



Air Quality Environmental, Inc.
Environmental Consultants & Laboratory Services

9325 Seminole Boulevard, Seminole, Florida 33772 (727) 398-0900 FAX (727) 398-0996

Date: April 19, 2019

Re: Commercial Facility – Florida Fish and Wildlife (JUMRF Bldg. Fume Hoods / Fans)
100 8th Avenue SE
St. Petersburg, Florida 33701

Dear Mr. Day:

Air Quality Environmental Inc. is pleased to provide this pre-renovation asbestos survey report. Jonathan Herman, an Accredited AHERA Asbestos Inspector, performed a survey of the commercial facility (Florida Fish and Wildlife JUMRF Bldg.) located at 100 8th Avenue, St. Petersburg, Florida. For the purpose of this inspection, only the building components likely to be disturbed or removed were inspected. This report outlines the sampling and testing procedures for the potential ACM (Asbestos Containing Materials), and presents the results along with our recommendations and conclusions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jonathan Herman', with a long horizontal flourish extending to the right.

Jonathan Herman
Project Manager

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**REPORT OF BUILDING MATERIAL SURVEY, SAMPLING AND
EVALUATION OF ASBESTOS-CONTAINING MATERIALS**

FOR:

**COMMERCIAL FACILITY
PORTION OF STRUCTURE INTENDED FOR RENOVATION
FLORIDA FISH AND WILDLIFE
JUMRF BLDG. 1ST FLOOR FUME HOODS AND EXHAUST FANS
100 8TH AVENUE SE
ST. PETERSBURG, FLORIDA 33701**

PREPARED FOR:

**MR. DILLON DAY
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
100 8TH AVENUE SE
ST. PETERSBURG, FLORIDA 33701**

PREPARED BY:

**AIR QUALITY ENVIRONMENTAL, INC.
9325 SEMINOLE BOULEVARD
SEMINOLE, FLORIDA 33772
LIC# ZA361**

**AQE PROJECT NUMBER: 50269
APRIL 19, 2019**



Jonathan Herman
Project Manager



Steven A Lipson
Licensed Asbestos Consultant
Lic#AX0000043

SEC 2 - EXECUTIVE SUMMARY

The purpose of this pre-renovation survey was to identify ACM, the locations of ACM and its extent interior to the commercial facility areas scheduled for renovation activities; specifically the 1st floor fume hoods and exhaust fans 14 & 15 located at the rooftop air handler room of the JUMRF Building.

The asbestos survey was conducted pursuant to NESHAP requirements associated with the scheduled renovation plans. Mr. Jonathan Herman, an accredited building inspector, performed the survey on April 18, 2019. In accordance with the planned renovation activities, the survey was limited to the interior portions of the commercial facility slated for renovation activities as described by Mr. Dillon Day.

The facility inspector (Mr. Jonathan Herman) performed a thorough visual inspection of all accessible areas, and identified four (4) homogeneous areas of suspect asbestos-containing building materials. The facility inspector collected a total of twelve (12) bulk material samples of suspect ACM, in general compliance with the Environmental Protection Agency's (EPA's) Asbestos Hazard Emergency Response Act (AHERA, 40 CFR 763.86) protocol. **Based upon the attached laboratory results, no asbestos was detected in any of the collected samples.**

SEC 3 - FACILITY DESCRIPTION

The commercial structure is a slab on grade, block construction building with a flat roof that is utilized as an office / education and research facility. The exhaust fans (14 & 15) within the rooftop air handler room were comprised metal / concrete ducting with caulking and tan / black mastic over vibration cloth. The ceilings within the 1st floor fume hood areas were comprised of acoustical tiling (ACT) and the associated metal ductwork of the metal / glass fume hoods was comprised of metal ducting with yellow mastic. No other areas were inspected as a part of this survey.

Due to the limited scope of work only interior substrate materials were inspected during this investigation.

SEC 4 - ASBESTOS SURVEY PROCEDURES

The pre-renovation asbestos survey was performed by visually observing accessible areas of the survey area for materials likely to contain asbestos mineral fibers. An EPA accredited building inspector performed the visual observations. Both friable and non-friable materials were sampled (a friable material is one that can be crushed to a powder when dry by normal hand pressure).

After the overall visual survey was completed, representative sampling areas were determined. The surveyor delineated four (4) homogeneous areas of suspect materials and samples of these materials were obtained to generally comply with NESHAP regulations. The inspector determined sample locations based on previous experience.

After completion of the fieldwork, the samples were delivered to Air Quality Environmental Inc., in Seminole, Florida for analysis. The samples were analyzed by Polarized Light Microscopy (PLM) coupled with dispersion staining in general accordance with EPA 600/M-4-82-020. Utilizing this procedure, the various asbestos minerals (chrysotile, amosite, crocidolite, actinolite, tremolite, and anthophyllite) can be determined. The percentages of asbestos minerals in the samples were visually determined by the microscopist. Please note that the EPA designates all materials containing greater than 1% asbestos as regulated asbestos containing material.

SEC 5 – SUSPECT ASBESTOS-CONTAINING MATERIALS

A total of twelve (12) samples of suspect asbestos building materials were collected during the survey representing four (4) homogeneous areas. Building materials sampled include caulking and tan / black mastic over vibration cloth (exhaust fans 14 & 15), acoustical ceiling tile (ACT) and yellow duct mastic (1st floor fume hood areas). All samples of the above listed materials were non-detect for asbestos. ACM is defined in the NESHAP regulation as a material containing greater than one percent (1%) asbestos by PLM. A summary of the analytical results is presented in the laboratory analysis of this report. Analysis using the point counting method was not performed, but is available at the request of the client.

SEC 6 - RECOMMENDATIONS AND CONCLUSIONS

General

The Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA) and the State of Florida have promulgated regulations dealing with asbestos. For commercial building owners, the EPA NESHAP regulations require removal of asbestos prior to conducting activities, which might disturb the material. They also deal with notification, handling and disposal of asbestos.

The OSHA regulations deal with employee exposure to airborne asbestos fibers. The regulations restrict employee exposure, and require special monitoring, training and handling procedures when dealing with asbestos.

Category I non-friable materials, as defined by the EPA, may remain within a facility during demolition with no potential cessation of work provided they remain non-friable and the appropriate engineering controls (i.e.: wet methods) are utilized. However, there is no guarantee that these materials will remain non-friable. Additionally, OSHA has additional requirements that may supersede the EPA rules. In order to protect the worker, OSHA has established a permissible exposure level, which limits airborne fiber concentrations. OSHA requires objective evidence that the permissible exposure level will not be exceeded, as justification that personal air monitoring and engineering controls will not be required. OSHA has also established rules requiring the containerization and labeling of asbestos waste.

Florida regulations require that anyone involved in asbestos consulting activities be a licensed asbestos consultant and that anyone involved in asbestos abatement, with the exception of roofing materials, be a licensed asbestos abatement contractor.

Specific

The results of our observation and laboratory analysis indicate that no regulated asbestos containing materials were identified from the limited samples collected within the areas of the commercial building slated for renovation.

If any building materials other than those sampled during this pre-renovation survey are likely to be disturbed as a result of the scheduled renovation, or if any future renovations/demolitions are to be performed, an additional asbestos survey would be required.

SEC 7 – LABORATORY ANALYSIS & CHAIN OF CUSTODY



Air Quality Environmental, Inc.

Laboratory Services

9325 Seminole Boulevard, Seminole, Florida 33772 (727) 398-0900 FAX (727) 398-0996

Client Name: Florida Fish and Wildlife Conservation
100 8th Avenue S.E.
St Petersburg, FL, 33701

Project Name: JUMRF Fume Hoods and Exhaust Fans
100 8th Ave SE, St Petersburg, FL, 33701
Date Analyzed: April 18, 2019

Asbestos, Bulk Sample Analysis Test Method: PLM / DS - EPA Method - 600/R-93/116 - EPA Appx E to Subpart E of Part 763

Lab #	Client #	Sample Type	Description	% Asbestos	% Other Fibers	% Binders
437045	1	Mastic	tan mastic	NAD		100% Binders
			black wrap	NAD	70% Glass Fibers	30% Carbonates and Binders
437046	2	Mastic	tan mastic	NAD		100% Binders
			black wrap	NAD	70% Glass Fibers	30% Carbonates and Binders
437047	3	Mastic	tan mastic	NAD		100% Binders
			black wrap	NAD	70% Glass Fibers	30% Carbonates and Binders
437048	4	Caulk	tan/black	NAD	10% Cellulose	90% Carbonates and Binders
437049	5	Caulk	tan/black	NAD	10% Cellulose	90% Carbonates and Binders
437050	6	Caulk	tan/black	NAD	10% Cellulose	90% Carbonates and Binders
437051	7	Mastic	yellow	NAD		100% Binders
437052	8	Mastic	yellow	NAD		100% Binders
437053	9	Mastic	yellow	NAD		100% Binders
437054	10	Ceiling Tile	white	NAD	35% Cellulose 35% Mineral Wool	30% Perlite and Binders
437055	11	Ceiling Tile	white	NAD	35% Cellulose 35% Mineral Wool	30% Perlite and Binders
437056	12	Ceiling Tile	white	NAD	35% Cellulose 35% Mineral Wool	30% Perlite and Binders

†These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than 1% asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials which are friable or may become friable, be further analyzed by point counting when the results indicate less than 10% asbestos by CVAE. Air Quality Environmental utilizes CVAE on a routine basis and does not include point counting unless specifically requested. Additionally, these results may not be reproduced except in full. This report data is to be interpreted only by the person (s) whom have collected the samples. Furthermore, this report may not be used as a claim to product certification, approval or endorsement by NVLAP, NIST or any other agency of the Federal Government.

†Floor Tile and other resinously bound materials, when analyzed by EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, AQE recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Analyzed by:

Giancarlo Arambulo
Microscopist



Air Quality Environmental, Inc.
Laboratory Services

9325 Seminole Boulevard, Seminole, Florida 33772 (727) 398-0900 FAX (727) 398-0996

Asbestos Chain of Custody Record

Normal 3 Day Next Day Same Day Immediate

Stop First Positive: Yes No (*Receive Cut Off Time: 2pm)

Date: 4/18/19 Contact: Dillon Day

Project and/or Job Number: (50269) Email: _____

Project Address: 100 8th Ave SE - St. Petersburg FAX: _____

Client / Owner: Florida Fish and Wildlife Conservation Commission

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
1	1	Mastic over flex duct / wrap	Roof AHV Room	Exhaust fans 14 + 15 @ roof AHV room	~ 10	G	H	No
2	2	Cavik @ ductwork			NS			
3	3	yellow mastic @ hood/fume ductwork	1st fl lab	Ductwork above hoods @ labs	~ 12			
4	4	2x4' ACT		Ceiling @ labs	~ 50			Yes
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: J. Herman Date: 4/18/19

Transported By: J. Herman Date: 4/18/19

Special Instructions:

Received By / Date:

437045 -
437056

RECEIVED

APR 18 2019

BY: _____

SEC 8 – CERTIFICATIONS



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

AIR QUALITY ENVIRONMENTAL INC

STEVEN A LIPSON
9325 SEMINOLE BOULEVARD
SEMINOLE FL 33772

LICENSE NUMBER: ZA361

EXPIRATION DATE: NOVEMBER 30, 2019

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT

THE ASBESTOS CONSULTANT HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

LIPSON, STEVEN ANDREW

AIR QUALITY CONSULTING INC
1713 SOUTH KINGS AVENUE
BRANDON FL 33511

LICENSE NUMBER: AX00000043

EXPIRATION DATE: NOVEMBER 30, 2020

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Denver, CO 80221,
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

JONATHAN HERMAN

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training course under section 206 of the Toxic Substance Control Act (TSCA),

Title II entitled:

SURVEY & MECHANICAL (INSPECTOR)

COURSE COMPLETION:

JANUARY 23, 2019

EXAMINATION DATE:

JANUARY 23, 2019

EXPIRATION DATE:

JANUARY 23, 2020

COURSE HOURS:



Danaya N. Benedetto

CEO & Training Program Manager

Aaron Hix

Instructor

Credential License ID:

12466183

CHC Training Certificate No.

R19-0026-AI-O-FL



Verify this Credential



Visit our Website