lab Method No. and Name <u>NIOSH 9002 (PLM)</u>
Submitted By (Print/Signature) Charles Carter <i>[Signature]</i>	<b>2009-0148-</b>	Lab Book and Page No. <u>09-0194-0223</u>
Audited By (Print/Signature) R. Cochrane		Disk No. Verbal Results Given (To Whom) _____ Date/Time Verbal Results Given _____

Sample ID	Sample Media/Size	Requested TAT*	Results/Unit	Reporting Limit	Remarks
7173D090310-11		3-25-09	< 18	PLM ASB	H09 Ceiling Tile
7173D090310-12		3-25-09	< 18	↓	H09 Ceiling Tile
7173D090310-13		3-25-09	< 18		H09 Ceiling Tile
7173D090310-14A		3-25-09	< 18		H100B Mastic on Floor Tile
7173D090310-14B		3-25-09	< 18		H100B Mastic on Floor Tile
7173D090310-14C		3-25-09	< 18		H100B Mastic on Floor Tile

NOTE: Results relate only to the items tested.  
NOTE: Results are not corrected for contamination based on the field blank or other analytical blank.

Analyst/Signature <i>[Signature]</i>	Date Analyzed <u>3-24-09</u>	Reviewed By (Print) <u>M Bernard</u>	Signature (Lab Director or Designee) <i>[Signature]</i>	Date <u>3/24/09</u>
Analyst/Signature <i>[Signature]</i>	Date Report Mailed <u>3-25-09</u>	Report Received By (Print)	Signature (Field Use Only)	Date Received

Comments

### Chain of Custody

NOTE: Samples from Radiological Contamination areas must be submitted to 772-F unless free release criteria are met.

Relinquished By				Received By			
Name	Signature	Date	Time	Name	Signature	Date	Time
Charles Carter	<i>[Signature]</i>	3/11/2009	1630	RH Cooke	<i>[Signature]</i>	3/17/09	1700

\*TAT - Turn Around Time      Disk No. - Only applicable to asbestos fiber counting.  
Retention - Permanent

# DAVIS & FLOYD

## LABORATORY ANALYSIS REPORT

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April 7, 2009

James Koch II  
Savannah River Nuclear Solutions, LLC  
735-B Room 133  
Aiken, SC 29804-6809

Re: Job 09075 Asbestos Analysis – TEM


On March 27, 2009, the Davis & Floyd, Inc. laboratory received eight solid waste sample from the Savannah River Nuclear Solutions LLC. The sample listed on the Chain-of-Custody (COC) form arrived at Davis & Floyd Laboratory intact. A fourteen-day turnaround was requested on the COC.

The samples were subcontracted to the RJ Lee Group, Inc. in Monroeville, PA for analysis of Asbestos by TEM. The sample(s) were received by the RJ Lee Group and logged in for analysis on March 31, 2009 as follows:

SRNS ID	RJ Lee Sample Number
09384-7173D090310-01A	0165249.HT
09384-7173D090310-02A	0165250.HT
09384-7173D090310-03B	0165251.HT
09384-7173D090310-04A	0165252.HT
09384-7173D090310-05C	0165253.HT
09384-7173D090310-06C	0165254.HT
09384-7173D090310-07C	0165255.HT
09384-7173D090310-14B	0165256.HT

Enclosed are the Chain-of-Custody Records and the RJ Lee Group laboratory analysis report. Please contact me if you have any questions.

Sincerely,  
Davis & Floyd, Inc.



John H. McCord Jr.  
Laboratory Manager

Enclosure:

# CHAIN-OF-CUSTODY

Copyright 2000 Washington Savannah River Company

<b>09384</b>	Customer Name: <b>Carter, Charles</b>	<b>RL</b>	Company: <b>Davis &amp; Floyd</b>
	Customer Department: <b>SDD</b>		<b>816 East Durst Ave.</b>
Contract Number <b>AC39041N</b>	Customer Address: <b>707-49B</b>	<b>Ship to: Address: Greenwood, SC 29649</b>	
	Customer Phone/Beeper: <b>507-4764 20730</b>	Attention: <b>Carl Burrell, 864-229-4413</b>	
<b>Washington Savannah River Company</b> <b>Aiken, SC 29808</b>  <b>Environmental Services Section</b> <b>Waste Sample Management Group</b>  COC creation date: <b>3/25/09</b>		Sample ID: <b>09384-7175DD090310-DIA</b>	Sample ID: <b>09384-7175DD90310-02A</b>
	Collect Date: <b>3/10/09</b>	Collect Date: <b>3/10/09</b>	Collect Date: <b>3/10/09</b>
	Collect Time: <b>0800</b>	Collect Time: <b>0800</b>	Collect Time: <b>0800</b>
	No. Containers: <b>1</b>	No. Containers: <b>1</b>	No. Containers: <b>1</b>
	Matrix: <b>SO</b>	Matrix: <b>SO</b>	Matrix: <b>SO</b>
Matrix: S=Soil, SO=Solid, SL=Sludge, O=Organic, A=Aqueous, SM=Smear Sample Analysis Requested <b>TEM for Asbestos (362)</b>			

Laboratory

<b>14</b> Day TAT		<b>RAD SCREEN REQUIRED? NO</b>		STR Authorization: <b>RMU for J. Koch</b>	
1 Relinquished by:	Date/Time	Received by:	2 Relinquished by:	Date/Time	Received by:
(Print) <b>Ed Cooke</b>	Date <b>3-26-09</b>	(Print) <b>Grace Miller</b>	(Print) <b>Grace Miller</b>	Date <b>3/26/09</b>	(Print) <b>Minnie Hightower</b>
(Sign) <i>Ed Cooke</i>	Time <b>0920</b>	(Sign) <i>Grace Miller</i>	(Sign) <i>Grace Miller</i>	Time <b>0930</b>	(Sign) <i>Minnie Hightower</i>
3 Relinquished by:	Date/Time	Received by:	4 Relinquished by:	Date/Time	Received by:
(Print) <b>Minnie Hightower</b>	Date <b>3-26-09</b>	(Print) <b>SLC</b>	(Print) <b>SLC</b>	Date <b>3-27-09</b>	(Print) <b>1151575 Call</b>
(Sign) <i>Minnie Hightower</i>	Time <b>1100</b>	(Sign) <i>Shipping</i>	(Sign) <i>Shipping</i>	Time <b>1113</b>	(Sign) <i>1151575 Call</i>

Cooler # 0529

# CHAIN-OF-CUSTODY

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Page 7 of 3

**09384**  **Customer Name:** Carter, Charles  
**Customer Department:** SDD  
**Contract Number:** AC39041N  
**Customer Address:** 707-49B  
**Customer Phone/Beeper:** 507-4764 20730

**RL** **Company:** Davis & Floyd  
**Ship to:** **Address:** 816 East Durst Ave.  
 Greenwood, SC 29649  
**Attention:** Carl Burrell, 864-229-4413

Laboratory

<b>Washington Savannah River Company</b> <b>Aiken, SC 29808</b>  <b>Environmental Services Section</b> <b>Waste Sample Management Group</b> COC creation date: <b>3/25/09</b> Matrix: S=Soil, SO=Solid, SL=Sludge, O=Organic, A=Aqueous, SM=Smear Sample Analysis Requested TEM for Asbestos (362)	Sample ID: <u>09384</u> <u>7175DD090310-04A</u>	Sample ID: <u>09384</u> <u>7175DD090310-05C</u>	Sample ID: <u>09384</u> <u>7175DD090310-06C</u>
	Collect Date: <u>3/10/09</u>	Collect Date: <u>3/10/09</u>	Collect Date: <u>3/10/09</u>
	Collect Time: <u>0800</u>	Collect Time: <u>0800</u>	Collect Time: <u>0800</u>
	No. Containers: <u>1</u>	No. Containers: <u>1</u>	No. Containers: <u>1</u>
	Matrix: <u>SO</u>	Matrix: <u>SO</u>	Matrix: <u>SO</u>

14 Day TAT		RAD SCREEN REQUIRED? NO		SRAuthorization <u>RML for J. Koch</u>	
1 Relinquished by:	Date/Time	Received by:	2 Relinquished by:	Date/Time	Received by:
(Print) <u>KM Coate</u>	<u>3-20-09</u>	(Print) <u>Grace Miller</u>	(Print) <u>Grace Miller</u>	<u>3/26/09</u>	(Print) <u>Minnie Hightower</u>
(Sign) <u>KM Coate</u>	Time <u>0920</u>	(Sign) <u>Grace Miller</u>	(Sign) <u>Grace Miller</u>	Time <u>0930</u>	(Sign) <u>Minnie Hight</u>
3 Relinquished by:	Date/Time	Received by:	4 Relinquished by:	Date/Time	Received by:
(Print) <u>Minnie Hightower</u>	<u>3-26-09</u>	(Print) <u>S/C</u>	(Print) <u>S/C</u>	<u>3-27-09</u>	(Print) <u>Juan S. H. Hall</u>
(Sign) <u>Minnie Hight</u>	Time <u>1100</u>	(Sign) <u>Shipping</u>	(Sign) <u>Shipping</u>	Time <u>11:13</u>	(Sign) <u>Juan S. H. Hall</u>

Cooler # 0629

# CHAIN-OF-CUSTODY

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Page 1 of 3

09384	Customer Name: Carter, Charles	<input type="checkbox"/> RL	Company: Davis & Floyd
	Customer Department: SDD		816 East Durst Ave.
Contract Number AC39041N	Customer Address: 707-49B		Ship to: Address: Greenwood, SC 29649
	Customer Phone/Beeper: 507-4764 20730		Attention: Carl Burrell, 864-229-4413

Washington Savannah River Company Aiken, SC 29808  Environmental Services Section Waste Sample Management Group  COC creation date: 3/25/09 Matrix: S=Soil, SO=Solid, SL=Sludge, O=Organic, A=Aqueous, SM=Smear Sample Analysis Requested TEM for Asbestos (362)	Sample ID: 09384- T1783090810-01C	Sample ID: 09384- T1783090810-14B	Sample ID:
	Collect Date: 3/10/09	Collect Date: 3/10/09	Collect Date:
	Collect Time: 0800	Collect Time: 0800	Collect Time:
	No. Containers: 1	No. Containers: 1	No. Containers:
	Matrix: SO ✓	Matrix: SO ✓	Matrix:

14 Day TAT		RAD SCREEN REQUIRED? NO		SIR Authorization RML for J. Koch	
1 Relinquished by:	Date/Time	Received by:	2 Relinquished by:	Date/Time	Received by:
(Print) <i>Ed Cook</i>	3-26-09	(Print) <i>Grace Miller</i>	(Print) <i>Grace Miller</i>	3-26-09	(Print) <i>Minnie Hightower</i>
(Sign) <i>Ed Cook</i>	0900	(Sign) <i>Grace Miller</i>	(Sign) <i>Grace Miller</i>	0930	(Sign) <i>Minnie Hightower</i>
3 Relinquished by:	Date/Time	Received by:	4 Relinquished by:	Date/Time	Received by:
(Print) <i>Minnie Hightower</i>	3-26-09	(Print) <i>C.L. Shipping</i>	(Print) <i>TISA S. Smith</i>	3-27-09	(Print) <i>TISA S. Smith</i>
(Sign) <i>Minnie Hightower</i>	1100	(Sign) <i>C.L. Shipping</i>	(Sign) <i>TISA S. Smith</i>	11:13	(Sign) <i>TISA S. Smith</i>

Cooler 0529



P5

RJ Lee Group, Inc.  
350 Hochberg Road, Monroeville, PA 15146  
Tel: (724) 325-1776 | Fax: (724) 733-1799

## Final Laboratory Report

### TEM Compositional Analysis

Mr. John H. McCord, Jr.  
Davis & Floyd, Inc.  
P.O. Drawer 428  
Greenwood, SC 29649  
USA

Report Date: 4/3/2009  
Sample Receipt Date: 3/31/2009  
RJ Lee Group Job No.: ATH903037  
Authorization/P.O. No.:  
Samples Received: 8  
Client Job No./Name: 62664\_01

Method: Chatfield Technical Consulting Limited, SOP-1988-02.Rev1.

Client Sample Number	R.JLG Sample Number	Sample Description	Starting Weight (gm)	Weight Percent						Amphibole Type
				Organic	Acid Soluble	Residus	Chry	Amph	Total Asbestos	
09384-7173D09 0310-01A	0165249.HT		0.23840	28	57	15	0	0	0	
09384-7173D09 0310-02A	0165250.HT		0.25000	96	Trace	4	0	0	0	
09384-7173D09 0310-03B	0165251.HT		0.22370	41	10	49	0	0	0	
09384-7173D09 0310-04A	0165252.HT		0.21910	60	1	39	0	0	0	
09384-7173D09 0310-05C	0165253.HT		0.21910							Non ACM
09384-7173D09 0310-06C	0165254.HT		0.20720	33	30	36	0	0	0	
09384-7173D09 0310-07C	0165255.HT		0.22650	49	40	11	0	0	0	
09384-7173D09 0310-14B	0165256.HT		0.22650							Non ACM

Authorized Signature: \_\_\_\_\_

/mb

Kimberly A. Allison, Manager - TEM Analysis

#### Notes:

1. "<" indicates results less than analytical sensitivity. "----" indicates that sample was not analyzed.
2. Sample(s) for this project were analyzed at our: Monroeville, PA (AIEHA #100364, NVLAP #101208-0, NY ELAP #10844) facility.
3. If RJ Lee Group, Inc. did not collect the samples analyzed, the verifiability of the laboratory's results are limited to the reported values.
4. Trace indicates <1% asbestos was identified.
5. Abbreviations: N/A-Not Applicable, Chry-Chrysotile Asbestos, Amph-Amphibole Asbestos, NSD-No Structures Detected.
6. Samples will be held for 90 days and then disposed of per Federal regulations.
7. These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which these results are used or interpreted.

**DISCLAIMER**

Caution must be applied when interpreting the results of samples prepared using indirect sample preparation techniques. Studies have shown that indirect preparation techniques may result in substantial increases in the fiber count when compared to fiber counts which would have been obtained using direct sample preparation.

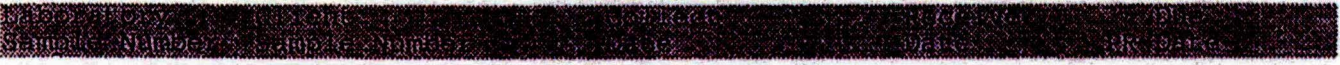
RJ Lee Group, Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for select test methods for airborne asbestos analysis (TEM), asbestos fiber analysis (PLM), New York Department of HEALTH Environmental Laboratory Program (ELAP), and by the American Industrial Hygiene Association (AIHA). This test report relates only to the items tested. This report may not be used to claim product endorsement by NVLAP, any agency of the US Government, or any other laboratory accrediting agency. Any reproduction of this document must be in full in order for the report to be valid. This report is not valid unless it bears the name of a NVLAP-approved signatory.

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limiting provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any sample.



DAVIS & FLOYD, INC.  
LOGIN REPORT (1n01)  
March 30 2009, 11:57 am

Login Number: L09033002  
Account: WASSAV SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC  
Project: 62664.01 MISC. ANALYTICAL SERVICES



L09033002-01	09384-7173D09010-02A	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-02	09384-7173D09010-02A	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-03	09384-7173D09010-02B	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-04	09384-7173D09010-02A	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-05	09384-7173D09010-05C	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-06	09384-7173D09010-06C	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-07	09384-7173D09010-07C	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	
L09033002-08	09384-7173D09010-14B	10 MAR 2009 08:00	27 MAR 2009	S	07 APR 200	PH	Remarks
Soil/SL/SW S	SC/ASBESTOS/TEM	-----				NA	

COC Record (Present / Absent)  
Sample Condition (Intact / Broken / Leaking)  
Info on COC Records and Samples Agreed (Yes / No / NA)  
Sample Temp. — Received on Ice (Yes / No)

Encore Samples (Yes / No / NA)  
RAD Samples (Yes / No)  
Shipping Container Dose < 500 urem/hr (Yes / No / NA)  
Remarks: Swipe OK = alpha < 20 dpm/100cm2 & beta < 1000 dpm/cm2

Reviewed:

*[Signature]*  
Date

Signature:

*[Signature]*  
Date