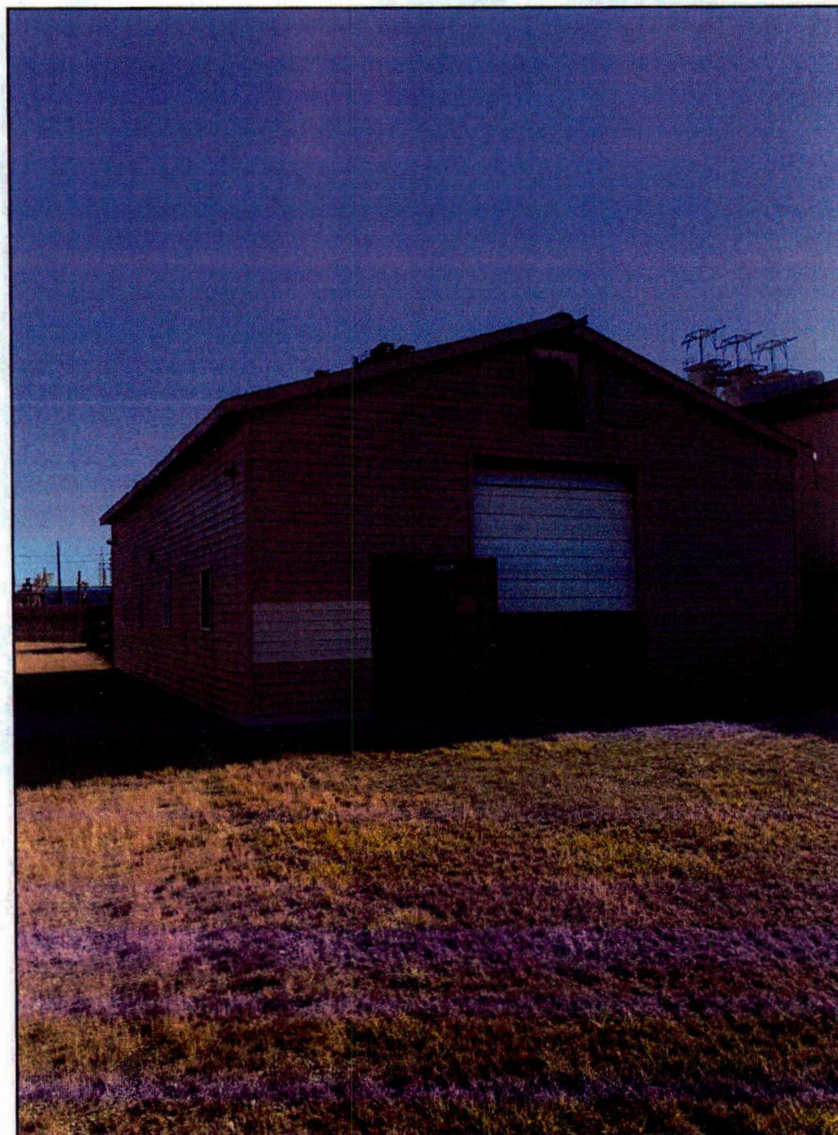


ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS

Baseline Asbestos Inspection Report of Building 710-16D



Q-APG-D-00019
November 21, 2019



INTEROFFICE MEMORANDUM

November 21, 2019

Q-APG-D-00019
RSM Track Number 10755

TO: Andrew Macmillan, 730-4B Room 3026

FROM: Ken Padgett, 730-4B

BASELINE ASBESTOS INSPECTION REPORT OF BUILDING 710-16D

On November 21, 2019 a baseline asbestos inspection was performed in building 710-16D. This building is a circa 1990's structure with a footprint of approximately 1,600 SF. The building has a wood frame construction with vinyl siding and an asphalt shingle roof. The interior is divided into several storage areas. The storage areas are separated by plywood finished walls. Some of the storage rooms have concrete slab floors, but most of the interior has a gravel floor. There is a loft area that provides additional storage space. Ten (10) skylights provide natural light to the interior.

Three (3) homogenous types of material were evaluated during this inspection. Please see the attached Inspection Survey Table for descriptions, estimated quantities, and location(s) of the materials inspected. Results from SDD-APG-2009-00543 have been reproduced and added to the Inspection Survey Table. The results from this inspection report will serve as the baseline reference of ACM in the building.

SUMMARY

All accessible, visible, suspect ACM was evaluated at the time of this inspection. Visible Thermal Systems Insulation (TSI) includes foil faced rigid foam insulation board. This material is not suspected to contain asbestos and was not sampled. This evaluation was based on facility and material knowledge, document review, and the collection of bulk samples for laboratory analysis.

Samples collected in the SDD-APG-2009-00543 report 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.

Although building 710-16D has been deactivated and placed in shutdown condition, the inspector could not verify that the building was de-energized. Therefore, suspect materials may exist inside electrical components.

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

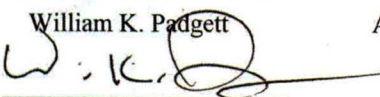
SAVANNAH RIVER SITE
AIKEN, SC 29808 • WWW.SRS.GOV



Savannah River
Nuclear Solutions, LLC
A Fluor Daniel Partnership

INTEROFFICE MEMORANDUM

Q-APG-D-00019
RSM Track Number 10755

| <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 | 04/17/20 |

(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

Page 2 of 2

SAVANNAH RIVER SITE
AIKEN, SC 29808 • WWW.SRS.GOV

INSPECTION SURVEY TABLE FOR BUILDING 710-16D

| Homogeneous Number | SUSPECT MATERIAL | DESCRIPTION OF MATERIAL and SAMPLE NUMBERS | AMOUNT | TEST RESULTS | FRIABLE-NONFRIABLE |
|---|-------------------------|---|---------------------------|---------------------|---------------------------|
| H01OB | Miscellaneous | Description: Roof felt paper - black Sample Numbers: 71016D090225-01A, 71016D090225-01B, 71016D09022501C Sample Number: 71016D090225-01A was analyzed via TEM | Approximately 1,600 SF | Negative | N/A |
| Location: Roof - under shingles | | | | | |
| H02OB | Miscellaneous | Description: Roof shingles - black Sample Numbers: 71016D090225-02A, 71016D090225-02B, 71016D090225-02C Sample Number: 71016D090225-02A was analyzed via TEM | Approximately 1,600 SF | Negative | N/A |
| Location: Roof covering | | | | | |
| H03 | TSI | Description: Polyisocyanurate (foil-faced rigid foam) Sample Number: N/A not suspected of containing asbestos. REF: Dyplast ISO-HT™ (SDS #47005-1) or equivalent | N/A | N/A | N/A |
| Location: Observed behind vinyl siding | | | | | |

Industrial Hygiene Chain of Custody Lab Report

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

| | | |
|--|--|--|
| Page <u>1</u> of <u>1</u> | Cost Code PRD70391E | Lab Log-In No. _____ |
| Contaminant(s) Suspect Asbestos at 710-16D | Lab Report No. Required <input checked="" type="radio"/> EBL <input type="radio"/> F/H Lab EBL-IH | Lab Method No. and Name NIOSH 9003 (PCM) |
| Submitted By (Print/Signature) Charles Carter <i>Charles Carter</i> | 2009-0122- | Lab Book and Page No. 09-0104-0109 |
| Audited By (Print/Signature) Russ Cochran <i>Russ 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 / |

| Sample ID | Sample Media/Size | Requested TAT* | Results/Unit | Reporting Limit | Remarks |
|------------------|-------------------|----------------|------------------|--------------------------------|--|
| 71016D090225-01A | | 3/18/09 | < 1 ^g | 1 ^g As ₃ | H010B Black felt paper on roof & plywood |
| 71016D090225-01B | | 3/18/09 | < 1 ^g | ↓ | H010B Black felt paper on roof & plywood |
| 71016D090225-01C | | 3/18/09 | < 1 ^g | | H010B Black felt paper on roof & plywood |
| 71016D090225-02A | | 3/18/09 | < 1 ^g | | H020B Roof shingles |
| 71016D090225-02B | | 3/18/09 | < 1 ^g | | H020B Roof Shingles |
| 71016D090225-02C | | 3/18/09 | < 1 ^g | | H020C Roof Shingles |
| | | | | | |

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>Kevin Cook</i> | Date Analyzed 3-16-09 | Reviewed By (Print) M Bernard | Signature (Lab Director or Designee) <i>Maurice Bernard</i> | Date 3-17-09 |
| Analyst/Signature <i>Kevin Cook</i> | Date Report Mailed 3-17-09 | Report Received By (Print) | Signature (Field Use Only) | Date Received |

Comments
Samples rec'd in good condition mes 3/17/09

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> | 3/4/2009 | 1330 | RM Cooke | <i>RM Cooke</i> | 3/5/09 | 0850 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

April 2, 2009

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

Re: Job 09071 Asbestos Analysis -- TEM


On March 25, 2009, the Davis & Floyd, Inc. laboratory received two 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 27, 2009 as follows:

| SRNS ID | RJ Lee Sample Number |
|------------------------|----------------------|
| 09071-71016D090225-01A | 0165230.HT |
| 09071-71016D090225-02A | 0165231.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

Q-APG-D-00019
Page 1 of REV. 0

Laboratory

| | | | |
|-----------------------------|---------------------------------------|---------------------------------------|------------------------|
| 09071 | Customer Name: Carter, Charles | RL | Company: Davis & Floyd |
| | Customer Department: SDD | | 816 East Durst Ave. |
| | Customer Address: 707-49B | | Greenwood, SC 29649 |
| Contract Number AC39041N | 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: 3/20/09 Matrix: S=Soil, SO=Solid, SL=Sludge, O=Organic, A=Aqueous, SM=Smear Sample Analysis Requested TEM for Asbestos (362) | Sample ID: | 09071-71016D090225-01A | Sample ID: | 09071-71016D090225-02A | Sample ID: | |
| | Collect Date | 2/25/09 | Collect Date | 2/25/09 | Collect Date | |
| | Collect Time | 0800 | Collect Time | 0800 | Collect Time | |
| | No. Containers | 1. | No. Containers | 1. | No. Containers | |
| | Matrix | SOLID | Matrix | SOLID | Matrix | |
| | | ✓ | | ✓ | | |

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

| | | | | | |
|---------------------------------|---------------------|-------------------------|---------------------------|---------------------|---------------------------------|
| 1 Relinquished by: | Date/Time | Received by: | 2 Relinquished by: | Date/Time | Received by: |
| (Print) <i>Tom Cooke</i> | Date <i>3/23/09</i> | (Print) <i>CE Lewis</i> | (Print) <i>CE Lewis</i> | Date <i>3/23/09</i> | (Print) <i>Minnie Hightower</i> |
| (Sign) <i>Tom Cooke</i> | Time <i>1355</i> | (Sign) <i>CE Lewis</i> | (Sign) <i>CE Lewis</i> | Time <i>1420</i> | (Sign) <i>Minnie Hightower</i> |
| 3 Relinquished by: | Date/Time | Received by: | 4 Relinquished by: | Date/Time | Received by: |
| (Print) <i>Minnie Hightower</i> | Date <i>3/24/09</i> | (Print) <i>C.L.S.</i> | (Print) | Date <i>3.25.09</i> | (Print) <i>Tisa S. Hall</i> |
| (Sign) <i>Minnie Hightower</i> | Time <i>1000</i> | (Sign) <i>Shipping</i> | (Sign) | Time <i>11:15</i> | (Sign) <i>Tisa S. Hall</i> |

Cooler # 0530
7 of 10

P2



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: 4/1/2009
Sample Receipt Date: 3/27/2009
RJ Lee Group Job No.: ATH903027
Authorization/P.O. No.:
Samples Received: 2
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----- | | | | | Total Asbestos | Amphibole Type |
|----------------------------|--------------------|--------------------|----------------------|--------------------------|--------------|---------|------|------|----------------|----------------|
| | | | | Organic | Acid Soluble | Residue | Chry | Amph | | |
| 09071-71016D0 90225-01A | 0165230.HT | | 0.22560 | 96 | Trace | 3 | 0 | 0 | 0 | |
| 09071-71016D0 90225-02A | 0165231.HT | | 0.24720 | 27 | 60 | 13 | 0 | 0 | 0 | |

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.

DAVIS FLOYD

ATH903027

Client Davis & Floyd, Inc. **Project / Site Location** Greenwood, SC 29649
Contact John H. McCord, Jr. **Report To** 62664 01
Collected By John H. McCord, Jr. **Copy To** jmcord@davisfloyd.com
Reporting Requirements: [X] Standard [] Data Package (Specify Level: 1 2 3 4)
Turnaround Requirements: [X] Standard [] Rush (Specify)
Required Instruments: Containers and Preservatives (P)
Special Instructions: State 2
PO / Quote Number 7C
Office Use Only Laboratory Work Request

Laboratory Certification Numbers: SC-24110, NC-25, NELAP-EST533, TN-2023, VA-77
616 E. Duret Avenue, Greenwood, SC 29649 (843) 229-4433 Fax: (843) 229-7119
Email: Laboratory@davisfloyd.com Internet: www.davisfloyd.com

NOTE: Indicate any portion of sample that is analyzed with a GC.

| Sample Description | Date | Time | Sample Collection | Time | PARAMETERS | | | | Total | A | ITEM |
|------------------------|--------|------|-------------------|------|------------|------|-------------|----------------------|-------|---|------|
| | | | | | Composite | Grab | Matrix Type | Number of Containers | | | |
| 09071-71018D090225-01A | 25-Feb | 8:00 | | | | | | | | | 1 |
| 09071-71018D090225-02A | 25-Feb | 8:00 | | | | | | | | | 1 |

NOTICE: Tiso S. McCall/Sample Custodian

Comments: LOGIN

Sample Information: Received By: Tiso S. McCall, Date: 05-27-09, Time: 10:51 AM, Tracking Number: [blank]

Requisitioned By: [blank], Date: [blank], Time: [blank]

Requisitioned By: [blank], Date: [blank], Time: [blank]

Received By: [blank], Date: [blank], Time: [blank]

Received By: [blank], Date: [blank], Time: [blank]

Notes: (Note 1) For Diagnostic Measurements

Matrix Type Definitions: 1-Drying Vial, 2-Clean Water, 5-Groundwater, 7-Sol/Sediment, 8-Liquid Sludge, 9-Oil, 12-Air
 (P) Preservative Definitions: A-Nono, B-H2SO4, C-HCl, D-HNO3, E-NaOH, F-Filtered, G-Other

Low Measurement (Note 1): Multiplier: _____ Start Date: _____ Ending: _____ Beginning: _____
 (Specify when the temperature does not meet the requirements for the instrument)
 Recorder ID (if available): _____ On lot: Yes / No Temp(C): _____ Immediate Delivery: Yes / No Custody Seal: Intact / Broken / None

Recall Information: DAVIS & FLOYD, INC. PLOT 02 (0405)

Chain of Custody Record