

DAVIS & FLOYD

SINCE 1954

May 13, 2015

Mr. Pete Creighton, Director of Facilities
SCDHEC
301 Gervais Street
Columbia, South Carolina 29201

Re: Asbestos Survey of Various Roofs at State Park Maintenance Facility
D&F Job Number: 013339.00

Dear Mr. Creighton:

On May 5, 2015, Davis & Floyd, Inc. conducted an asbestos survey at the State Park Maintenance Facility of various buildings (roofing only), located at 8500 Farrow Road, Columbia, South Carolina. The structures included in this survey are as follows:

Building #16, Building #74, Building #73, Building #17, Building #9, Building #12, and Building #15.

The purpose of the survey was to identify any asbestos containing materials that may be present for abatement prior to re-roofing. Field conditions and quantities should be verified by contractors prior to bidding any asbestos removals. Sampling and analysis conforms to the amendments of South Carolina Department of Health and Environmental Control (SCDHEC) Regulation 61-86.1 "Standards of Performance for Asbestos Projects", effective May 27, 2011.

The Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC) define materials as asbestos-containing if an asbestos content of greater than one percent (>1%) is detected in a representative sample. Asbestos, in concentrations greater than one percent (>1%), was identified in some of the materials as a result of the samples collected.

Asbestos containing materials (ACM's) are present in the following roofing materials:

- Building #16: Pitch (tar-like material)
- Building #74: Pitch (tar-like material)
- Building #73: Pitch (tar-like material)
- Building #17: Pitch (tar-like material)
- Building #9: Pitch-gray (tar-like material), roof patch (brown), and vent flashing
- Building #12: Pitch (tar-like material)
- Building #15: Pitch-gray (tar-like material), and roof patch (white)

1319 Highway 72/221, East Greenwood, SC 29649

O. (864) 229-5211 F. (864) 229-7844

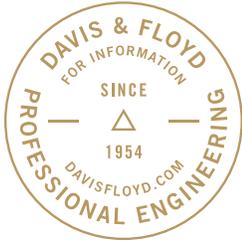
WWW.DAVISFLOYD.COM

Thank you, for this opportunity to provide Environmental Services to the South Carolina Department of Health and Environmental Control (SCDHEC). Please do not hesitate to contact us should you have any questions regarding this report at (864)229-5211 or mstevens@davisfloyd.com

Very truly yours,

DAVIS & FLOYD

Mark H. Stevens
Senior Environmental Designer



***Asbestos Survey for
SCDHEC***

Final Report – May, 2015

Asbestos Survey:

State Park Maintenance Facility: Various Roofs

D&F Job No. 013339.00

PREPARED FOR:

SCDHEC

Mr. Pete Creighton, Director of Facilities

301 Gervais Street

Columbia, South Carolina 29201

(803) 413-4171

PREPARED BY:

Davis & Floyd, Inc.

1319 Highway 72/221 E

Greenwood, South Carolina 29649

(864) 229-5211

ASBESTOS WAS FOUND

NO ASBESTOS

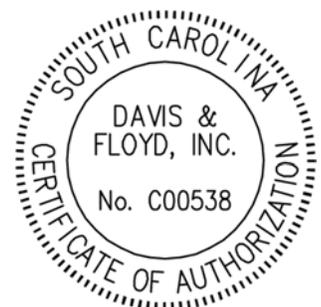


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Permit Applications

Section 1.0 Asbestos Survey Report

Sub-Section 1.1 Introduction

On May 5, 2015, Davis & Floyd, Inc. conducted an asbestos survey at the South Carolina Department of Health and Environmental Control (SCDHEC) State Park Maintenance Facility, located at 8500 Farrow Rd, Columbia, South Carolina. The purpose of this inspection was to locate, sample, and to assess suspect asbestos containing roofing materials (ACM), for the purpose of re-roofing various structures within the facility. The following structures were included in this survey:

Building 16: 1,600 square foot single-story brick house with a basement used as office space. The asphalt shingle gable roof covers approximately 1,800 square feet. There is what appears to be a 200 square foot addition on the north side of the house. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch (tar-like material) around vent pipes.

Building 74: 1,800 square foot single-story brick house with a basement used as office space. The asphalt shingle gable roof covers approximately 2,000 square feet. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch (tar-like material) around vent pipes.

Building 73: 2,000 square foot single-story brick house with a basement used as office space. The asphalt shingle gable roof covers approximately 2,250 square feet. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch (tar-like material) around vent pipes.

Building 17: 1,650 square foot single-story brick house used as office space. The asphalt shingle gable roof covers approximately 1,850 square feet. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch (tar-like material) around vent pipes.

Building 9: 3,000 square foot single-story brick house. The asphalt shingle gable roof covers approximately 3,200 square feet. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch-gray (tar-like material) around vent pipes and brick chimney, roof patch (brown), and vent flashing (brown sealant around vents).

Building 12: 14,000 square foot two-story brick building used as office space. The asphalt shingle gable roof covers approximately 7,500 square feet. There is what appears to be a covered porch with a tin roof coving approximately 300 square feet on the south side of the building. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch (tar-like material) around vent pipes and brick chimney.

Building 15: 2,100 square foot single-story brick house used as office space. The asphalt shingle gable roof covers approximately 2,300 square feet. There is what appears to be a 450 square foot addition on the north side of the house. The original construction date is estimated to be mid 40's to early 50's. Asbestos was found in pitch-gray (tar-like material) around vent pipes and brick chimney, and roof patch (white).

Bulk samples were collected from suspect roofing materials at each structure that were observed, and the samples were subsequently analyzed for asbestos content by an accredited laboratory. The suspect materials observed include: asphalt shingles, black paper, pitch (black), roof patch (brown), vent flashing, cool seal (silver paint), pitch (gray), asphalt roll-roofing and roof patch (white).

The Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC), define materials as asbestos containing if an asbestos content of greater than one percent (>1%) is detected in a representative sample. Thirty-two (32) homogeneous materials were identified among the various buildings, but not all were asbestos containing. Asbestos was identified in the following homogeneous materials

and are summarized in the table below; also, see the Bulk Asbestos Sample Log for results, and quantities of material.

Sub-Section 1.2 Identified Asbestos Containing Materials (ACM):

| Homo. ID (# of samples) | Homogeneous Material (Category) ¹ | | Overall Condition ² | Potential for Further Disturbance ³ |
|-------------------------|--|-------|--------------------------------|--|
| HM-5 (3) | Pitch | Misc. | NF-Fair | High |
| HM-8 (3) | Pitch | Misc | NF-Fair | High |
| HM-11 (3) | Pitch | Misc | NF-Fair | High |
| HM-16 (3) | Pitch | Misc | NF-Fair | High |
| HM-19 (3) | Pitch (Gray) | Misc | NF-Fair | High |
| HM-20 (3) | Roof Patch (Brown) | Misc | NF-Fair | High |
| HM-21 (3) | Vent Flashing | Misc | NF-Fair | High |
| HM-26 (3) | Pitch (Vent Pipe) | Misc | NF-Fair | High |
| HM-29 (3) | Pitch (Gray) | Misc | NF-Fair | High |
| HM-32 (3) | Roof Patch (White) | Misc | NF-Fair | High |

¹-Homogeneous Material (Category): Surf. -Surfacing; Misc.-Miscellaneous; TSI-Thermal System Insulation

²-Overall Condition: (F) - Friable – Good, Fair, Poor; (NF)-Non-Friable – Good, Fair, Poor

³-Potential for Further Disturbance: Low, Medium, High

Sub-Section 1.3 Bulk Sample Results

Representative samples of each suspected homogenous material were randomly collected from locations throughout the area. According to 40 CFR 763.87, the Environmental Protection Agency defines a material to qualify as “asbestos-containing material” if any sample of the suspect material is found to contain asbestos in concentrations greater than one percent (>1%).

In addition, the South Carolina Department of Health and Environmental Control (SCDHEC) Regulation 61.86.1, “Standards of Performance for Asbestos Projects” (May 27, 2011), Section VI-Asbestos Building Inspection Requirements, D. Sampling, paragraph 2.0 states:

2. A licensed asbestos inspector shall collect, in a statistically random manner, at least three bulk samples from each homogeneous material of TSI and any miscellaneous material that is not assumed to be ACM. In accordance with ASTM E2356, and any subsequent amendments and editions, negative results for non-friable organically bound materials such as flooring, mastics and roofing shall be verified with at least one TEM analysis.

To meet this requirement, one sample of each non-friable organically bound material (NOB) was sent to an independent lab for Transmission Electron Microscopy (TEM) analysis. The reports from the independent laboratory (licensed to perform TEM analysis) is also included in this report. During the laboratory analysis process, once a sample in a homogeneous group is found to be asbestos containing material, the remainder of the samples in that homogeneous group may not be analyzed by the laboratory (TEM or PLM).

Sub-Section 1.4 Regulatory Requirements

- Confirmed asbestos containing materials (ACM) should not be disturbed by untrained personnel. Damaged or ACM in poor condition should be removed and repaired by trained asbestos workers.

-
- Confirmed ACM should be periodically inspected. During the inspection, if the ACM is found to be damaged or in a deteriorated condition,
 - Necessary repairs should be performed by qualified individuals.
 - Before starting a renovation/demolition project, which involves disturbing the ACM, the ACM should be removed by a licensed asbestos abatement contractor. A ten (10) day notification to S.C.D.H.E.C. is required prior to any abatement activity.
 - Any activity involving the ACM should be in compliance with South Carolina Department of Health and Environmental Control Regulation 61-86.1, "Standards of Performance for Asbestos Projects", latest edition.

Section 2.0 Sample Log with Sample Results

DAVIS & FLOYD

SINCE 1954

Building Name: **STATE PARK MAINTENANCE** Job No. **13339.00**
 Building Address: **SCDHEC**
8500 FARROW ROAD
COLUMBIA, SOUTH CAROLINA
 Client: **SCDHEC** Contact: **PETE CREIGHTON**
 Collected By: **M. STEVENS** Date: **May 5, 2015**

BULK ASBESTOS SAMPLE LOG

| Sample | Description of Sampled Material | Sample Location | Present Condition | Potential Disturbance | HM I.D. | TEM (Y) | QTY. | Asbestos |
|--------------|---------------------------------|----------------------------|-------------------|-----------------------|----------|---------|-------------|---------------|
| SP-01 | ASPHALT SHINGLE | ROOF - BUILDING #16 | F-FAIR | HIGH | 1 | | 1,800 sf | ND |
| SP-02 | ASPHALT SHINGLE | ROOF - BUILDING #16 | F-FAIR | HIGH | 1 | | - | ND |
| SP-03 | ASPHALT SHINGLE | ROOF - BUILDING #16 | F-FAIR | HIGH | 1 | Y | - | ND |
| SP-04 | BLACK PAPER | ROOF - BUILDING #16 | F-GOOD | HIGH | 2 | | 1,800 sf | ND |
| SP-05 | BLACK PAPER | ROOF - BUILDING #16 | F-GOOD | HIGH | 2 | | - | ND |
| SP-06 | BLACK PAPER | ROOF - BUILDING #16 | F-GOOD | HIGH | 2 | Y | - | ND |
| SP-07 | ASPHALT SHINGLE (ADDITION) | ROOF - BUILDING #16 | F-FAIR | HIGH | 3 | | 280 sf | ND |
| SP-08 | ASPHALT SHINGLE (ADDITION) | ROOF - BUILDING #16 | F-FAIR | HIGH | 3 | | - | ND |
| SP-09 | ASPHALT SHINGLE (ADDITION) | ROOF - BUILDING #16 | F-FAIR | HIGH | 3 | Y | - | ND |
| SP-10 | BLACK PAPER (ADDITION) | ROOF - BUILDING #16 | F-GOOD | HIGH | 4 | | 280 sf | ND |
| SP-11 | BLACK PAPER (ADDITION) | ROOF - BUILDING #16 | F-GOOD | HIGH | 4 | | - | ND |
| SP-12 | BLACK PAPER (ADDITION) | ROOF - BUILDING #16 | F-GOOD | HIGH | 4 | Y | - | ND |
| SP-13 | PITCH | ROOF - BUILDING #16 | NF-FAIR | HIGH | 5 | | 9 sf | 10.00% |
| SP-14 | PITCH | ROOF - BUILDING #16 | NF-FAIR | HIGH | 5 | | - | NA |
| SP-15 | PITCH | ROOF - BUILDING #16 | NF-FAIR | HIGH | 5 | | - | NA |
| SP-16 | ASPHALT SHINGLE | ROOF - BUILDING #74 | F-FAIR | HIGH | 6 | | 2,000 sf | ND |
| SP-17 | ASPHALT SHINGLE | ROOF - BUILDING #74 | F-FAIR | HIGH | 6 | | - | ND |
| SP-18 | ASPHALT SHINGLE | ROOF - BUILDING #74 | F-FAIR | HIGH | 6 | Y | - | ND |
| SP-19 | BLACK PAPER | ROOF - BUILDING #74 | F-GOOD | HIGH | 7 | | 2,000 sf | ND |
| SP-20 | BLACK PAPER | ROOF - BUILDING #74 | F-GOOD | HIGH | 7 | | - | ND |
| SP-21 | BLACK PAPER | ROOF - BUILDING #74 | F-GOOD | HIGH | 7 | Y | - | ND |
| SP-22 | PITCH | ROOF - BUILDING #74 | NF-FAIR | HIGH | 8 | | 6 sf | 10.00% |
| SP-23 | PITCH | ROOF - BUILDING #74 | NF-FAIR | HIGH | 8 | | - | NA |
| SP-24 | PITCH | ROOF - BUILDING #74 | NF-FAIR | HIGH | 8 | | - | NA |
| SP-25 | ASPHALT SHINGLE | ROOF - BUILDING #73 | NF-FAIR | HIGH | 9 | | 2,250 sf | ND |

ND= No asbestos detected NA=Sample not analyzed

Davis & Floyd, Inc. | P.O. Drawer 428 | Greenwood, SC 29648 | (864) 229-5211 | Fax (864) 229-7115

F - Friable NF-Non-Friable

DAVIS & FLOYD

SINCE 1954

Building Name: **STATE PARK MAINTENANCE** Job No. **13339.00**
Building Address: **SCDHEC**
8500 FARROW ROAD
COLUMBIA, SOUTH CAROLINA
Client: **SCDHEC** Contact: **PETE CREIGHTON**
Collected By: **M. STEVENS** Date: **May 5, 2015**

BULK ASBESTOS SAMPLE LOG

| Sample | Description of Sampled Material | Sample Location | Present Condition | Potential Disturbance | HM I.D. | TEM (Y) | QTY. | Asbestos |
|--------------|---------------------------------|----------------------------|-------------------|-----------------------|-----------|---------|-------------|---------------|
| SP-26 | ASPHALT SHINGLE | ROOF - BUILDING #73 | F-FAIR | HIGH | 9 | | - | ND |
| SP-27 | ASPHALT SHINGLE | ROOF - BUILDING #73 | F-FAIR | HIGH | 9 | Y | - | ND |
| SP-28 | BLACK PAPER | ROOF - BUILDING #73 | F-GOOD | HIGH | 10 | | 2,250 sf | ND |
| SP-29 | BLACK PAPER | ROOF - BUILDING #73 | F-GOOD | HIGH | 10 | | - | ND |
| SP-30 | BLACK PAPER | ROOF - BUILDING #73 | F-GOOD | HIGH | 10 | Y | - | ND |
| SP-31 | PITCH | ROOF - BUILDING #73 | NF-FAIR | HIGH | 11 | | 6 sf | 10.00% |
| SP-32 | PITCH | ROOF - BUILDING #73 | NF-FAIR | HIGH | 11 | | - | NA |
| SP-33 | PITCH | ROOF - BUILDING #73 | NF-FAIR | HIGH | 11 | | - | NA |
| SP-34 | ASPHALT SHINGLE (TOP LAYER) | ROOF - BUILDING #17 | F-FAIR | HIGH | 12 | | 1,850 sf | ND |
| SP-35 | ASPHALT SHINGLE (TOP LAYER) | ROOF - BUILDING #17 | F-FAIR | HIGH | 12 | | - | ND |
| SP-36 | ASPHALT SHINGLE (TOP LAYER) | ROOF - BUILDING #17 | F-FAIR | HIGH | 12 | Y | - | ND |
| SP-37 | APPHALT SHINGLE (BOTTOM LAYER) | ROOF - BUILDING #17 | F-FAIR | HIGH | 13 | | 1,850 sf | ND |
| SP-38 | APPHALT SHINGLE (BOTTOM LAYER) | ROOF - BUILDING #17 | F-FAIR | HIGH | 13 | | - | ND |
| SP-39 | APPHALT SHINGLE (BOTTOM LAYER) | ROOF - BUILDING #17 | F-FAIR | HIGH | 13 | Y | - | ND |
| SP-40 | ASPHALT SHINGLE (AT SHED ROOF) | ROOF - BUILDING #17 | F-FAIR | HIGH | 14 | | 650 sf | ND |
| SP-41 | ASPHALT SHINGLE (AT SHED ROOF) | ROOF - BUILDING #17 | F-FAIR | HIGH | 14 | | - | ND |
| SP-42 | ASPHALT SHINGLE (AT SHED ROOF) | ROOF - BUILDING #17 | F-FAIR | HIGH | 14 | Y | - | ND |
| SP-43 | BLACK PAPER | ROOF - BUILDING #17 | F-GOOD | HIGH | 15 | | 650 sf | ND |
| SP-44 | BLACK PAPER | ROOF - BUILDING #17 | F-GOOD | HIGH | 15 | | - | ND |
| SP-45 | BLACK PAPER | ROOF - BUILDING #17 | F-GOOD | HIGH | 15 | Y | - | ND |
| SP-46 | PITCH | ROOF - BUILDING #17 | NF-FAIR | HIGH | 16 | | 9 sf | 12.00% |
| SP-47 | PITCH | ROOF - BUILDING #17 | NF-FAIR | HIGH | 16 | | - | NA |
| SP-48 | PITCH | ROOF - BUILDING #17 | NF-FAIR | HIGH | 16 | | - | NA |
| SP-49 | ASPHALT SHINGLE | ROOF - BUILDING #9 | F-FAIR | HIGH | 17 | | 3,200 sf | ND |
| SP-50 | ASPHALT SHINGLE | ROOF - BUILDING #9 | F-FAIR | HIGH | 17 | | - | ND |

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DAVIS & FLOYD

SINCE 1954

Building Name: **STATE PARK MAINTENANCE** Job No. **13339.00**
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Client: **SCDHEC** Contact: **PETE CREIGHTON**
Collected By: **M. STEVENS** Date: **May 5, 2015**

BULK ASBESTOS SAMPLE LOG

| Sample | Description of Sampled Material | Sample Location | Present Condition | Potential Disturbance | HM I.D. | TEM (Y) | QTY. | Asbestos |
|--------------|---------------------------------|---------------------------|-------------------|-----------------------|-----------|----------|---------------|---------------|
| SP-51 | ASPHALT SHINGLE | ROOF - BUILDING #9 | F-FAIR | HIGH | 17 | Y | - | ND |
| SP-52 | BLACK PAPER | ROOF - BUILDING #9 | F-GOOD | HIGH | 18 | | 3,200 sf | ND |
| SP-53 | BLACK PAPER | ROOF - BUILDING #9 | F-GOOD | HIGH | 18 | | - | ND |
| SP-54 | BLACK PAPER | ROOF - BUILDING #9 | F-GOOD | HIGH | 18 | Y | - | ND |
| SP-55 | PITCH (GRAY) | ROOF - BUILDING #9 | NF-FAIR | HIGH | 19 | | 9 sf | 10.00% |
| SP-56 | PITCH (GRAY) | ROOF - BUILDING #9 | NF-FAIR | HIGH | 19 | | - | NA |
| SP-57 | PITCH (GRAY) | ROOF - BUILDING #9 | NF-FAIR | HIGH | 19 | | - | NA |
| SP-58 | ROOF PATCH (BROWN) | ROOF - BUILDING #9 | NF-FAIR | HIGH | 20 | | 150 sf | 5.00% |
| SP-59 | ROOF PATCH (BROWN) | ROOF - BUILDING #9 | NF-FAIR | HIGH | 20 | | - | NA |
| SP-60 | ROOF PATCH (BROWN) | ROOF - BUILDING #9 | NF-FAIR | HIGH | 20 | | - | NA |
| SP-61 | VENT FLASHING | ROOF - BUILDING #9 | NF-FAIR | HIGH | 21 | | 12 sf | ND |
| SP-62 | VENT FLASHING | ROOF - BUILDING #9 | NF-FAIR | HIGH | 21 | | - | 5.00% |
| SP-63 | VENT FLASHING | ROOF - BUILDING #9 | NF-FAIR | HIGH | 21 | Y | - | NA |
| SP-64 | PITCH (TIN ROOF) | ROOF - BUILDING #12 | NF-FAIR | HIGH | 22 | | 50 sf | ND |
| SP-65 | PITCH (TIN ROOF) | ROOF - BUILDING #12 | NF-FAIR | HIGH | 22 | | - | ND |
| SP-66 | PITCH (TIN ROOF) | ROOF - BUILDING #12 | NF-FAIR | HIGH | 22 | Y | - | ND |
| SP-67 | COOL SEAL (TIN ROOF) | ROOF - BUILDING #12 | F-POOR | HIGH | 23 | | 300 sf | ND |
| SP-68 | COOL SEAL (TIN ROOF) | ROOF - BUILDING #12 | F-POOR | HIGH | 23 | | - | ND |
| SP-69 | COOL SEAL (TIN ROOF) | ROOF - BUILDING #12 | F-POOR | HIGH | 23 | Y | - | ND |
| SP-70 | ASPHALT SHINGLE | ROOF - BUILDING #12 | F-FAIR | HIGH | 24 | | 7,500 sf | ND |
| SP-71 | ASPHALT SHINGLE | ROOF - BUILDING #12 | F-FAIR | HIGH | 24 | | - | ND |
| SP-72 | ASPHALT SHINGLE | ROOF - BUILDING #12 | F-FAIR | HIGH | 24 | Y | - | ND |
| SP-73 | BLACK PAPER | ROOF - BUILDING #12 | F-GOOD | HIGH | 25 | | 7,500 sf | ND |
| SP-74 | BLACK PAPER | ROOF - BUILDING #12 | F-GOOD | HIGH | 25 | | - | ND |
| SP-75 | BLACK PAPER | ROOF - BUILDING #12 | F-GOOD | HIGH | 25 | Y | - | ND |

ND= No asbestos detected NA=Sample not analyzed
F - Friable NF-Non-Friable

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 Client: **SCDHEC** Contact: **PETE CREIGHTON**
 Collected By: **M. STEVENS** Date: **May 5, 2015**

BULK ASBESTOS SAMPLE LOG

| Sample | Description of Sampled Material | Sample Location | Present Condition | Potential Disturbance | HM I.D. | TEM (Y) | QTY. | Asbestos |
|--------------|---------------------------------|----------------------------|-------------------|-----------------------|-----------|----------|--------------|---------------|
| SP-76 | PITCH (VENT PIPE) | ROOF - BUILDING #12 | NF-FAIR | HIGH | 26 | | 8 sf | 10.00% |
| SP-77 | PITCH (VENT PIPE) | ROOF - BUILDING #12 | NF-FAIR | HIGH | 26 | | - | NA |
| SP-78 | PITCH (VENT PIPE) | ROOF - BUILDING #12 | NF-FAIR | HIGH | 26 | | - | NA |
| SP-79 | ASPHALT SHINGLE | ROOF - BUILDING #15 | F-FAIR | HIGH | 27 | | 2,300 sf | ND |
| SP-80 | ASPHALT SHINGLE | ROOF - BUILDING #15 | F-FAIR | HIGH | 27 | | - | ND |
| SP-81 | ASPHALT SHINGLE | ROOF - BUILDING #15 | F-FAIR | HIGH | 27 | Y | - | ND |
| SP-82 | BLACK PAPER | ROOF - BUILDING #15 | F-GOOD | HIGH | 28 | | 2,300 sf | ND |
| SP-83 | BLACK PAPER | ROOF - BUILDING #15 | F-GOOD | HIGH | 28 | | - | ND |
| SP-84 | BLACK PAPER | ROOF - BUILDING #15 | F-GOOD | HIGH | 28 | Y | - | ND |
| SP-85 | PITCH (GRAY) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 29 | | 15 sf | 8.00% |
| SP-86 | PITCH (GRAY) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 29 | | - | NA |
| SP-87 | PITCH (GRAY) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 29 | | - | NA |
| SP-88 | PITCH (BLACK) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 30 | | 25 sf | ND |
| SP-89 | PITCH (BLACK) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 30 | | - | ND |
| SP-90 | PITCH (BLACK) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 30 | Y | - | ND |
| SP-91 | ASPHALT ROLL-ROOFING (ADDITION) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 31 | | 450 sf | ND |
| SP-92 | ASPHALT ROLL-ROOFING (ADDITION) | ROOF - BUILDING #15 | F-FAIR | HIGH | 31 | | - | ND |
| SP-93 | ASPHALT ROLL-ROOFING (ADDITION) | ROOF - BUILDING #15 | F-FAIR | HIGH | 31 | Y | - | ND |
| SP-94 | ROOF PATCH (WHITE) | ROOF - BUILDING #15 | F-FAIR | HIGH | 32 | | 10 sf | <1.00% |
| SP-95 | ROOF PATCH (WHITE) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 32 | | - | 3.00% |
| SP-96 | ROOF PATCH (WHITE) | ROOF - BUILDING #15 | NF-FAIR | HIGH | 32 | Y | - | ND |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ND= No asbestos detected NA=Sample not analyzed
 F - Friable NF-Non-Friable

Davis & Floyd, Inc. | P.O. Drawer 428 | Greenwood, SC 29648 | (864) 229-5211 | Fax (864) 229-7119

Section 3.0 Laboratory Analysis Reports

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 021502365 |
| CustomerID: | DAVI57 |
| CustomerPO: | 01333900 |
| ProjectID: | |

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/12/2015
 Collected:

Project: **01333900**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------------------------------|-----------------------------|---|--------------------------------|-------------------------|----------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-01 <i>021502365-0001</i> | Asphalt Shingle @ #16 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-02 <i>021502365-0002</i> | Asphalt Shingle @ #16 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-03 <i>021502365-0003</i> | Asphalt Shingle @ #16 | Gray/Black/Orange Fibrous Heterogeneous | 5% Glass | 95% Non-fibrous (other) | None Detected |
| SP-04 <i>021502365-0004</i> | Black Paper @ #16 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-05 <i>021502365-0005</i> | Black Paper @ #16 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-06 <i>021502365-0006</i> | Black Paper @ #16 | Black Fibrous Homogeneous | 65% Cellulose <1% Synthetic | 35% Non-fibrous (other) | None Detected |
| SP-07 <i>021502365-0007</i> | Asphalt Shingle @ #16 (ADD) | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-08 <i>021502365-0008</i> | Asphalt Shingle @ #16 (ADD) | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |

Analyst(s)

 Kristie Elliott (38)
 Scott Combs (44)


 Stephen Bennett, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial report from 05/12/2015 09:33:16

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021502365

CustomerID: DAVI57

CustomerPO: 01333900

ProjectID:

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/12/2015
 Collected:

Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------|-----------------------------|--|---------------|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-09 021502365-0009 | Asphalt Shingle @ #16 (ADD) | Gray/Black/Green Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-10 021502365-0010 | Black Paper @ #16 (Add) | Brown/Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-11 021502365-0011 | Black Paper @ #16 (Add) | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-12 021502365-0012 | Black Paper @ #16 (Add) | Black Fibrous Homogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| SP-13 021502365-0013 | Pitch @ #16 | Black Fibrous Homogeneous | | 90% Non-fibrous (other) | 10% Chrysotile |
| SP-14 021502365-0014 | Pitch @ #16 | | | | Stop Positive (Not Analyzed) |
| SP-15 021502365-0015 | Pitch @ #16 | | | | Stop Positive (Not Analyzed) |
| SP-16 021502365-0016 | Asphalt Shingle @ #74 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-17 021502365-0017 | Asphalt Shingle @ #74 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |

Analyst(s)

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Scott Combs (44)

Stephen Bennett, Laboratory Manager
or other approved signatory

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Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------------------------------|-----------------------|--|--------------------------------|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-18 <i>021502365-0018</i> | Asphalt Shingle @ #74 | Gray/White/Black Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-19 <i>021502365-0019</i> | Black Paper @ #74 | Brown/Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-20 <i>021502365-0020</i> | Black Paper @ #74 | Brown/Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-21 <i>021502365-0021</i> | Black Paper @ #74 | Black Fibrous Homogeneous | 65% Cellulose <1% Synthetic | 35% Non-fibrous (other) | None Detected |
| SP-22 <i>021502365-0022</i> | Pitch @ #74 | Gray/Black Fibrous Homogeneous | | 90% Non-fibrous (other) | 10% Chrysotile |
| SP-23 <i>021502365-0023</i> | Pitch @ #74 | | | | Stop Positive (Not Analyzed) |
| SP-24 <i>021502365-0024</i> | Pitch @ #74 | | | | Stop Positive (Not Analyzed) |
| SP-25 <i>021502365-0025</i> | Asphalt Shingle @ #73 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-26 <i>021502365-0026</i> | Asphalt Shingle @ #73 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |

Analyst(s)
 Kristie Elliott (38)
 Scott Combs (44)


 Stephen Bennett, Laboratory Manager
 or other approved signatory

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 Analysis Date: 5/12/2015
 Collected:

Project: **01333900**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------------------------------|---------------------------|--|---------------|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-27 <i>021502365-0027</i> | Asphalt Shingle @ #73 | Gray/White/Black Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-28 <i>021502365-0028</i> | Black Paper @ #73 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-29 <i>021502365-0029</i> | Black Paper @ #73 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-30 <i>021502365-0030</i> | Black Paper @ #73 | Black Fibrous Homogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| SP-31 <i>021502365-0031</i> | Pitch @ #73 | Gray/Black Fibrous Homogeneous | | 90% Non-fibrous (other) | 10% Chrysotile |
| SP-32 <i>021502365-0032</i> | Pitch @ #73 | | | | Stop Positive (Not Analyzed) |
| SP-33 <i>021502365-0033</i> | Pitch @ #73 | | | | Stop Positive (Not Analyzed) |
| SP-34 <i>021502365-0034</i> | Asphalt Shingle (TOP) #17 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-35 <i>021502365-0035</i> | Asphalt Shingle (TOP) #17 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |

Analyst(s)

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 Scott Combs (44)


 Stephen Bennett, Laboratory Manager
 or other approved signatory

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| EMSL Order: | 021502365 |
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| CustomerPO: | 01333900 |
| ProjectID: | |

Attn: **Mark Stevens**
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Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/12/2015
 Collected:

Project: **01333900**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------------------------------|------------------------------------|--|---------------------------|-------------------------|----------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-36 <i>021502365-0036</i> | Asphalt Shingle (TOP) #17 | Gray/Black Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-37 <i>021502365-0037</i> | Asphalt Shingle (Bottom) #17 | Gray/Black/Green Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-38 <i>021502365-0038</i> | Asphalt Shingle (Bottom) #17 | Gray/Black/Green Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-39 <i>021502365-0039</i> | Asphalt Shingle (Bottom) #17 | Gray/Black/Green Fibrous Heterogeneous | 5% Glass <1% Cellulose | 95% Non-fibrous (other) | None Detected |
| SP-40 <i>021502365-0040</i> | Asphalt Shingle (At Shed Roof) #17 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-41 <i>021502365-0041</i> | Asphalt Shingle (At Shed Roof) #17 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-42 <i>021502365-0042</i> | Asphalt Shingle (At Shed Roof) #17 | Gray/Black/Green Fibrous Heterogeneous | 8% Glass <1% Cellulose | 92% Non-fibrous (other) | None Detected |
| SP-43 <i>021502365-0043</i> | Black Paper @ #17 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |

Analyst(s)

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 Scott Combs (44)


 Stephen Bennett, Laboratory Manager
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EMSL Order: 021502365

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Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/12/2015
 Collected:

Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------|----------------------|--|---------------|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-44 021502365-0044 | Black Paper @ #17 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-45 021502365-0045 | Black Paper @ #17 | Black Fibrous Homogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| SP-46 021502365-0046 | Pitch @ #17 | Brown/Gray/Black Fibrous Homogeneous | | 88% Non-fibrous (other) | 12% Chrysotile |
| SP-47 021502365-0047 | Pitch @ #17 | | | | Stop Positive (Not Analyzed) |
| SP-48 021502365-0048 | Pitch @ #17 | | | | Stop Positive (Not Analyzed) |
| SP-49 021502365-0049 | Asphalt Shingle @ #9 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-50 021502365-0050 | Asphalt Shingle @ #9 | Gray/Black Fibrous Homogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-51 021502365-0051 | Asphalt Shingle @ #9 | Gray/Black Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-52 021502365-0052 | Black Paper @ #9 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |

Analyst(s)

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Scott Combs (44)

Stephen Bennett, Laboratory Manager
or other approved signatory

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Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-53 021502365-0053 | Black Paper @ #9 | Black Fibrous Homogeneous | 65% Cellulose | 35% Non-fibrous (other) | None Detected |
| SP-54 021502365-0054 | Black Paper @ #9 | Black Fibrous Homogeneous | 70% Cellulose | 30% Non-fibrous (other) | None Detected |
| SP-55 021502365-0055 | Pitch @ #9 (Gray) | Gray/Black Fibrous Homogeneous | | 90% Non-fibrous (other) | 10% Chrysotile |
| SP-56 021502365-0056 | Pitch @ #9 (Gray) | | | | Stop Positive (Not Analyzed) |
| SP-57 021502365-0057 | Pitch @ #9 (Gray) | | | | Stop Positive (Not Analyzed) |
| SP-58 021502365-0058 | Roof Patch @ #9 (Brown) | Brown/Black Fibrous Homogeneous | 5% Cellulose | 90% Non-fibrous (other) | 5% Chrysotile |
| SP-59 021502365-0059 | Roof Patch @ #9 (Brown) | | | | Stop Positive (Not Analyzed) |
| SP-60 021502365-0060 | Roof Patch @ #9 (Brown) | | | | Stop Positive (Not Analyzed) |
| SP-61 021502365-0061 | Vent Flashing @ #9 | Brown/Black Fibrous Homogeneous | 10% Cellulose | 90% Non-fibrous (other) | None Detected |

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|-------------------------|----------------------------|---|--------------|-------------------------|-------------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-62 021502365-0062 | Vent Flashing @ #9 | Brown/Black Fibrous Homogeneous | 8% Cellulose | 87% Non-fibrous (other) | 5% Chrysotile |
| SP-63 021502365-0063 | Vent Flashing @ #9 | | | | Stop Positive (Not Analyzed) |
| SP-64 021502365-0064 | Pitch (Tin Roof) @ #12 | Black/Silver/Orange Non-Fibrous Homogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| SP-65 021502365-0065 | Pitch (Tin Roof) @ #12 | Black/Silver Non-Fibrous Homogeneous | 1% Cellulose | 99% Non-fibrous (other) | None Detected |
| SP-66 021502365-0066 | Pitch (Tin Roof) @ #12 | Brown/Black Non-Fibrous Homogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| SP-67 021502365-0067 | Cool Seal (Tin Roof) @ #12 | Gray/Silver Non-Fibrous Homogeneous | 2% Cellulose | 98% Non-fibrous (other) | None Detected |
| SP-68 021502365-0068 | Cool Seal (Tin Roof) @ #12 | Gray/Silver Non-Fibrous Homogeneous | 1% Cellulose | 99% Non-fibrous (other) | None Detected |
| SP-69 021502365-0069 | Cool Seal (Tin Roof) @ #12 | Gray/Silver Non-Fibrous Homogeneous | 3% Cellulose | 97% Non-fibrous (other) | None Detected |

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| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------------------------------|-------------------------|--|---|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-70 <i>021502365-0070</i> | Asphalt Shingle @ #12 | Gray/Black/Green Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-71 <i>021502365-0071</i> | Asphalt Shingle @ #12 | Gray/Black Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-72 <i>021502365-0072</i> | Asphalt Shingle @ #12 | Gray/Black/Green Fibrous Heterogeneous | 8% Glass | 92% Non-fibrous (other) | None Detected |
| SP-73 <i>021502365-0073</i> | Black Paper @ #12 | Black Fibrous Homogeneous | 70% Cellulose <1% Synthetic <1% Glass | 30% Non-fibrous (other) | None Detected |
| SP-74 <i>021502365-0074</i> | Black Paper @ #12 | Black Fibrous Homogeneous | 70% Cellulose <1% Synthetic | 30% Non-fibrous (other) | None Detected |
| SP-75 <i>021502365-0075</i> | Black Paper @ #12 | Black Fibrous Homogeneous | 70% Cellulose <1% Synthetic | 30% Non-fibrous (other) | None Detected |
| SP-76 <i>021502365-0076</i> | Pitch (Vent Pipe) @ #12 | Brown/Gray/Black Fibrous Homogeneous | 2% Cellulose | 88% Non-fibrous (other) | 10% Chrysotile |
| SP-77 <i>021502365-0077</i> | Pitch (Vent Pipe) @ #12 | | | | Stop Positive (Not Analyzed) |

Analyst(s)

*Kristie Elliott (38)**Scott Combs (44)*Stephen Bennett, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial report from 05/12/2015 09:33:16

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 021502365 |
| CustomerID: | DAVI57 |
| CustomerPO: | 01333900 |
| ProjectID: | |

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/12/2015
 Collected:

Project: **01333900**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--------------------------------|----------------------------|--|--------------------------------|--------------------------------------|-------------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-78 <i>021502365-0078</i> | Pitch (Vent Pipe) @ #12 | | | | Stop Positive (Not Analyzed) |
| SP-79 <i>021502365-0079</i> | Asphalt Shingles @ #15 | Gray/White/Black Fibrous Heterogeneous | 5% Glass <1% Cellulose | 95% Non-fibrous (other) | None Detected |
| SP-80 <i>021502365-0080</i> | Asphalt Shingles @ #15 | Gray/White/Black Fibrous Heterogeneous | 8% Glass <1% Cellulose | 92% Non-fibrous (other) | None Detected |
| SP-81 <i>021502365-0081</i> | Asphalt Shingles @ #15 | Gray/White/Black Fibrous Heterogeneous | 8% Glass <1% Cellulose | 92% Non-fibrous (other) | None Detected |
| SP-82 <i>021502365-0082</i> | Black Paper @ #15 | Black Fibrous Homogeneous | 70% Cellulose <1% Synthetic | 30% Non-fibrous (other) | None Detected |
| SP-83 <i>021502365-0083</i> | Black Paper @ #15 | Black Fibrous Homogeneous | 70% Cellulose <1% Synthetic | 30% Non-fibrous (other) | None Detected |
| SP-84 <i>021502365-0084</i> | Black Paper @ #15 | Black Fibrous Homogeneous | 70% Cellulose <1% Synthetic | 30% Non-fibrous (other) | None Detected |
| SP-85 <i>021502365-0085</i> | Pitch @ #15 (Gray) | Gray/Black Fibrous Heterogeneous | 1% Cellulose | 3% Quartz 88% Non-fibrous (other) | 8% Chrysotile |
| SP-86 <i>021502365-0086</i> | Pitch @ #15 (Gray) | | | | Stop Positive (Not Analyzed) |

Analyst(s) _____

Kristie Elliott (38)

Scott Combs (44)

Stephen Bennett, Laboratory Manager
or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial report from 05/12/2015 09:33:16



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>

greensborolab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 021502365 |
| CustomerID: | DAVI57 |
| CustomerPO: | 01333900 |
| ProjectID: | |

| | |
|---|---|
| Attn: Mark Stevens Davis & Floyd P.O. Drawer 428 Greenwood, SC 29648 | Phone: (864) 229-4413 Fax: (864) 229-7119 Received: 05/07/15 11:30 AM Analysis Date: 5/12/2015 Collected: |
| Project: 01333900 | |

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|---------------------|--|---------------------------|--------------------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-87 <i>021502365-0087</i> | Pitch @ #15 (Gray) | | | | Stop Positive (Not Analyzed) |
| SP-88 <i>021502365-0088</i> | Pitch @ #15 (Black) | Tan/Black Fibrous Heterogeneous | 8% Cellulose | 2% Quartz 90% Non-fibrous (other) | None Detected |
| SP-89-Black/Tan Tar Layer <i>021502365-0089</i> | Pitch @ #15 (Black) | Tan/Black Fibrous Heterogeneous | 8% Cellulose | 2% Quartz 90% Non-fibrous (other) | None Detected |
| SP-89-Shingle <i>021502365-0089A</i> | Pitch @ #15 (Black) | Gray/Black Fibrous Heterogeneous | 5% Glass <1% Cellulose | 95% Non-fibrous (other) | None Detected |
| SP-90-Black/Tan Tar Layer <i>021502365-0090</i> | Pitch @ #15 (Black) | Tan/Black Fibrous Heterogeneous | 5% Cellulose | 5% Quartz 90% Non-fibrous (other) | None Detected |
| SP-90-Shingle <i>021502365-0090A</i> | Pitch @ #15 (Black) | Gray/Black Fibrous Heterogeneous | 8% Glass <1% Cellulose | 92% Non-fibrous (other) | None Detected |
| SP-91 <i>021502365-0091</i> | Asphalt Roll (ADD) | Gray/Black/Beige Fibrous Heterogeneous | 5% Glass <1% Cellulose | 95% Non-fibrous (other) | None Detected |
| SP-92 <i>021502365-0092</i> | Asphalt Roll (ADD) | Tan/Black/Beige Fibrous Heterogeneous | 5% Glass <1% Cellulose | 95% Non-fibrous (other) | None Detected |

Analyst(s)

 Kristie Elliott (38)
 Scott Combs (44)


 Stephen Bennett, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial report from 05/12/2015 09:33:16

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021502365

CustomerID: DAVI57

CustomerPO: 01333900

ProjectID:

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/12/2015
 Collected:

Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|---|--------------------|--|--------------------------|-------------------------|------------------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| SP-93 021502365-0093 | Asphalt Roll (ADD) | Tan/Black/Beige Fibrous Heterogeneous | 5% Glass 1% Cellulose | 94% Non-fibrous (other) | None Detected |
| SP-94 021502365-0094 | Roof Patch (White) | White/Black/Silver Fibrous Heterogeneous | 20% Cellulose | 80% Non-fibrous (other) | <1% Chrysotile |
| SP-95-White Membrane 021502365-0095 | Roof Patch (White) | White/Black Fibrous Heterogeneous | 15% Cellulose | 85% Non-fibrous (other) | None Detected |
| SP-95-Black/Silver Tar 021502365-0095A | Roof Patch (White) | Brown/Black/Silver Fibrous Heterogeneous | 3% Cellulose | 94% Non-fibrous (other) | 3% Chrysotile |
| SP-96-White Membrane 021502365-0096 | Roof Patch (White) | White/Black Fibrous Homogeneous | 20% Synthetic | 80% Non-fibrous (other) | None Detected |
| SP-96-Black/Silver Tar 021502365-0096A | Roof Patch (White) | | | | Stop Positive (Not Analyzed) |

Analyst(s)

Kristie Elliott (38)

Scott Combs (44)

Stephen Bennett, Laboratory Manager
or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial report from 05/12/2015 09:33:16

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021502365

CustomerID: DAVI57

CustomerPO: 01333900

ProjectID:

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/13/2015
 Collected:

Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via Transmission Electron Microscopy. Chatfield Method (rev 2)

| SAMPLE ID | COLOR | APPROX. MATRIX MATERIAL | NON-ASBESTOS FIBERS | RANGE | ASBESTOS TYPE | AVG | Notes |
|-------------------------|----------------|-------------------------|---------------------|-------|---------------|-----|-------|
| SP-03 021502365-0097 | Black Gray | 100.0% | ND | | ND | | |
| SP-06 021502365-0098 | Black | 100.0% | ND | | ND | | |
| SP-09 021502365-0099 | Black Gray | 100.0% | ND | | ND | | |
| SP-12 021502365-0100 | Black | 100.0% | ND | | ND | | |
| SP-18 021502365-0101 | Black Gray | 100.0% | ND | | ND | | |
| SP-21 021502365-0102 | Black | 100.0% | ND | | ND | | |
| SP-27 021502365-0103 | Black White | 100.0% | ND | | ND | | |
| SP-30 021502365-0104 | Black | 100.0% | ND | | ND | | |
| SP-36 021502365-0105 | Black Gray | 100.0% | ND | | ND | | |
| SP-39 021502365-0106 | Black Gray | 100.0% | ND | | ND | | |
| SP-42 021502365-0107 | Black Gray | 100.0% | ND | | ND | | |
| SP-45 021502365-0108 | Black | 100.0% | ND | | ND | | |

Analyst(s)

Stephen Bennett (24)

Stephen Bennett, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from 05/13/2015 09:57:14

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Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021502365

CustomerID: DAVI57

CustomerPO: 01333900

ProjectID:

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
 Fax: (864) 229-7119
 Received: 05/07/15 11:30 AM
 Analysis Date: 5/13/2015
 Collected:

Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via Transmission Electron Microscopy. Chatfield Method (rev 2)

| SAMPLE ID | COLOR | APPROX. MATRIX MATERIAL | NON-ASBESTOS FIBERS | RANGE | ASBESTOS TYPE | AVG | Notes |
|---|----------------|-------------------------|---------------------|-------|---------------|-----|-------|
| SP-51 021502365-0109 | Black Gray | 100.0% | ND | | ND | | |
| SP-54 021502365-0110 | Black | 100.0% | ND | | ND | | |
| SP-66 021502365-0111 | Black | 100.0% | ND | | ND | | |
| SP-69 021502365-0112 | Gray Silver | 100.0% | ND | | ND | | |
| SP-72 021502365-0113 | Black Gray | 100.0% | ND | | ND | | |
| SP-75 021502365-0114 | Black | 100.0% | ND | | ND | | |
| SP-81 021502365-0115 | Black Gray | 100.0% | ND | | ND | | |
| SP-84 021502365-0116 | Black | 100.0% | ND | | ND | | |
| SP-90 - Black/Tan Tar Layer 021502365-0117 | Black Tan | 100.0% | ND | | ND | | |
| SP-90 - Shingle 021502365-0118 | Black Gray | 100.0% | ND | | ND | | |
| SP-93 021502365-0119 | Black Tan | 100.0% | ND | | ND | | |
| SP-96 - White Membrane 021502365-0120 | White Black | 100.0% | ND | | ND | | |

Analyst(s)

Stephen Bennett (24)

Stephen Bennett, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from 05/13/2015 09:57:14



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
<http://www.EMSL.com> greensborolab@emsl.com

EMSL Order: 021502365
CustomerID: DAVI57
CustomerPO: 01333900
ProjectID:

Attn: **Mark Stevens**
Davis & Floyd
P.O. Drawer 428
Greenwood, SC 29648

Phone: (864) 229-4413
Fax: (864) 229-7119
Received: 05/07/15 11:30 AM
Analysis Date: 5/13/2015
Collected:

Project: 01333900

Test Report: Asbestos Analysis of Bulk Materials via Transmission Electron Microscopy. Chatfield Method (rev 2)

| SAMPLE ID | COLOR | APPROX. MATRIX MATERIAL | NON-ASBESTOS FIBERS | RANGE | ASBESTOS TYPE | AVG | Notes |
|-----------|-------|-------------------------|---------------------|-------|---------------|-----|-------|
|-----------|-------|-------------------------|---------------------|-------|---------------|-----|-------|

Analyst(s)
Stephen Bennett (24)


Stephen Bennett, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from 05/13/2015 09:57:14

0365



Asbestos Lab Services Chain of Custody EMSL Order Number (Lab Use Only):

Kernersville, NC
706 Gralin Street
Kernersville, NC 27284
PHONE: (336) 992-1025
FAX: (336) 992-4175

| | | | |
|-------------------------------------|--|---|-------------------------|
| Company: DAVIS & FLOYD, INC. | | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small> | |
| Street: P.O. DRAWER 428 | | <i>Third Party Billing requires written authorization from third party</i> | |
| City/State/Zip: GREENWOOD, SC 29648 | | | |
| Report To (Name): MARK STEVENS | | Fax: (864) 229-7119 | |
| Telephone: (864) 229-4413 | | Email Address: mstevens@davisfloyd.com | |
| Project Name/Number: 01333900 | | | |
| Please Provide Results: Email | | Purchase Order: SAME | State Samples Taken: SC |

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*For TEM Air 3 hours/6 hours, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

| | | |
|---|---|---|
| PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%) | TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input checked="" type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | TEM-Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input type="checkbox"/> |
|---|---|---|

Check For Positive Stop - Clearly Identify Homogeneous Group

Samplers Name: MARK H. STEVENS Samplers Signature: [Signature]

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|------------------------------|----------------------------------|----------------------|
| SP-01 | ASPHALT SHINGLE @ #16 | 1 | 5-5-15 |
| SP-02 | ASPHALT SHINGLE @ #16 | 1 | |
| SP-03 | ASPHALT SHINGLE @ #16 | 1 | |
| SP-04 | BLACK PAPER @ #16 | 2 | |
| SP-05 | BLACK PAPER @ #16 | 2 | |
| SP-06 | BLACK PAPER @ #16 | 2 | |
| SP-07 | ASPHALT SHINGLE @ #16 (ADD.) | 3 | |
| SP-08 | ASPHALT SHINGLE @ #16 (ADD.) | 3 | |

Client Sample # (s): _____ Total # of Samples: _____

Relinquished (Client): [Signature] Date: 5-6-15 Time: 0830

Received (Lab): [Signature] Date: 5-7-15 Time: 11:30

Comments/Special Instructions:
PLEASE HAVE TEM'S READY @ SAME TIME. THANKS!

UPS 1Z 41X 262 0350694622

2365



Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

Kernersville, NC
 706 Galin Street
 Kernersville, NC 27284
 PHONE: (336) 992-1025
 FAX: (336) 992-4175

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|------------------------------|----------------------------------|----------------------|
| SP-09 | ASPHALT SHINGLE @ #16 (ADD.) | 3 | 5-5-15 |
| SP-10 | BLACK PAPER @ #16 (ADD.) | 4 | |
| SP-11 | BLACK PAPER @ #16 (ADD.) | 4 | |
| SP-12 | BLACK PAPER @ #16 (ADD.) | 4 | |
| SP-13 | PITCH @ #16 | 5 | |
| SP-14 | PITCH @ #16 | 5 | |
| SP-15 | PITCH @ #16 | 5 | |
| SP-16 | ASPHALT SHINGLE @ #74 | 6 | |
| SP-17 | ASPHALT SHINGLE @ #74 | 6 | |
| SP-18 | ASPHALT SHINGLE @ #74 | 6 | |
| SP-19 | BLACK PAPER @ #74 | 7 | |
| SP-20 | BLACK PAPER @ #74 | 7 | |
| SP-21 | BLACK PAPER @ #74 | 7 | |
| SP-22 | PITCH @ #74 | 8 | |
| SP-23 | PITCH @ #74 | 8 | |
| SP-24 | PITCH @ #74 | 8 | |

Comments/Special Instructions:

2365



EMSL ANALYTICAL, INC.

Asbestos Lab Services Chain of Custody

EMSL Order Number (Lab Use Only):

Kernersville, NC
706 Galin Street
Kernersville, NC 27284
PHONE: (336) 992-1025
FAX: (336) 992-4175

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|------------------------------------|----------------------------------|----------------------|
| SP-25 | ASPHALT SHINGLE @ #73 | 9 | |
| SP-26 | ASPHALT SHINGLE @ #73 | 9 | |
| SP-27 | ASPHALT SHINGLE @ #73 | 9 | |
| SP-28 | BLACK PAPER @ #73 | 10 | |
| SP-29 | BLACK PAPER @ #73 | 10 | |
| SP-30 | BLACK PAPER @ #73 | 10 | |
| SP-31 | PITCH @ #73 | 11 | |
| SP-32 | PITCH @ #73 | 11 | |
| SP-33 | PITCH @ #73 | 11 | |
| SP-34 | ASPHALT SHINGLE (TOP) #17 | 12 | |
| SP-35 | ASPHALT SHINGLE (TOP) #17 | 12 | |
| SP-36 | ASPHALT SHINGLE (TOP) #17 | 12 | |
| SP-37 | ASPHALT SHINGLE (BOTTOM) #17 | 13 | |
| SP-38 | ASPHALT SHINGLE (BOTTOM) #17 | 13 | |
| SP-39 | ASPHALT SHINGLE (BOTTOM) #17 | 13 | |
| SP-40 | ASPHALT SHINGLE (AT SHED ROOF) #17 | 14 | |

Comments/Special Instructions:

Controlled Document - Asbestos Lab Services COC - A1.0 - 11/23/2009

Page 3 of 7 Pages

2365


Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

 Kernersville, NC
 706 Galin Street
 Kernersville, NC 27284
 PHONE: (336) 992-1025
 FAX: (336) 992-4175

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|--------------------------------|-----------------------------------|----------------------------------|----------------------|
| SP-41 | ASPHALT SHINGLE (@ SHED ROOF) #17 | 14 | 5-5-15 |
| SP-42 | ASPHALT SHINGLE (@ SHED ROOF) #17 | 14 | |
| SP-43 | BLACK PAPER @ #17 | 15 | |
| SP-44 | BLACK PAPER @ #17 | 15 | |
| SP-45 | BLACK PAPER @ #17 | 15 | |
| SP-46 | PITCH @ #17 | 16 | |
| SP-47 | PITCH @ #17 | 16 | |
| SP-48 | PITCH @ #17 | 16 | |
| SP-49 | ASPHALT SHINGLE #9 | 17 | |
| SP-50 | ASPHALT SHINGLE #9 | 17 | |
| SP-51 | ASPHALT SHINGLE #9 | 17 | |
| SP-52 | BLACK PAPER @ #9 | 18 | |
| SP-53 | BLACK PAPER @ #9 | 18 | |
| SP-54 | BLACK PAPER @ #9 | 18 | |
| SP-55 | PITCH @ #9 (GRAY) | 19 | |
| SP-56 | PITCH @ #9 (GRAY) | 19 | |
| Comments/Special Instructions: | | | |

Controlled Document - Asbestos Lab Services COC - A1.0 - 11/23/2009

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EMSL ANALYTICAL, INC.
LABORATORY SERVICES DIVISION
Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

 Kernersville, NC
 706 Galin Street
 Kernersville, NC 27284
 PHONE: (336) 992-1025
 FAX: (336) 992-4175

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|----------------------------|----------------------------------|----------------------|
| SP-57 | PITCH @ #9 (GRAY) | 19 | 5-5-15 |
| SP-58 | ROOF PATCH @ #9 (BROWN) | 20 | |
| SP-59 | ROOF PATCH @ #9 (BROWN) | 20 | |
| SP-60 | ROOF PATCH @ #9 (BROWN) | 20 | |
| SP-61 | VENT FLASHING @ #9 | 21 | |
| SP-62 | VENT FLASHING @ #9 | 21 | |
| SP-63 | VENT FLASHING @ #9 | 21 | |
| SP-64 | PITCH (TIN ROOF) @ #12 | 22 | |
| SP-65 | PITCH (TIN ROOF) @ #12 | 22 | |
| SP-66 | PITCH (TIN ROOF) @ #12 | 22 | |
| SP-67 | COOL SEAL (TIN ROOF) @ #12 | 23 | |
| SP-68 | COOL SEAL (TIN ROOF) @ #12 | 23 | |
| SP-69 | COOL SEAL (TIN ROOF) @ #12 | 23 | |
| SP-70 | ASPHALT SHINGLE @ #12 | 24 | |
| SP-71 | ASPHALT SHINGLE @ #12 | 24 | |
| SP-72 | ASPHALT SHINGLE @ #12 | 24 | |

Comments/Special Instructions:

Controlled Document - Asbestos Lab Services COC - A1.0 - 11/23/2009

Page 5 of 7 Pages

2365

EMSL ANALYTICAL, INC.
LABORATORY SERVICES DIVISION
Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

 Kernersville, NC
 706 Galin Street
 Kernersville, NC 27284
 PHONE: (336) 992-1025
 FAX: (336) 992-4175

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|--------------------------|----------------------------------|----------------------|
| SP-73 | BLACK PAPER @ # 12 | 25 | 5-5-15 |
| SP-74 | BLACK PAPER @ # 12 | 25 | |
| SP-75 | BLACK PAPER @ # 12 | 25 | |
| SP-76 | PITCH (VENT PIPE) @ # 12 | 26 | |
| SP-77 | PITCH (VENT PIPE) @ # 12 | 26 | |
| SP-78 | PITCH (VENT PIPE) @ # 12 | 26 | |
| SP-79 | ASPHALT SHINGLES @ # 15 | 27 | |
| SP-80 | ASPHALT SHINGLES @ # 15 | 27 | |
| SP-81 | ASPHALT SHINGLES @ # 15 | 27 | |
| SP-82 | BLACK PAPER @ # 15 | 28 | |
| SP-83 | BLACK PAPER @ # 15 | 28 | |
| SP-84 | BLACK PAPER @ # 15 | 28 | |
| SP-85 | PITCH @ # 15 (GRAY) | 29 | |
| SP-86 | PITCH @ # 15 (GRAY) | 29 | |
| SP-87 | PITCH @ # 15 (GRAY) | 29 | |
| SP-88 | PITCH @ # 15 (BLACK) | 30 | |

Comments/Special Instructions:

Controlled Document - Asbestos Lab Services COC - A1.0 - 11/23/2009

Page 6 of 7 Pages

2365



Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

Kernersville, NC
 706 Grain Street
 Kernersville, NC 27284
 PHONE: (336) 992-1025
 FAX: (336) 992-4175

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|----------------------|----------------------------------|----------------------|
| SP-89 | PITCH CO #15 (BLACK) | 30 | 5-5-15 |
| SP-90 | PITCH CO #15 (BLACK) | 30 | |
| SP-91 | ASPHALT ROLL (ADD.) | 31 | |
| SP-92 | ASPHALT ROLL (ADD.) | 31 | |
| SP-93 | ASPHALT ROLL (ADD.) | 31 | |
| SP-94 | ROOF PATCH (WHITE) | 32 | |
| SP-95 | ROOF PATCH (WHITE) | 32 | |
| SP-96 | ROOF PATCH (WHITE) | 32 | |
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Comments/Special Instructions:

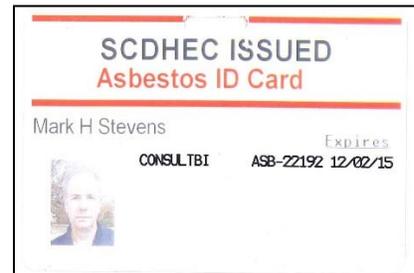
Section 4.0 Copy of Applicable Inspector Asbestos Licenses

COPY OF APPLICABLE ASBESTOS LICENSES

INSPECTOR / REPORT WRITER:

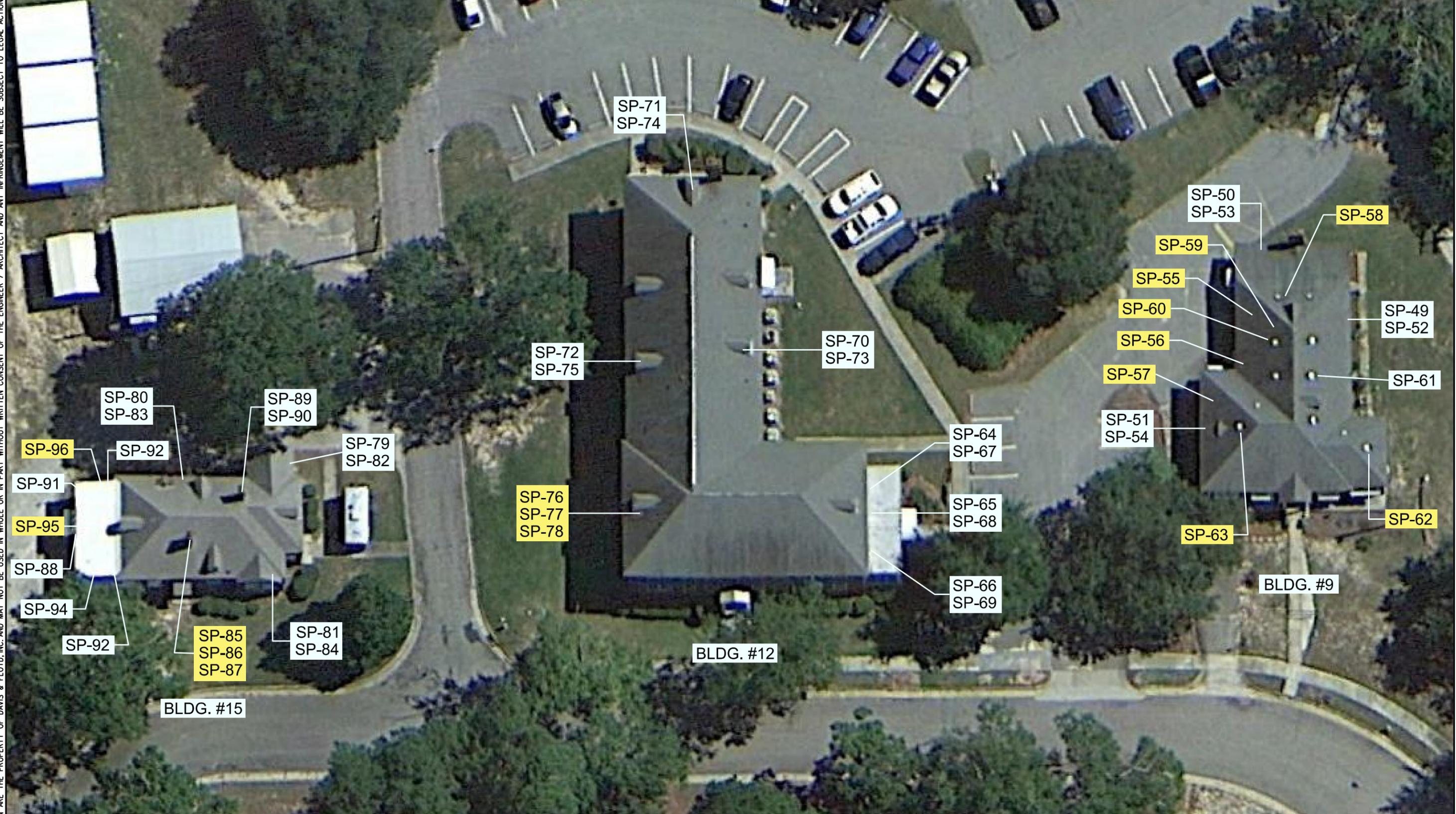
Date: 05-13-15

Mark H. Stevens
Davis & Floyd, Inc.
Environmental Services Division
SCDHEC License No. ASB-22192 (exp. 12/02/15)



Section 5.0 Sample Location Plan & Photographs

SCALE: 80'-0" / in. PEN TABLE: MS iDO_NOTHING.tbl
 PLOT DRIVER: Color pdf MS iplotcrg FILE: H:\Jobs\06\13339-00\VA\sample location plans.dwg
 THESE DRAWINGS AND THE DESIGN THEREON ARE THE PROPERTY OF DAVIS & FLOYD, INC. AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE ENGINEER / ARCHITECT AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION



LEGEND
 SP-# INDICATES SAMPLE LOCATION (SEE ASBESTOS SURVEY REPORT FOR SAMPLE RESULTS)

| | | | | | | | | | | |
|--------------------|--------------|---|--|---|--|--|------------------------|---------|------|------|
| NORTH ARROW | NOT TO SCALE | SCDHEC STATE PARK MAINTENANCE FACILITY 8500 FARROW ROAD COLUMBIA, SOUTH CAROLINA | DAVIS & FLOYD Engineering Architecture Environmental & Laboratory Services <small>GREENWOOD • CHARLESTON • COLUMBIA • GREENVILLE FLORENCE • HICKORY, NC</small> | <small>P.O. DRAWER 428 GREENWOOD, SC 29648 864-229-6211</small> | SAMPLE LOCATION PLAN | | NO. | REVISED | CHKD | DATE |
| | | | | | SITE LOCATION: LAT - 34° 5'36.46"N LON - 80°57'57.83"W | | BUILDINGS #9, #12, #15 | | | |



(HM 5) Pitch



(HM 8) Pitch



(HM 11) Pitch



(HM 16) Pitch



(HM 19) Pitch-Gray
(HM 20) Roof Patch (Brown)
(HM 21) Vent Flashing (Brown sealant around roof vents)



(HM 26) Pitch (vent pipe)



(HM 29) Pitch (Gray)
(HM 32) Roof Patch (White)

Appendix A

Permit Applications



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received: _____ Original / Revised / Cancellation (check one) Project License I.D. (For Revisions/Cancellations): _____

I. FACILITY OWNER: State Park Maintenance Facility (SCDHEC)
MAILING ADDRESS: 301 Gervais Street
CITY: Columbia STATE: SC ZIP: 29201
CONTACT PERSON: Pete Creighton, Director of Facilities PHONE: (803) 413-4171

II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (_____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #9
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 3,000 sf NO. OF FLOORS: One AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) **TO BE REMOVED ONLY:**

| TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.) | AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET) | CONDITION (CIRCLE ONE) |
|--|---|--|
| Pitch-Gray (Roofing) | 9 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| Roof Patch-Brown | 150 square feet | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
WORK DAYS: _____ WORK HOURS: _____

| | |
|---|--|
| APPLICATIONS MUST BE SUBMITTED WITH FEES PRIOR TO THE SCHEDULED START DATE AS FOLLOWS: | FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING MATERIALS: |
| NESHAP PROJECTS: 10 WORKING DAYS | 10 CENTS PER SQUARE FOOT OR LINEAR FOOT |
| SMALL PROJECTS: 4 WORKING DAYS | MINIMUM FEE OF \$25.00 |
| MINOR PROJECTS: 2 WORKING DAYS | MAXIMUM FEE OF \$1000.00 |

Non-Friable (NESAP-sized) Projects: 4 working days. No fee for non-friable ACM.

For additional information concerning regulatory requirements call or visit our Web site at <http://www.scdhec.gov/environment/baq/asbestos.aspx>

VIII. DESCRIPTION OF PLANNED ABATEMENT WORK & METHOD(S) TO BE USED:

IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

X. WASTE TRANSPORTER #1: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

WASTE TRANSPORTER #2: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

DESCRIPTION OF SUDDEN, UNEXPECTED EVENT:

EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

XIII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLLED, PULVERIZED OR REDUCED TO POWDER:

XIV. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE DURING THE RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)

XIV. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received: _____ Original / Revised / Cancellation (check one) Project License I.D. (For Revisions/Cancellations): _____

I. FACILITY OWNER: State Park Maintenance Facility (SCDHEC)
MAILING ADDRESS: 301 Gervais Street
CITY: Columbia STATE: SC ZIP: 29201
CONTACT PERSON: Pete Creighton, Director of Facilities PHONE: (803) 413-4171

II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (_____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #12
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 14,000 sf NO. OF FLOORS: Two AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) **TO BE REMOVED ONLY:**

| TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.) | AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET) | CONDITION (CIRCLE ONE) |
|--|---|--|
| Pitch (Roofing) | 8 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
WORK DAYS: _____ WORK HOURS: _____

| | |
|---|---|
| APPLICATIONS MUST BE SUBMITTED WITH FEES PRIOR TO THE SCHEDULED START DATE AS FOLLOWS: NESHAP PROJECTS: 10 WORKING DAYS SMALL PROJECTS: 4 WORKING DAYS MINOR PROJECTS: 2 WORKING DAYS | FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING MATERIALS: 10 CENTS PER SQUARE FOOT OR LINEAR FOOT MINIMUM FEE OF \$25.00 MAXIMUM FEE OF \$1000.00 |
|---|---|

Non-Friable (NESAP-sized) Projects: 4 working days. No fee for non-friable ACM.

For additional information concerning regulatory requirements call or visit our Web site at <http://www.scdhec.gov/environment/baq/asbestos.aspx>

VIII. DESCRIPTION OF PLANNED ABATEMENT WORK & METHOD(S) TO BE USED:

IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

X. WASTE TRANSPORTER #1: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

WASTE TRANSPORTER #2: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

DESCRIPTION OF SUDDEN, UNEXPECTED EVENT:

EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

XIII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLD, PULVERIZED OR REDUCED TO POWDER:

XIV. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE DURING THE RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)

XIV. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received: _____ Original / Revised / Cancellation (check one) Project License I.D. (For Revisions/Cancellations): _____

I. FACILITY OWNER: State Park Maintenance Facility (SCDHEC)
MAILING ADDRESS: 301 Gervais Street
CITY: Columbia STATE: SC ZIP: 29201
CONTACT PERSON: Pete Creighton, Director of Facilities PHONE: (803) 413-4171

II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (_____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #15
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 2,100 sf NO. OF FLOORS: One AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) **TO BE REMOVED ONLY:**

| TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.) | AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET) | CONDITION (CIRCLE ONE) |
|--|---|--|
| Pitch-Gray (Roofing) | 8 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| Roof Patch (White) | 10 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
WORK DAYS: _____ WORK HOURS: _____

| | |
|---|---|
| APPLICATIONS MUST BE SUBMITTED WITH FEES PRIOR TO THE SCHEDULED START DATE AS FOLLOWS: NESHAP PROJECTS: 10 WORKING DAYS SMALL PROJECTS: 4 WORKING DAYS MINOR PROJECTS: 2 WORKING DAYS | FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING MATERIALS: 10 CENTS PER SQUARE FOOT OR LINEAR FOOT MINIMUM FEE OF \$25.00 MAXIMUM FEE OF \$1000.00 |
|---|---|

Non-Friable (NESAP-sized) Projects: 4 working days. No fee for non-friable ACM.

For additional information concerning regulatory requirements call or visit our Web site at <http://www.scdhec.gov/environment/baq/asbestos.aspx>

VIII. DESCRIPTION OF PLANNED ABATEMENT WORK & METHOD(S) TO BE USED:

IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

X. WASTE TRANSPORTER #1: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

WASTE TRANSPORTER #2: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

DESCRIPTION OF SUDDEN, UNEXPECTED EVENT:

EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

XIII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLD, PULVERIZED OR REDUCED TO POWDER:

XIV. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE DURING THE RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)

XIV. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received: _____ Original / Revised / Cancellation (check one) Project License I.D. (For Revisions/Cancellations): _____

I. FACILITY OWNER: State Park Maintenance Facility (SCDHEC)
MAILING ADDRESS: 301 Gervais Street
CITY: Columbia STATE: SC ZIP: 29201
CONTACT PERSON: Pete Creighton, Director of Facilities PHONE: (803) 413-4171

II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (_____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #16
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 1,600 sf NO. OF FLOORS: One AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) **TO BE REMOVED ONLY:**

| TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.) | AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET) | CONDITION (CIRCLE ONE) |
|--|---|--|
| Pitch (Roofing) | 9 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
WORK DAYS: _____ WORK HOURS: _____

| | |
|--|--|
| <p>APPLICATIONS MUST BE SUBMITTED WITH FEES PRIOR TO THE SCHEDULED START DATE AS FOLLOWS: NESHAP PROJECTS: 10 WORKING DAYS SMALL PROJECTS: 4 WORKING DAYS MINOR PROJECTS: 2 WORKING DAYS</p> | <p>FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING MATERIALS: 10 CENTS PER SQUARE FOOT OR LINEAR FOOT MINIMUM FEE OF \$25.00 MAXIMUM FEE OF \$1000.00</p> |
|--|--|

Non-Friable (NESAP-sized) Projects: 4 working days. No fee for non-friable ACM.

For additional information concerning regulatory requirements call or visit our Web site at <http://www.scdhec.gov/environment/baq/asbestos.aspx>

VIII. DESCRIPTION OF PLANNED ABATEMENT WORK & METHOD(S) TO BE USED:

IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

X. WASTE TRANSPORTER #1: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

WASTE TRANSPORTER #2: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

DESCRIPTION OF SUDDEN, UNEXPECTED EVENT:

EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

XIII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLLED, PULVERIZED OR REDUCED TO POWDER:

XIV. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE DURING THE RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)

XIV. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received: _____ Original / Revised / Cancellation (check one) Project License I.D. (For Revisions/Cancellations): _____

I. FACILITY OWNER: State Park Maintenance Facility (SCDHEC)
MAILING ADDRESS: 301 Gervais Street
CITY: Columbia STATE: SC ZIP: 29201
CONTACT PERSON: Pete Creighton, Director of Facilities PHONE: (803) 413-4171

II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (_____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #17
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 1,650 sf NO. OF FLOORS: One AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____
COMPANY: _____ PHONE: (_____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) **TO BE REMOVED ONLY:**

| TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.) | AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET) | CONDITION (CIRCLE ONE) |
|--|---|--|
| Pitch (Roofing) | 9 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
WORK DAYS: _____ WORK HOURS: _____

| | |
|--|--|
| <p>APPLICATIONS MUST BE SUBMITTED WITH FEES PRIOR TO THE SCHEDULED START DATE AS FOLLOWS: NESHAP PROJECTS: 10 WORKING DAYS SMALL PROJECTS: 4 WORKING DAYS MINOR PROJECTS: 2 WORKING DAYS</p> | <p>FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING MATERIALS: 10 CENTS PER SQUARE FOOT OR LINEAR FOOT MINIMUM FEE OF \$25.00 MAXIMUM FEE OF \$1000.00</p> |
|--|--|

Non-Friable (NESAP-sized) Projects: 4 working days. No fee for non-friable ACM.

For additional information concerning regulatory requirements call or visit our Web site at <http://www.scdhec.gov/environment/baq/asbestos.aspx>

VIII. DESCRIPTION OF PLANNED ABATEMENT WORK & METHOD(S) TO BE USED:

IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

X. WASTE TRANSPORTER #1: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

WASTE TRANSPORTER #2: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

DESCRIPTION OF SUDDEN, UNEXPECTED EVENT:

EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

XIII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLD, PULVERIZED OR REDUCED TO POWDER:

XIV. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE DURING THE RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)

XIV. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received: _____ Original / Revised / Cancellation (check one) Project License I.D. (For Revisions/Cancellations): _____

I. FACILITY OWNER: State Park Maintenance Facility (SCDHEC)
MAILING ADDRESS: 301 Gervais Street
CITY: Columbia STATE: SC ZIP: 29201
CONTACT PERSON: Pete Creighton, Director of Facilities PHONE: (803) 413-4171

II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #73
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 2,000 sf NO. OF FLOORS: One AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____
COMPANY: _____ PHONE: (____) _____
DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) **TO BE REMOVED ONLY:**

| TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.) | AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET) | CONDITION (CIRCLE ONE) |
|--|---|--|
| Pitch (Roofing) | 6 square feet | <input type="checkbox"/> FRIABLE <input checked="" type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |
| | | <input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE |

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
WORK DAYS: _____ WORK HOURS: _____

APPLICATIONS MUST BE SUBMITTED WITH FEES PRIOR TO THE SCHEDULED START DATE AS FOLLOWS:
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FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING MATERIALS:
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IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

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CONTACT PERSON: _____ PHONE: (_____) _____

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MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

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EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

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(SIGNATURE OF OWNER/OPERATOR)

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ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

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II. REMOVAL CONTRACTOR: _____
MAILING ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT PERSON: _____ PHONE: (_____) _____
E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT
FEDERAL I.D. NUMBER: _____
DHEC CONTRACTOR LICENSE NO. (If applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: Building #74
STREET ADDRESS: 8500 Farrow Road
CITY: Columbia STATE: SC COUNTY: Richland
SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): Roof
BUILDING SIZE: 1,800 sf NO. OF FLOORS: One AGE IN YEARS: 70 (+/-)
PRESENT USE: Office PRIOR USE: Office FUTURE USE: Office

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____
COMPANY: _____ PHONE: (_____) _____
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VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____
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MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

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MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (_____) _____

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