



April 22, 2024

Graham County, North Carolina
Jason Marino
Construction Project Manager
196 Knight Street
Robbinsville, NC 28771

Subject: Limited Asbestos Survey – Jail Area Only
11 Court Street – Robbinsville, NC Project
Number: FDG240113

Mr. Marino:

Fleetwood Daniels Group, L.L.C. (FDG) is pleased to present this report for the Asbestos Survey conducted at the above referenced location. This report contains project information, survey procedures and survey results.

PROJECT INFORMATION

FDG performed a limited survey to identify asbestos-containing materials which may be required to be removed prior to demolition or renovation at the above referenced address. It is our understanding that only the jail portion of the building may undergo renovations. There are two main areas of the jail portion of the building, this report identifies them as Office Areas and Cell Areas. The Office Area includes the Entrance Hall, Jailer Office, Intake Office and Laundry. The Cell Areas include all areas outside of the office. The area of the building that houses the probation office was not included in this scope of work. The sampling was performed on April 16, 2024 by FDG's inspector Suzanne Hinson (NC Asbestos Inspector #12396).

ASBESTOS SURVEY PROCEDUES

The asbestos survey began with a walk-through of the building observing accessible areas for the presence of suspect asbestos-containing materials (ACM). Both friable and non-friable suspect asbestos-containing materials were considered during the course of the survey. Friable materials are those materials which can be pulverized or reduced to powder by hand pressure. A sampling strategy was determined and bulk samples of suspect ACM were obtained. Suspect ACM's were grouped based on material homogeneity. A homogeneous area is an area which contains materials that seem by texture, color and wear to be uniform and applied during the same general time period.

The collected samples were placed into individual sample containers, sealed and a unique identification number was assigned to the sample at the time of collection. To determine the presence or absence of asbestos in the suspect materials, collected samples were transported with chain-of-custody documentation for laboratory analysis to SAI Laboratories located in Greensboro, North Carolina.

ANALYSIS PROCEDURES

The collected asbestos samples were analyzed using Polarized Light Microscopy (PLM) in conjunction with dispersion staining techniques using EPA Method 600/M4-82-020 per 40 CFR 763. The bulk laboratory analysis provided the asbestos content (positive or negative), percentage of asbestos, asbestos type and identification of other non-asbestos fibers. A material is considered to be asbestos-containing if greater than 1% asbestos is found in the material. The sampled materials are presented in the following Asbestos Sampling Summary table.

ASBESTOS BULK SAMPLING RESULTS

SAMPLE ID#	SAMPLE DESCRIPTION	LOCATION	PERCENT & TYPE OF ASBESTOS
GC-1a,b GC-2a,b	Plaster	Office Areas of Jail	Finish: NAD Base: NAD
GC-3a,b GC-4a,b	12"x12" Floor Tile – White with Cream Specks – Multi Layered	Top Layer Throughout Office Areas	Tile: NAD Mastic: NAD
GC-5a,b GC-6a,b	9"x9" Floor Tile – Tan	Bottom Layer Throughout Office Areas	Tile: 7% Chrysotile Mastic: 3% Chrysotile
GC-7 GC-8	Wrap and Mastic on Fiberglass Pipe Insulation	Throughout Jail	NAD
GC-9a,b GC-10a,b	Cove Base – 4" Brown with Glue (Painted Other Colors in Areas)	Throughout Office Areas	Cove: NAD Glue: NAD
GC-11 GC-12	Carpet Glue – Yellow	Jailer Office – Over Floor Tile Layers	NAD
GC-13 GC-14	Interior Window Caulk	Interior of Windows in Cell and Office Areas	NAD
GC-15 GC-16	Rough Finish Plaster	Closet In Office Area	NAD
GC-17 GC-18	Plaster	Cell Areas of Jail	NAD
GC-19 GC-20	Exterior Window Glazing	Exterior of Windows in Cell and Office Areas	NAD

Analysis Method: PLM with Dispersion Staining

NAD: No Asbestos Detected

Current EPA regulations do not regulate the removal of materials with trace amounts (<1%) of asbestos. However OSHA regulations (CFR 29 1962.1101) require that personnel performing renovation work must be notified of the presence of this material and utilize proper work methods, PPE and training when disturbing this material.

The National Emissions Standard for Hazardous Air Pollutants (NESHAP) requires the removal of asbestos-containing materials prior to renovation or demolition activities. FDG recommends asbestos removal be performed by a qualified asbestos abatement contractor, using North Carolina accredited personnel, in accordance with applicable federal and state regulations governing the removal of asbestos-containing materials.

QUALIFICATIONS

This report summarizes FDG's evaluation of the conditions observed at the subject building during the course of the survey. Our findings are based upon our observations at the building and analyses of the samples obtained at the time of this survey. Additional asbestos-containing materials may exist (undetected) in other portions of the building due to inaccessibility, an undetectable change in materials or outside the scope of work. Any conditions discovered which deviate from the data contained in this report should be presented for our evaluation.

FDG appreciates the opportunity to have provided these services. We would be glad to discuss any of the results contained in this report at your convenience. If there are any questions concerning this report or results, please do not hesitate to contact us at 828-400-0163.

Sincerely,

FLEETWOOD DANIELS GROUP, L.L.C.

A handwritten signature in black ink, appearing to read "CH", enclosed within a thin black rectangular border.

Clay Hinson - Principal

Attachments: Laboratory Analytical Reports

Laboratory Analysis Reports



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Clay Hinson
Suzanne Hinson

Lab Order ID: 10048979
Analysis: PLM
Date Received: 04/17/2024
Date Reported: 04/18/2024

Project: FDG240113 - Graham County Jail

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
GC-1 - A	Plaster	None Detected		100% Other	White Non-Fibrous Homogeneous
10048979_0001	finish				Dissolved
GC-1 - B	Plaster	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0021	base				Dissolved
GC-2 - A	Plaster	None Detected		100% Other	White Non-Fibrous Homogeneous
10048979_0002	finish				Dissolved
GC-2 - B	Plaster	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0022	base				Dissolved
GC-3 - A	12"x12" Floor tile - white/cream - multilayer	None Detected		100% Other	White Non-Fibrous Homogeneous
10048979_0003	floor tile				Dissolved
GC-3 - B	12"x12" Floor tile - white/cream - multilayer	None Detected		100% Other	Brown, Yellow Non-Fibrous Homogeneous
10048979_0023	mixed mastic				Dissolved
GC-4 - A	12"x12" Floor tile - white/cream - multilayer	None Detected		100% Other	White Non-Fibrous Homogeneous
10048979_0004	floor tile				Dissolved
GC-4 - B	12"x12" Floor tile - white/cream - multilayer	None Detected		100% Other	Yellow, Brown Non-Fibrous Homogeneous
10048979_0024	mixed mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Patrick Yarnell (28)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
GC-5 - A	9"x9" Floor tile - tan	7% Chrysotile		93% Other	Tan Non-Fibrous Homogeneous
10048979_0005	floor tile				Dissolved
GC-5 - B	9"x9" Floor tile - tan	3% Chrysotile		97% Other	Yellow, Black Fibrous Homogeneous
10048979_0025	mastic				Dissolved
GC-6 - A	9"x9" Floor tile - tan	7% Chrysotile		93% Other	Tan Fibrous Homogeneous
10048979_0006	floor tile				Dissolved
GC-6 - B	9"x9" Floor tile - tan	3% Chrysotile		97% Other	Black Fibrous Homogeneous
10048979_0026	mastic				Dissolved
GC-7	Wrap/mastic on fiberglass pipe insulation	None Detected	70% Cellulose 10% Fiber Glass	20% Other	White, Silver Fibrous Heterogeneous
10048979_0007					Teased
GC-8	Wrap/mastic on fiberglass pipe insulation	None Detected	70% Cellulose 10% Fiber Glass	20% Other	White, Silver Fibrous Heterogeneous
10048979_0008					Teased
GC-9 - A	Cove base - 4" brown w/ glue	None Detected		100% Other	Black Non-Fibrous Homogeneous
10048979_0009	cove base				Dissolved, Ashed
GC-9 - B	Cove base - 4" brown w/ glue	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10048979_0027	glue				Dissolved

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Lab Sample ID	Lab Notes				Treatment
GC-10 - A	Cove base - 4" brown w/ glue	None Detected		100% Other	Black Non-Fibrous Homogeneous
10048979_0010	cove base				Ashed, Dissolved
GC-10 - B	Cove base - 4" brown w/ glue	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10048979_0028	glue				Dissolved
GC-11	Carpet glue	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10048979_0011					Dissolved
GC-12	Carpet glue	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10048979_0012					Dissolved
GC-13	Interior window caulk	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0013					Dissolved, Ashed
GC-14	Interior window caulk	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0014					Ashed, Dissolved
GC-15	Rough finish plaster	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10048979_0015					Dissolved
GC-16	Rough finish plaster	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10048979_0016					Dissolved

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Lab Sample ID	Lab Notes				Treatment
GC-17	Plaster	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0017					Dissolved
GC-18	Plaster	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0018					Dissolved
GC-19	Exterior window glazing	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0019					Ashed, Dissolved
GC-20	Exterior window glazing	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10048979_0020					Ashed, Dissolved

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