

ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS

Baseline Asbestos Inspection Report of Building 717-3D



Q-APG-D-00008
October 21, 2020



Savannah River
Nuclear Solutions, LLC
A Fluor Daniel Partnership

INTEROFFICE MEMORANDUM

Q-APG-D-00008
RSM Track Number 10755

October 21, 2020

TO: Andrew MacMillan, 730-4B

FROM: Heath McGregor, 730-4B

BASELINE ASBESTOS INSPECTION REPORT OF BUILDING 717-3D

On October 15, 2020, an inspection was performed to evaluate electrical wire insulation and other electrical components inaccessible during the November 2019 inspection.

On October 30, 2019, an initial 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 thin-gauged steel and wood materials. The exterior of the building is finished with vinyl siding and asphaltic shingles on the roof. 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.

Ten (10) 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 and locations 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 (building) and fiberglass (ductwork). These types of insulation do not contain asbestos. This evaluation was based on visual and tactile inspection, material knowledge, document review, and sample collection for laboratory analyses. No suspect material was discovered during the follow-up inspection of electrical wiring and electrical components.

All samples were analyzed by Polarized Light Microscopy (PLM). The South Carolina Department of Health and Environmental Control (SCDHEC) Regulation 61-86.1, requires additional Transmission Electron Microscopy (TEM) on organically bound samples to confirm the negative PLM results.

Samples collected in 2009 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. TEM samples were analyzed by the Davis and Floyd/RJ Lee Group, Inc.

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	203-EVT502-093	SC	07/28/2021
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>
Mikell Autrey	Greenville Tech College	203-ETV502-089	SC	07/28/2021
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
Mark Wright, 705-3C Room 126

INSPECTION SURVEY TABLE OF BUILDING 717-3D

Homogeneous Number	Suspect/Non-Suspect Material	Description and Sample Numbers of Material	Test Results
H01OB	Miscellaneous	Description: Asphaltic shingles Sample Numbers: 7173D090310-01A, 7173D090310-01B, 7173D090310-01C Sample Number: 7173D090310-01A analyzed via TEM.	Negative See Note 1.
Location: Observed on roof of the building.			
H02OB	Miscellaneous	Description: Black colored felt paper (roofing material) Sample Numbers: 7173D090310-02A, 7173D090310-02B, 7173D090310-02C Sample Number: 7173D090310-02A analyzed via TEM.	Negative
Location: Observed on the roof of the building (under asphaltic shingles H01OB).			
H03OB	Miscellaneous	Description: Black colored sealant Sample Numbers: 7173D090310-03A, 7173D090310-03B, 7173D090310-03C Sample Number: 7173D090310-03B analyzed via TEM.	Negative
Location: Applied to the exterior framework of the skylight windows on the roof.			
H04OB	Miscellaneous	Description: Brown colored floor tile Sample Numbers: 7173D090310-05A, 7173D090310-05B, 7173D090310-05C Sample Number: 7173D090310-05C analyzed via TEM.	Negative
Location: Observed flooring throughout the building except in room 5.			
H05OB	Miscellaneous	Description: Light colored adhesive Sample Numbers: 7173D090310-14A, 7173D090310-14B, 7173D090310-14C Sample Number: 7173D090310-14B analyzed via TEM.	Negative
Location: Adhesive used to secure floor tile throughout the building.			
H06OB	Miscellaneous	Description: Various colored carpet squares w/adhesive Sample Number: N/A, not suspect to contain asbestos REF: Shaw® Superior Carpet adhesive (SDS #22969-1), 3M® Blue Glue NF Carpet adhesive (SDS #20718-1) or equivalent.	N/A See Note 2.
Location: Observed in room 1 (covering floor tile).			
H07	Miscellaneous	Description: Cementitious wall panels (painted) Sample Numbers: 7173D090310-08, 7173D090310-09, 7173D090310-10	Negative
Location: Majority of wall covering throughout the building.			

1. Negative = no asbestos fibers were detected during laboratory sample analysis.
2. N/A = not applicable.

INSPECTION SURVEY TABLE OF BUILDING 717-3D

Homogeneous Number	Suspect/Non-Suspect Material	Description and Sample Numbers of Material	Test Results
H08OB	Miscellaneous	Description: Dark colored cove base w/adhesive Sample Numbers: 7173D090310-06A, 7173D090310-06B, 7173D090310-06C Sample Number: 7173D090310-06C analyzed via TEM.	Negative
Location: Observed on the base of the interior walls throughout the building.			
H09	Miscellaneous	Description: 2' x 4' White small fissure pattern ceiling tile Sample Numbers: 7173D090310-11, 7173D090310-12, 7173D090310-13	Negative
Location: Observed in rooms 1, 3, 4, and adjoining hallway.			
H10OB	Miscellaneous	Description: Greyish colored sealant Sample Numbers: 7173D090310-04A, 7173D090310-04B, 7173D090310-04C, 7173D090310-07A, 7173D090310-07B, 7173D090310-07C Sample Numbers: 7173D090310-04A, 7173D090310-07C analyzed via TEM.	Negative
Location: Applied on seams and joints of HVAC metal ductwork (interior and exterior).			

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="checkbox"/> EBL <input type="checkbox"/> F/H Lab	Lab Method No. and Name NIOSH 9002 (PLM)
Submitted By (Print/Signature) Charles Carter <i>Charles Carter</i>	EBL-IH	Lab Book and Page No. 09-0194 - 0223
Audited By (Print/Signature) R. Cochrane <i>Randy Cochrane</i>		Disk No.
		Verbal Results Given (To Whom) HOW (Check One) <input type="checkbox"/> Person <input type="checkbox"/> Voice Mail
	2009-0148-	Date/Time Verbal Results Given /

Sample ID	Sample Media/Size	Requested TAT*	Results/Unit	Reporting Limit	Remarks
7173D090310-01A		3-25-09	< 1 ⁰	1 ⁰ ASB	H01OB Roof Shingles
7173D090310-01B		3-25-09	< 1 ⁰	↓	H01OB Roof Shingles
7173D090310-01C		3-25-09	< 1 ⁰		H01OB Roof Shingles
7173D090310-02A		3-25-09	< 1 ⁰		H02OB Felt Paper
7173D090310-02B		3-25-09	< 1 ⁰		H02OB Felt Paper
7173D090310-02C		3-25-09	< 1 ⁰		H02OB Felt Paper
7173D090310-03A		3-25-09	< 1 ⁰		H03OB Roof Mastic
7173D090310-03B		3-25-09	< 1 ⁰		H03OB 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>Kim Cooke</i>	Date Analyzed 3-24-09	Reviewed By (Print) M Bernard	3/24/09	Signature (Lab Director or Designee) <i>Maven Bernard</i>	Date 3/24/09
Analyst/Signature <i>Kim 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 yrs 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	Kim Cooke	<i>Kim 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)

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 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"/> F/H 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% ↓		H06OB Mastic on Vinyl Base

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>R.M. 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>R.M. 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	R.M. Cooke	<i>R.M. Cooke</i>	3/12/09	1700

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

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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="checkbox"/> EBL <input type="checkbox"/> F/H Lab	Lab Method No. and Name NIOSH 9002 (PCM)
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. Cochrane <i>Russell Cochrane</i>		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
7173D090310-06B		3-25-09	< 1%	1% 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 Cochrane</i>	Date Analyzed 3-24-09	Reviewed By (Print) M Bernard	3/24/09	Signature (Lab Director or Designee) <i>Maureen Bernard</i>	Date 3/24/09
Analyst/Signature <i>ICM Cochrane</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	RML Cooke	<i>RML Cooke</i>	3/12/09	1700

*TAT - Turn Around Time Disk No. - Only applicable to asbestos fiber counting.
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Industrial Hygiene Chain of Custody Lab Report

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	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. Cochrane		Disk No. Date/Time Verbal Results Given 1
		Verbal Results Given (To Whom) HOW (Check One) <input type="checkbox"/> Person <input type="checkbox"/> Voice Mail

Sample ID	Sample Media/Size	Requested TAT*	Results/Unit	Reporting Limit	Remarks
7173D090310-11		3-25-09	< 18	10 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>R.M. Cooke</i>	Date Analyzed 3-24-09	Reviewed By (Print) M Bernard	3/24/09	Signature (Lab Director or Designee) <i>Maureen Bernard</i>	Date 3/24/09
Analyst/Signature <i>R.M. 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	R.M. Cooke	<i>R.M. Cooke</i>	3/12/09	1700

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



LABORATORY ANALYSIS REPORT

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

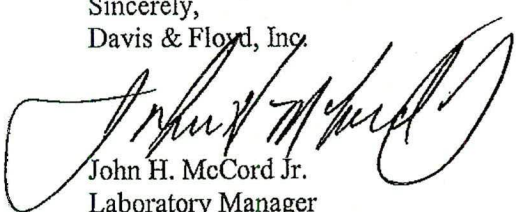
On March 27, 2009, the Davis & Floyd, Inc. laboratory received eight solid waste sample from the Savannah River Nuclear Solutions LLC. The sample listed on the Chain-of-Custody (COC) form arrived at Davis & Floyd Laboratory intact. A fourteen-day turnaround was requested on the COC.

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

Laboratory

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

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: <u>09384-7173DD090310-DIA</u>	Sample ID: <u>09384-7173DD90310-02A</u>	Sample ID: <u>09384-7173DD090310-00B</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** STR Authorization RWL for J. Koch

1 Relinquished by: (Print) <u>Bill Cooke</u> (Sign) <u>[Signature]</u> Date/Time: <u>3-26-09 0920</u>	Received by: (Print) <u>Grace Miller</u> (Sign) <u>[Signature]</u>	2 Relinquished by: (Print) <u>Grace Miller</u> (Sign) <u>[Signature]</u> Date/Time: <u>3-26-09 0930</u>	Received by: (Print) <u>Minnie Hightower</u> (Sign) <u>[Signature]</u>
3 Relinquished by: (Print) <u>Minnie Hightower</u> (Sign) <u>[Signature]</u> Date/Time: <u>3-26-09 1100</u>	Received by: (Print) <u>SLC</u> (Sign) <u>[Signature]</u>	4 Relinquished by: (Print) <u>[Blank]</u> (Sign) <u>[Blank]</u> Date/Time: <u>3-27-09 1113</u>	Received by: (Print) <u>Tisa S. H. Call</u> (Sign) <u>[Signature]</u>

Copier # 0529

CHAIN-OF-CUSTODY

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Labora

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

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: 09384-7175DD090310-04A	Sample ID: 09384-7175DD090310-05C	Sample ID: 09384-7175DD090310-06C
	Collect Date: 3/10/09	Collect Date: 3/10/09	Collect Date: 3/10/09
	Collect Time: 0800	Collect Time: 0800	Collect Time: 0800
	No. Containers: 1	No. Containers: 1	No. Containers: 1
	Matrix: SO ✓	Matrix: SO ✓	Matrix: SO ✓

Day TAT RAD SCREEN REQUIRED? NO STR Authorization RML for J. Koch

1 Relinquished by: (Print) <i>Kim Coate</i> (Sign) <i>Kim Coate</i>	Date/Time: 3-26-09 Date: 3-26-09 Time: 0920	Received by: (Print) <i>Grace Miller</i> (Sign) <i>Grace Miller</i>	2 Relinquished by: (Print) <i>Grace Miller</i> (Sign) <i>Grace Miller</i>	Date/Time: 3/26/09 Date: 3/26/09 Time: 0930	Received by: (Print) <i>Minnie Hightower</i> (Sign) <i>Minnie Hight</i>
3 Relinquished by: (Print) <i>Minnie Hightower</i> (Sign) <i>Minnie Hight</i>	Date/Time: 3-26-09 Date: 3-26-09 Time: 1100	Received by: (Print) <i>S/C</i> (Sign) <i>Shipping</i>	4 Relinquished by: (Print) <i>S/C</i> (Sign) <i>Shipping</i>	Date/Time: 3.24.09 Date: 3.24.09 Time: 11:13	Received by: (Print) <i>TJSA S. McCall</i> (Sign) <i>Juan S. McCall</i>

Container # 0529

CHAIN-OF-CUSTODY

Copyright 2000 Washington Savannah River Company

PA

Laboratory

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

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: 09384-7175D090310-01C	Sample ID: 09384-7175D090310-14E	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 STR Authorization RML for J. Koch

1 Relinquished by: (Print) <i>RM Cooke</i>	Date/Time: 3-26-09	Received by: (Print) <i>Grace Miller</i>	2 Relinquished by: (Print) <i>Grace Miller</i>	Date/Time: 3/26/09	Received by: (Print) <i>Minnie Hightower</i>
(Sign) <i>RM Cooke</i>	Time: 0920	(Sign) <i>Grace Miller</i>	(Sign) <i>Grace Miller</i>	Time: 0930	(Sign) <i>Minnie Hightower</i>
3 Relinquished by: (Print) <i>Minnie Hightower</i>	Date/Time: 3-26-09	Received by: (Print) <i>CLS</i>	4 Relinquished by: (Print) <i>CLS</i>	Date/Time: 3-27-09	Received by: (Print) <i>Tisa S. DeCall</i>
(Sign) <i>Minnie Hightower</i>	Time: 1100	(Sign) <i>Shipping</i>	(Sign) <i>CLS</i>	Time: 11:13	(Sign) <i>Tisa S. DeCall</i>

Cooler 0529
13 of 17



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	RJLG Sample Number	Sample Description	Starting Weight (gm)	Weight Percent						Amphibole Type
				Organic	Acid Soluble	Residue	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 (AIHA #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.



ATH903037

Chain of Custody Record

Client Davis & Floyd, Inc. Greenwood, SC 29649		Project / Site Location 62564_01		Laboratory Certification Numbers: SC - 24110, NC - 25, NELAP - E87603, TN - 2023, VA - 77 816 E. Durst Avenue, Greenwood, SC 29649 (864) 229-4413 Fax: (864) 229-7119 Email: Laboratory@davisfloyd.com Internet: www.davisfloyd.com						Office Use Only Laboratory Work Received									
Contract John H. McCord, Jr.		Report To John H. McCord, Jr.		Copy To jmcord@davisfloyd.com		Reporting Requirements: <input checked="" type="checkbox"/> Standards <input type="checkbox"/> Data Package (Specify Level: 1 2 3 4) Turnaround Requirements: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify:)				PU / Quota Number 8	TC 8								
Collected By Tise S. McCall/Sample Custodian		Atmospheric Conditions (Optional)		Required Parameters, Containers and Preservation (P*)						Special Instructions State									
NOTICE:		Time sampling initiates (contiguous only)		Composite		Grab		Matrix Type		Number of Containers		PARAVELTERS		PLASTIC		Indicate any known or expected hazards with a "X".		LOGIV	
Sample Description		Sample Collection Date Time		Time		Type		Total		PARAVELTERS		ITEM		HOI		Comments		Fraction	
09384-7173D090310-01A		10-Mar 8:00				7		1		1		1							
09384-7173D090310-02A		10-Mar 8:00				7		1		1		1							
09384-7173D090310-03B		10-Mar 8:00				7		1		1		1							
09384-7173D090310-04A		10-Mar 8:00				7		1		1		1							
09384-7173D090310-05C		10-Mar 8:00				7		1		1		1							
09384-7173D090310-06C		10-Mar 8:00				7		1		1		1							
09384-7173D090310-07C		10-Mar 8:00				7		1		1		1							
09384-7173D090310-14B		10-Mar 8:00				7		1		1		1							
Relinquished By Tise S. McCall		Date 3/30/09		Time 14:40		Relinquished By		Date		Time		Relinquished By		Date		Time		Shipped Via UPS D & F	
Received By		Date		Time		Received By		Date		Time		Received in Laboratory By M. Brown		Date 03-31-09		Time 15:37:21		Tracking Number 1B:37:21	
Comments		Flow Measurement (Note 1) Beginning _____ Ending _____ Start Date: _____ Multiplier _____		Note: Indicate immediate delivery for those shipments in which the temperature does not have to remain 4°C		Receipt Information Cooler ID (if available): _____ On Ice: Yes / No Temp(C): _____ Immediate Delivery: Yes / No Custody Seal: Intact / Broken / None		D & F UPS CLIENT COURIER OTHER		D & F UPS CLIENT COURIER OTHER		D & F UPS CLIENT COURIER OTHER		D & F UPS CLIENT COURIER OTHER		D & F UPS CLIENT COURIER OTHER		D & F UPS CLIENT COURIER OTHER	

Matrix Type Definitions 1 - Drinking Water 2 - Clean Water 5 - Groundwater 7 - Soil/Sediment 8 - Liquid Sludge 9 - Df 12 - Air
(P) Preservative Definitions A - None B - H2SO4 C - HCl D - HNO3 E - NaOH F - Filtered G - Other

(Note 1) For Discharge Measurements

Davis & Floyd, Inc.
FL02_02 (0-2/05)

DAVIS & FLOYD, INC.
LOGIN REPORT (ln01)
March 30 2009, 11:57 am

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

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L09033002-01	09384-7173D090310-01A	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-02	09384-7173D090310-02A	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-03	09384-7173D090310-03B	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-04	09384-7173D090310-04A	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-05	09384-7173D090310-05C	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-06	09384-7173D090310-06C	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-07	09384-7173D090310-07C	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____
L09033002-08	09384-7173D090310-14B	10-MAR-2009	08:00 27-MAR-2009	S 07-APR-200
Soil/SL/SW S	SC/ASBESTOS/TEM	-----	PH <u>NA</u>	Remarks _____

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)

Reviewed:

[Signature] 4-7-09
Date

Signature:

[Signature] 3.30.09
Date

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