



## **LIMITED AHERA ASBESTOS SURVEY REPORT**

***Fairgrounds Expo Building - Office Area  
2101 County Road 452  
Eustis, Florida 32726***

***Aptim Project No. 631023227***

***October 2024***

Submitted to:

Don Glessner  
Lake County Office of Facilities Management  
32400 County Road 473  
Leesburg, FL 34788

Submitted by:

Aptim Environmental, LLC  
1228 Winter Garden Vineland Road  
Winter Garden, Florida 34787

# LIMITED AHERA ASBESTOS SURVEY REPORT

***Fairgrounds Expo Building - Office Area  
2101 County Road 452  
Eustis, Florida 32726***

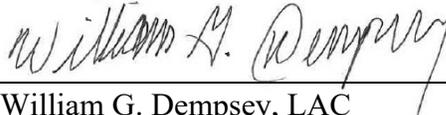
***Aptim Project No. 631023227***

***October 2024***

Prepared by:

Aptim E&I, LLC  
1228 Winter Garden Vineland Road  
Winter Garden, Florida 34787

Approved by:  Date: October 23, 2024  
Matthew O. Burklew, CHMM, REM  
Project Manager

Approved by:  Date: October 23, 2024  
William G. Dempsey, LAC  
Licensed Asbestos Consultant, AX117

## **Table of Contents**

---

List of Tables .....	ii
List of Appendices .....	ii
Acronyms and Abbreviations .....	iii
1.0 Asbestos Survey Overview .....	1
2.0 Building and Survey Information .....	3
2.1 Building Identification.....	3
2.2 Survey Identification .....	3
2.3 Building Information.....	3
2.4 Structural Data .....	3
3.0 Asbestos Survey and Assessment.....	4
3.1 Building Walk-Through and Observations .....	4
3.2 ACM Sample Results .....	4
4.0 Personnel Summary .....	5
5.0 Quality Assurance Sampling.....	6
6.0 Asbestos Operations and Maintenance (O&M) Plan and Response Action.....	7
7.0 Disclaimer .....	11

## **List of Tables**

---

Table 1 Asbestos Containing Material Summary Analysis

## **List of Figures**

---

Figure 1 Site Location Map

Figure 2 Asbestos Sample Location Map – August 28 and October 1, 2024

## **List of Appendices**

---

Appendix A Asbestos Survey Checklist

Appendix B Survey Photographs

Appendix C Laboratory Analytical Data and Chain of Custody Forms

Appendix D Credentials for Consultant, Inspectors, and Laboratories

## ***Acronyms and Abbreviations***

---

ACM	asbestos-containing material
AHERA	Asbestos Hazard Emergency Response Act
APR	air-purifying respirator
CFR	Code of Federal Regulation
COC	chain of custody
EL	excursion limit
FS	Florida Statute
HA	homogeneous area
HEPA	high-efficiency particulate air
HVAC	heating, ventilation, and air-conditioning
LF	linear foot
mm	millimeter
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PACM	presumed asbestos-containing material
PCM	phase contrast microscopy
PLM	polarized light microscopy
PPE	personal protective equipment
QA/QC	quality control/quality assurance
RACM	regulated asbestos-containing material
SF	square foot
TWA	time-weighted average
EPA	United States Environmental Protection Agency

## 1.0 Asbestos Survey Overview

---

At the request of Mr. Don Glessner of Lake County Office of Facilities Management, Aptim Environmental & Infrastructure, LLC (APTIM) performed a limited asbestos survey of Fairgrounds Expo Building - Office Area, located at 2101 County Road 452, in Eustis, Florida. APTIM performed the asbestos survey on August 28 and October 1, 2024, to determine the location, extent, and condition of suspect asbestos-containing materials (ACM) in the office area. The survey was completed per requirements of FS 376.60 and 40 CFR 61, Subpart M and was limited to interior spaces of the office area only.

The survey included the following structure and building materials.

<b>Structure</b>	<b>Description</b>
Fairgrounds Expo Building - Office Area	One story office area encompassing approximately 1,278 square feet and constructed in 1965. Interior building finishes include block and mortar painted walls, drop ceilings, vinyl floor tile or carpet over vinyl floor tile on top of concrete floors.

The following materials were identified and sampled as part of this survey: vinyl floor tile with associated mastic, covebase and associated mastic, carpet glue, 2'x2' ceiling tiles, 2'x4' ceiling tiles, insulation backing material, wall panel material, HVAC square duct, and masonry block with mortar.

Samples of suspect materials were submitted for analysis to an independent laboratory certified by the National Voluntary Laboratory Accreditation Program (NVLAP). Additionally, quality assurance/quality control (QA/QC) samples were collected and submitted for analysis to a second NVLAP-certified laboratory.

The following samples from the designated homogeneous areas (HA) were identified as ACM:

<b>Sample Number</b>	<b>HA</b>	<b>Description</b>
1.1 through 1.3	HA 1	12"x12" Vinyl Floor Tile
1.1 through 1.3	HA 1	Black mastic associated with the 12"x12" Vinyl Floor Tile

Prior to demolition or renovation, it is recommended that the ACMs listed in HA 1 above be removed utilizing a Florida-licensed asbestos abatement contractor. Proper personal protective equipment (PPE) should be used. Air monitoring should be performed by a Florida-licensed asbestos consultant during removal to assure that fibers are not released to the environment. Exterior isolation techniques will be required for work outside the structures.

## 2.0 Building and Survey Information

---

### 2.1 Building Identification

County: Lake  
Agency: Lake County Office of Facilities Management  
Building Name: Fairgrounds Expo Building - Office Area  
AK No.: 1122767  
Address and/or Geographic Location: 2101 County Road 452, Eustis, Florida  
Lake County Contact Person: Don Glessner Telephone Number: 352-253-4976

### 2.2 Survey Identification

Date of Survey: August 28 and October 1, 2024 Date of Report: October 23, 2024  
Contract No.: 21-0922  
APTIM Project No.: 631023227  
Consultant's Name: William G. Dempsey License No.: AX117 (ZA-317)  
Name of Firm: Aptim Environmental & Infrastructure, LLC  
Address: 1228 Winter Garden Vineland Road, Winter Garden, Florida 34787  
Telephone Number: 407-287-3200

### 2.3 Building Information

Year of Construction: 1965  
Renovation Dates: Unknown  
Type of Occupancy: Office personnel  
Typical Number of Occupants: <5

#### Building Documents/Drawings Available/Consulted:

Types: Plans  Yes  No Location \_\_\_\_\_  
Specifications  Yes  No Location \_\_\_\_\_  
Other  Yes  No Location Lake County Property Appraiser  
Asbestos Documents  Yes  No Location \_\_\_\_\_  
 Yes  No Location \_\_\_\_\_  
 Yes  No Location \_\_\_\_\_

Number of Stories (Floors): 1 Area Each Floor: 1,278 SF  
Penthouse Area: NA Attic Area: NA  
Basement Area: NA Crawl Space: NA  
Number of Elevators: NA Number of Stops: NA

### 2.4 Structural Data

Slab/Foundations: Concrete  
Subfloors: NA Roofs: Not part of this assessment  
Floors: Vinyl Floor Tile or Carpet over Vinyl Floor Tile  
Ceilings: Ceiling tile or painted concrete deck Exterior Walls: Not part of this assessment  
Partition Walls: Block and Mortar  
HVAC System:  Yes  No Type: split system  
Air Handlers:  Yes  No Number: Unknown Type: \_\_\_\_\_  
Boilers:  Yes  No Type: \_\_\_\_\_  
Chillers:  Yes  No Type: \_\_\_\_\_

## 3.0 Asbestos Survey and Assessment

---

### 3.1 Building Walk-Through and Observations

The office area was reportedly constructed in 1965 and exists on the southwestern portion of the Fairgrounds Expo Building. The office area encompasses approximately 1,278 SF in total area.

Typical construction includes concrete slab foundation, concrete roof deck, and block and mortar walls. Exterior components (including roofing materials) were not evaluated as part of this survey. Interior finishes include painted block and mortar walls, drop ceilings, vinyl floor tile, and carpet over vinyl floor tile. Square duct work for a split system HVAC system was identified above the drop ceilings. A site location map appears as **Figure 1**.

### 3.2 ACM Sample Results

Ten (10) HAs were sampled during the survey. The following samples from the designated homogeneous area (HA) were identified as ACM:

Sample Number	HA	Description
1.1 through 1.3	HA 1	12"x12" vinyl floor tile located throughout the office area.
1.1 through 1.3	HA 1	Black mastic associated with the 12"x12" vinyl floor tile.

Prior to demolition or renovation, it is recommended that the ACMs listed above be removed utilizing a Florida-licensed asbestos abatement contractor. Proper personal protective equipment (PPE) should be used, and containment and air monitoring should be performed to assure that fibers are not released to the environment. Interior isolation criteria will be required for work inside the structure. **Table 1** identifies the sample numbers, descriptions and locations, quantities, and analytical results of the ACM identified in the assessment. Sample locations identified during the walkthrough appear on **Figure 2**. The survey checklist is found in **Appendix A**. Photographs taken during the survey appear in **Appendix B**. Copies of the laboratory analytical data and chain of custody forms appear in **Appendix C**.

## 4.0 Personnel Summary

---

**Building Name:** Fairgrounds Expo Building - Office Area

**Building Location:** 2101 County Road 452  
Eustis, Lake County, Florida

**Date of Survey:** August 28 and October 1, 2024

<b>Name and Address</b>	<b>Task Performed</b>	<b>License or Certificate</b>
APTIM Environmental & Infrastructure, LLC 9143 Philips Highway, Suite 400 Jacksonville, Florida 32256	Asbestos Business	ZA-317
William Dempsey	Asbestos Consultant	AX117
William Dempsey APTIM Environmental & Infrastructure, LLC 1228 Winter Garden Vineland Road Winter Garden, Florida 34787	Asbestos Inspector	0078-005-1710
EMSL Analytical, Inc. 3303 Parkway Center Court Orlando, Florida 32808	Quality Assurance	NVLAP No. 101151-0
International Asbestos Testing Laboratory (IATL) 9000 Commerce Parkway, Suite B Mt. Laurel, New Jersey 08054	Bulk Analysis	NVLAP No. 101165-0

Copies of the credentials for the consultant, inspector, and laboratories appear in **Appendix D**.

## **5.0 Quality Assurance Sampling**

---

To evaluate sample collection and laboratory uniformity, APTIM collected three quality assurance/quality control (QA/QC) samples in accordance with the State of Florida Building Asbestos Survey Procedure Manual. The samples identified as sample Nos. 2.4, 4.4, and 9.4 were collected next to original sample Nos. 2.3, 4.3, and 9.3. In general, the QA/QC samples showed good correlation with the original samples.

## **6.0 Asbestos Operations and Maintenance (O&M) Plan and Response Action**

---

Any regulated asbestos-containing material (RACM) must be abated, prior to demolition or renovation, in accordance with EPA NESHAP 40 CFR, Subpart M, Part 61.135 and with the engineering controls and work practices described in the OSHA Construction Standard 1926.1101. The abatement must be performed utilizing trained persons licensed in accordance with Chapter 469, Florida Statutes (FS).

RACM is identified as follows:

- Friable ACM
- Category I nonfriable ACM that has become friable
- Category I nonfriable ACM that will be or has been subject to sanding, grinding, cutting, or abrading
- Category II nonfriable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on such material

### **Introduction**

- 1.1 This plan is an abbreviated description of required tasks to prepare for the removal of asbestos-containing materials (ACM) from the Lake County Fairgrounds Expo Building – Office Area located at 2101 County Road 452 in Eustis, Lake County, Florida.
- 1.2 All work shall be performed in strict compliance with all federal, state, and local regulations and ordinances, and in a manner, which conforms to the intent of all health and safety laws.
- 1.3 All work shall be performed in strict compliance with all federal, state, and local regulations and ordinances, and in a manner which conforms to the intent of all health and safety laws.

### **2. Scope of Work**

- 2.1 A brief description of the work is as follows:

Lake County Fairgrounds Expo Building – Office Area – Removal of the following materials:

- Approximately 1,275 square feet (SF) of vinyl floor tile and associated black mastic, located throughout the office area.

It is the contractor's responsibility to verify these quantities prior to removal. Proper personal protective equipment (PPE) should be used, and air monitoring should be performed to assure that fibers are not released to the environment. Containment should be used to minimize fiber release to interior spaces and the environment.

### **3. General Requirements**

- 3.1.1 Existing conditions are reflected correctly to the best of the County's Representative's knowledge.
- 3.1.2 In the event that conditions are encountered in the field that were not identified in the Work Plan, the County's Representative shall be notified immediately.
- 3.1.3 Modifications to the Work Plan can be made in writing by the County's Representative.
- 3.1.4 If the Contractor proceeds, without written notification from the County's Representative, the Contractor shall be solely and completely responsible for those efforts.

### **4. Project Coordination**

- 4.1 The project will be coordinated with the County's Asbestos Program Manager (APM) in conjunction with the County's Representative. The Contractor shall perform no work unless approval by the County or the County's Representative has been received. Under no circumstances shall a Contractor disrupt the daily activities of any facility/building without the prior approval of the County.
- 4.2 The Contractor shall make all necessary provisions for power, water, etc., and shall provide said utilities to the County's Representative.
- 4.3 The Contractor shall not perform any work in the absence of the County's Representative, who shall decide, in absolute discretion, as to the meaning and applicability of any part of the Work Plan and/or Master Specifications for the Asbestos Abatement.
- 4.4 All project related documentation including Pre-job Submittals, Project Quotes, FDEP Notifications, Post-Job Submittals, application for final payment, etc., shall include the County's Project Number as specified in Section 1.1 of this Work Plan.
- 4.5 Prior to commencement of work, the Contractor shall submit one copy of the required information to the County's Representative. No work will be allowed to commence without the required submittals.
- 4.6 Notifications for abatement or demolition shall be sent to the proper authorities via certified mail – return receipt requested. A copy of the signed return receipt shall be included as part of the project file.

### **5. Asbestos Abatement Requirements**

- 5.1 **Personnel and Respiratory Protection.** During isolation and preparation of the Work Area(s), a half-face negative pressure air-purifying respirator (APR) shall be the minimum required protection. Additional respiratory protection during abatement activities may be required as determined by the County's Representative.

- 5.2 Personal Protection Equipment (PPE). PPE shall consist of hoods, gloves, boots, and disposable coveralls during all isolation, preparation, and abatement activities.
- 5.3 All abatement methods shall conform to the requirements as specified in the Work Plan and the Master Specifications.
- 5.4 No asbestos abatement activities shall be performed without prior approval of the County's Representative.

## **6. Air Sampling Protocol**

The following air sampling strategy shall be complied with during the project delineated in the SOW of this Work Plan.

- 6.1 Air sampling protocol before, during, and after the removal of all asbestos work areas shall include pre-abatement air sampling (as determined by the County's Representative), post-abatement air sampling (in those areas subject to negative pressure during removal for clearance sampling), and daily air samples. All air samples shall be analyzed using phase contrast microscopy (PCM) in accordance with the NIOSH 7400 Analytical Method. All air pumps shall be fitted with 25 mm cellulose ester filter cassettes.
- 6.2 Personnel air monitoring: Personnel samples are the responsibility of the Contractor and will not be supplied by the County's Representative as a means of meeting OSHA requirements. Should planned abatement techniques disturb the interior of the doors/frames and windows, a minimum of three personnel air samples shall be collected for the purposes of determining time weighted averages (TWA) and excursion limit (EL). Personnel air samples shall be collected from the breathing zone of a minimum of 25 percent of the abatement workers performing asbestos removal activities.

## **7. Disposal of Asbestos-Containing Material Waste**

- 7.1 Disposal of ACM waste shall be in strict compliance with State and Federal Regulations. All material shall be placed in a closed top pushcart, or equal, before being taken outside the Work Area. In no case shall asbestos waste containers be carried unprotected from the Work Area where the distance to the dumpster or transport is more than a 50-foot distance.

## **8. Post-Job Submittals**

- 8.1 After successful completion of the project, submit one copy of the required documentation to the County's Representative. Final payment to the Contractor will not be made until the required Post-Job Submittals have been received and approved by the County's Representative. All submittals must be received by the County's Representative within 10 calendar days of the project completion.

## **End of Work Plan**

## **7.0 Disclaimer**

---

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

This report is the result of a limited investigation of the referenced building, and every attempt has been made to discover and inventory all asbestos-containing building materials (ACBM) in the structure. However, it is possible that other concealed and inaccessible suspect materials may exist. Should any additional suspect ACMs be uncovered during renovation or demolition which are not listed in this report, then those materials should be sampled and submitted for analysis.

If unregulated Category I nonfriable asbestos-containing materials, such as floor tile and associated mastic, are left in place during demolition, the concrete slab debris may be considered asbestos contaminated materials and may not be able to be recycled. All asbestos contaminated concrete debris should be properly disposed of in accordance with federal, state, and local laws. The demolition contractor and waste hauler must comply with all applicable Occupational Health and Safety Administration (OSHA) regulations (29 CFR 1926.1101).

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

## ***Table***



**TABLE 1 - ASBESTOS CONTAINING MATERIAL SUMMARY ANALYSIS**

Building Name: Lake County Fairgrounds Expo Building - Office Area, Eustis, Florida Contract No.: 21-0922  
 Date of Survey: August 28 and October 1, 2024 Agency: Lake County Office of Facilities Management  
 Consultant: Aptim Environmental & Infrastructure, LLC Contact Person: Don Glessner

Sample No. or Assumed	Material Description	Homogeneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Condition G/F/P	Damage Potential H/M/L	Hazard Assessment 0-7	Response Priority 1-8	Response Cost	Air Mon Cost	Replace Cost
1.1	12"X12" VINYL FLOOR TILE/BLACK MASTIC	1	THROUGHOUT OFFICE AREA	1,275 SF	N	2% CHRY/7% CHRY	G	M	2	6	5,200	1,500	0
1.2	12"X12" VINYL FLOOR TILE/BLACK MASTIC	1	THROUGHOUT OFFICE AREA	1,275 SF	N	2% CHRY/7% CHRY							
1.3	12"X12" VINYL FLOOR TILE/BLACK MASTIC/BROWN MASTIC	1	THROUGHOUT OFFICE AREA	1,275 SF	N	2% CHRY/5% CHRY/NAD							
2.1	COVEBASE (BROWN)/MASTIC	2	MAIN ROOM	85 SF	N	NAD/NAD	G	L	0	8	0	0	0
2.2	COVEBASE (BROWN)/MASTIC	2	MAIN ROOM	85 SF	N	NAD/NAD	G	L	0	8	0	0	0
2.3	COVEBASE (BROWN)/MASTIC	2	MAIN ROOM	85 SF	N	NAD/NAD	G	L	0	8	0	0	0
2.4 QA/QC	COVEBASE (BROWN)/MASTIC	2	MAIN ROOM	85 SF	N	NAD/NAD	G	L	0	8	0	0	0
3.1	CARPET GLUE	3	MAIN ROOM, HALL, SOUTH OFFICE	525 SF	N	NAD	G	L	0	8	0	0	0
3.2	CARPET GLUE	3	MAIN ROOM, HALL, SOUTH OFFICE	525 SF	N	NAD	G	L	0	8	0	0	0
3.3	CARPET GLUE	3	MAIN ROOM, HALL, SOUTH OFFICE	525 SF	N	NAD	G	L	0	8	0	0	0
4.1	2'X2' CEILING TILE	4	ALL ROOMS EXCEPT SOUTH OFFICE, HVAC CLOSET, AND COPIER ROOM	1,050 SF	N	NAD	G	L	0	8	0	0	0
4.2	2'X2' CEILING TILE	4	ALL ROOMS EXCEPT SOUTH OFFICE, HVAC CLOSET, AND COPIER ROOM	1,050 SF	N	NAD	G	L	0	8	0	0	0
4.3	2'X2' CEILING TILE	4	ALL ROOMS EXCEPT SOUTH OFFICE, HVAC CLOSET, AND COPIER ROOM	1,050 SF	N	NAD	G	L	0	8	0	0	0
4.4 QA/QC	2'X2' CEILING TILE	4	ALL ROOMS EXCEPT SOUTH OFFICE, HVAC CLOSET, AND COPIER ROOM	1,050 SF	N	NAD	G	L	0	8	0	0	0
<b>COMMENTS/NOTES:</b> Y - Yes N - No G - Good F - Fair P - Poor H - High M - Medium L - Low NA - Not Applicable  NAD - No Asbestos Detected LF - Linear feet SF - Square feet CAT I - Category I CAT II - Category II PC - Point Count Analysis PS - Analyzed to first positive stop Trace - Less than 1%  chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite							Subtotals for this page		\$5,200	\$1,500	\$0		
							Consultant Fees		See last page of Form 2				
							O & M Costs		See last page of Form 2				
1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or Assumed ACM.							TOTAL		See last page of Form 2				

**TABLE 1 - ASBESTOS CONTAINING MATERIAL SUMMARY ANALYSIS**

Building Name: Lake County Fairgrounds Expo Building - Office Area, Eustis, Florida Contract No.: 21-0922  
 Date of Survey: August 28 and October 1, 2024 Agency: Lake County Office of Facilities Management  
 Consultant: Aptim Environmental & Infrastructure, LLC Contact Person: Don Glessner

Sample No. or Assumed	Material Description	Homogeneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Condition G/F/P	Damage Potential H/M/L	Hazard Assessment 0-7	Response Priority 1-8	Response Cost	Air Mon Cost	Replace Cost
5.1	2'X4' CEILING TILE	5	SOUTH OFFICE	220 SF	N	NAD	G	L	0	8	0	0	0
5.2	2'X4' CEILING TILE	5	SOUTH OFFICE	220 SF	N	NAD	G	L	0	8	0	0	0
5.3	2'X4' CEILING TILE	5	SOUTH OFFICE	220 SF	N	NAD	G	L	0	8	0	0	0
6.1	INSULATION BACKING	6	ABOVE DROP CEILINGS	1,300 SF	N	NAD	G	L	0	8	0	0	0
6.2	INSULATION BACKING	6	ABOVE DROP CEILINGS	1,300 SF	N	NAD	G	L	0	8	0	0	0
6.3	INSULATION BACKING	6	ABOVE DROP CEILINGS	1,300 SF	N	NAD	G	L	0	8	0	0	0
7.1	WALL PANEL	7	SOUTH OFFICE WALLS	225 SF	N	NAD	G	L	0	8	0	0	0
7.2	WALL PANEL	7	SOUTH OFFICE WALLS	225 SF	N	NAD	G	L	0	8	0	0	0
7.3	WALL PANEL	7	SOUTH OFFICE WALLS	225 SF	N	NAD	G	L	0	8	0	0	0
8.1	COVEBASE (BLACK)/MASTIC	8	ALL ROOMS EXCEPT MAIN ROOM	220 SF	N	NAD/NAD	G	L	0	8	0	0	0
8.2	COVEBASE (BLACK)/MASTIC	8	ALL ROOMS EXCEPT MAIN ROOM	220 SF	N	NAD/NAD	G	L	0	8	0	0	0
8.3	COVEBASE (BLACK)/MASTIC	8	ALL ROOMS EXCEPT MAIN ROOM	220 SF	N	NAD/NAD	G	L	0	8	0	0	0
<p>COMMENTS/NOTES:</p> <p>Y - Yes                      N - No                      G - Good                      F - Fair                      P - Poor                      H - High                      M - Medium                      L - Low                      NA - Not Applicable</p> <p>NAD – No Asbestos Detected                      LF – Linear feet                      SF - Square feet                      CAT I – Category I                      CAT II – Category II                      PC – Point Count Analysis                      PS – Analyzed to first positive stop                      Trace – Less than 1%</p> <p>chry. - chrysotile                      amo. - amosite                      trem. - tremolite                      cro. - crocidolite</p> <p>* The amount of drywall in the proposed work area is &lt;1,000 feet. Therefore, only 3 samples were obtained for analysis.</p> <p>1. All quantities given in square feet unless otherwise indicated.                      2. All costs provided assume one mobilization.                      3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or Assumed ACM.</p>								Subtotals for this page		\$0	\$0	\$0	
								Consultant Fees		See last page of Form 2			
								O & M Costs		See last page of Form 2			
								<b>TOTAL</b>		See last page of Form 2			

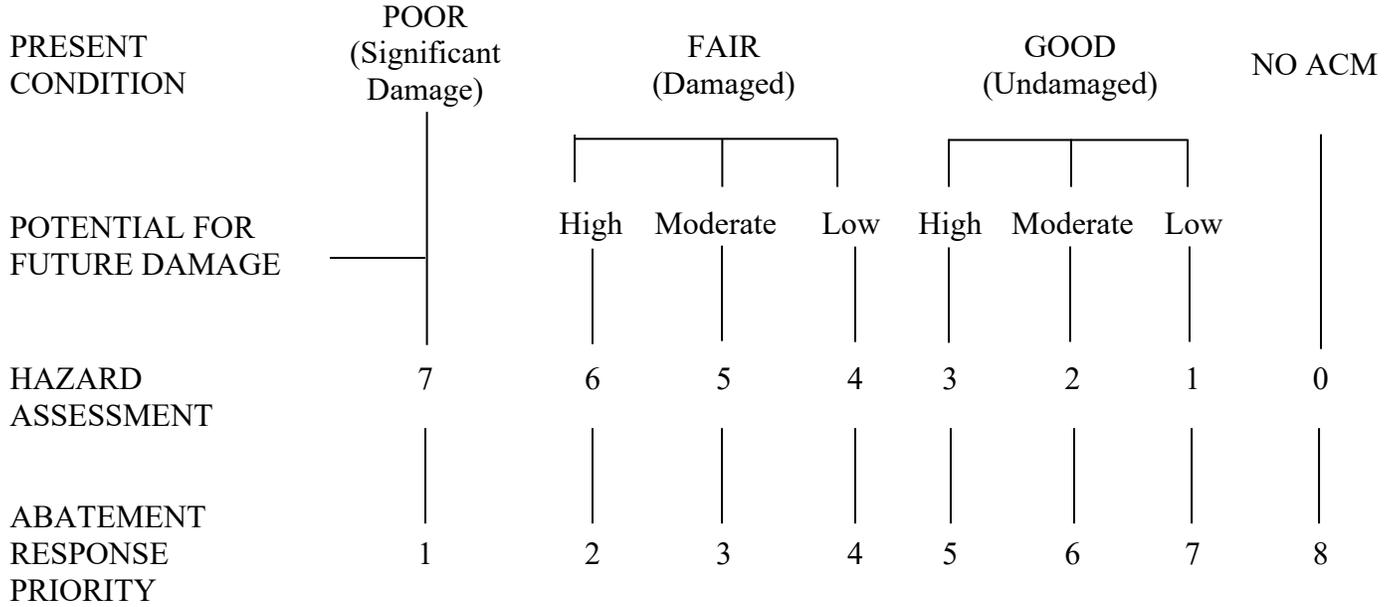
**TABLE 1 - ASBESTOS CONTAINING MATERIAL SUMMARY ANALYSIS**

Building Name: Lake County Fairgrounds Expo Building - Office Area, Eustis, Florida Contract No.: 21-0922  
 Date of Survey: August 28 and October 1, 2024 Agency: Lake County Office of Facilities Management  
 Consultant: Aptim Environmental & Infrastructure, LLC Contact Person: Don Glessner

Sample No. or Assumed	Material Description	Homogeneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Condition G/F/P	Damage Potential H/M/L	Hazard Assessment 0-7	Response Priority 1-8	Response Cost	Air Mon Cost	Replace Cost
9.1	HVAC SQUARE DUCT MASTIC/INSULATION	9	ABOVE DROP CEILINGS, COPIER ROOM, HVAC CLOSET	950 SF	N	NAD/NAD	G	L	0	8	0	0	0
9.2	HVAC SQUARE DUCT MASTIC/INSULATION	9	ABOVE CROP CEILINGS, COPIER ROOM, HVAC CLOSET	950 SF	N	NAD/NAD	G	L	0	8	0	0	0
9.3	HVAC SQUARE DUCT MASTIC/INSULATION	9	ABOVE CROP CEILINGS, COPIER ROOM, HVAC CLOSET	950 SF	N	NAD/NAD	G	L	0	8	0	0	0
9.4 QA/QC	HVAC SQUARE DUCT/YELLOW MASTIC	9	ABOVE CROP CEILINGS, COPIER ROOM, HVAC CLOSET	950 SF	N	NAD/NAD	G	L	0	8	0	0	0
10.1	MASONRY BLOCK W. MORTAR	10	ALL INTERIOR WALLS	3,100 SF	N	NAD	G	L	0	8	0	0	0
10.2	MASONRY BLOCK W. MORTAR	10	ALL INTERIOR WALLS	3,100 SF	N	NAD	G	L	0	8	0	0	0
10.3	MASONRY BLOCK W. MORTAR	10	ALL INTERIOR WALLS	3,100 SF	N	NAD	G	L	0	8	0	0	0
<b>COMMENTS/NOTES:</b> Y - Yes N - No G - Good F - Fair P - Poor H - High M - Medium L - Low NA - Not Applicable NAD – No Asbestos Detected LF – Linear feet SF - Square feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1% chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite								Subtotals for this page		\$0	\$0	\$0	
								Consultant Fees		<b>\$1,200</b>			
								O & M Costs		0			
								<b>TOTAL</b>		<b>\$7,900</b>			
1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. <b>Shaded and bold text indicates Asbestos-Containing Material (ACM) or Assumed ACM.</b>													

# ASBESTOS HAZARD ASSESSMENT DECISION TREE

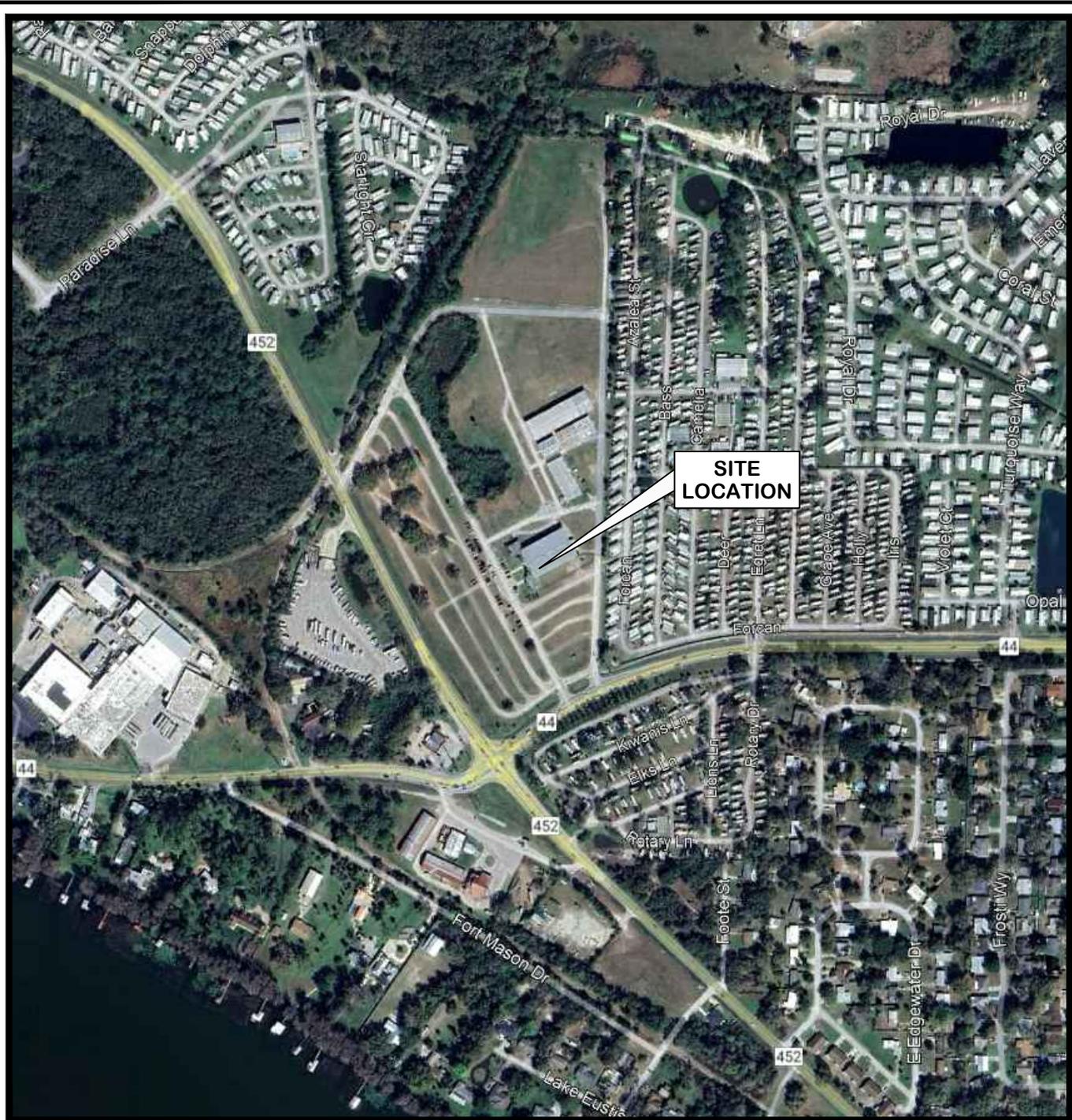
## MATERIAL



Because people tend to equate a “1” with top priority, the assessment numbers are reversed to establish the response priority.

## ***Figures***





OFFICE: WINTER GARDEN	DATE: 9-10-24	ACAD FILE: 3227A1
--------------------------	------------------	----------------------

### SITE LOCATION MAP

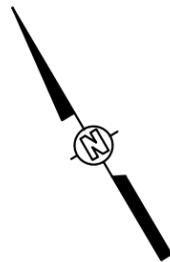
CLIENT: LAKE COUNTY FACILITIES MANAGEMENT	PM: MB
---	-----------

LOCATION: LAKE COUNTY FAIRGROUNDS – EXPO BUILDING 2101 COUNTY ROAD 452 EUSTIS, LAKE COUNTY, FLORIDA
--

DESIGNED: WGD	DRAWN: SDJF	PROJECT NO.: 631023227	FIGURE: <b>1</b>
------------------	----------------	---------------------------	---------------------

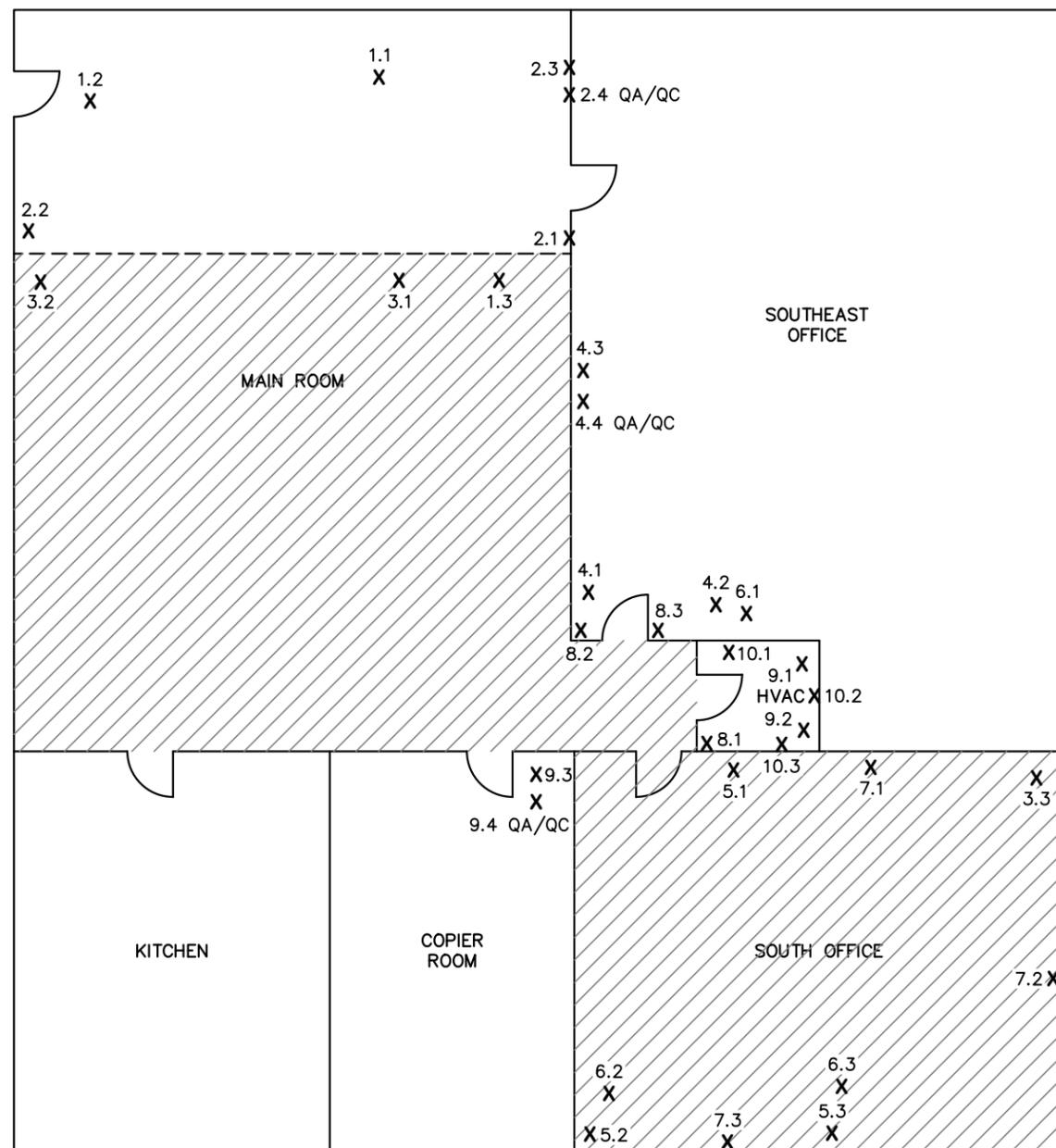


**APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC**  
 1228 WINTER GARDEN  
 VINELAND ROAD  
 WINTER GARDEN, FLORIDA 34787  
 (407) 287-3200 OFFICE  
 (407) 287-3201 FAX



**LEGEND:**

- x ASBESTOS SAMPLE LOCATION
- QA/QC QUALITY ASSURANCE/QUALITY CONTROL SAMPLING LOCATION
-  CARPET OVER 12" x 12" VFT



OFFICE: WINTER GARDEN	DATE: 10-22-24	ACAD FILE: 3227B2
<b>ASBESTOS SAMPLE LOCATION MAP AUGUST 28 and OCTOBER 1, 2024</b>		
CLIENT: LAKE COUNTY FACILITIES MANAGEMENT	PM: MB	
LOCATION: LAKE COUNTY FAIRGROUNDS – EXPO BUILDING OFFICE 2101 COUNTY ROAD 452 EUSTIS, LAKE COUNTY, FLORIDA		
DESIGNED: WGD	DRAWN: SDJF	PROJECT NO.: 631023227
		FIGURE: <b>2</b>



APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC  
 1228 WINTER GARDEN VINELAND ROAD  
 WINTER GARDEN, FLORIDA 34787  
 (407) 287-3200 OFFICE  
 (407) 287-3201 FAX

***Appendix A***  
***Asbestos Survey Checklist***

---

**Asbestos Survey Checklist**

Date: 8/28/24 & 10/1/24 APTIM Representatives: W. DEMPSEY

Project/Task Number: 631023227

Building Name/Number: Fairgrounds Expo Bldg. - Office Area

Building Address: 2101 CR 452

City: EWING County: LAKE

Building Description: OFFICE AREA ONLY - SINGLE STORY CONCRETE BLOCK OFFICE AREA CONSTRUCTED IN 1965.

**Types of Suspect Materials and Amounts (SF or LF):** INTERIOR INSPECTION ONLY

Caulk: Yes:        No: X Amount:         
Type:         
Location:       

Mastic: Yes X No:        Amount: 1,355 SF  
Type: FLOOR TILE & COVERASE  
Location: INTERIOR FLOORS & WALLS

Windows: Yes: X No:        Amount:        Type: DROP IN  
Frame Caulk: Yes:        No: X Amount:        Type:         
Glazing: Yes:        No: X Amount:        Type:       

Door: Yes: X No:        Amount:        Type: DROP-IN  
Door Frame Caulk: Yes:        No: X Amount:        Type:       

Flooring: Yes: X No:        Amount: 1,278 SF Type: SEE BELOW  
(Types: VFT/mastic, sheet flooring/RFC, carpet/mastic, ceramic, concrete, wood, metal deck)

Ceiling: Yes: X No:        Amount: 1,250 SF Type: CONCRETE DROP OR CEILING TILE  
(Types: wallboard, wood, metal, ceiling tiles, fiberglass, plastic panels, plaster, transite)

Exterior Walls: Amount: N/A Type: N/A  
(Types: concrete, stucco, block, brick, metal, wood, cementitious panels, fiberglass)  
NOT PART OF THIS SURVEY

Interior Walls: Amount: 3,100 SF Type: BLOCK & MORTAR  
(Type: wallboard, concrete, plaster, brick, metal, wood, transite panels, fiberglass)

Roofing: Flat: NOT PART OF THIS SURVEY Pitched:        Amount:        Type:         
(Types: asphalt shingle, tarpaper, rolled asphalt, metal, wood, concrete, cementitious board, rubber membrane, built-up tar & gravel)

\* HA 1-3 SAMPLES OBTAINED ON 8/20/24. EXPANDED INSPECTION AREA ON 10/1/24.

Other Suspect Materials: INSULATION BACKING, HVAC DUCT TAPE

**Have You Remembered the Following Items:**

- |  |  |                              |
|--|--|------------------------------|
| 1.) Samples of Each Suspect Material                       | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 2.) At Least One QA/QC Sample (one QA per 20 samples)      | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 3.) Description of Each Suspect Material                   | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 4.) Amounts of Each Suspect Material                       | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 5.) Condition of Each Suspect material                     | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 6.) Field Sketch of Building                               | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 7.) Locations of All Samples Marked on Field Sketch        | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 8.) Photos of Each Suspect Material                        | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 9.) Photo of Building and Overview Photo of Any Structures | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |
| 10.) Completed CoC for Main Lab and QA/QC Lab              | Yes: <input checked="" type="checkbox"/> | No: <input type="checkbox"/> |

**HA Sample Form - Building**

HA- 1 Type: 12" X 12" VINYL FLOOR TILE Amount: 1,275 SF  
Location: THROUGHOUT OFFICE AREA  
Number of Samples collected: 3 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 2 Type: COVERBASE (BROWN) Amount: 85 SF  
Location: MAIN ROOM  
Number of Samples collected: 4 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 3 Type: CARPET SWEE Amount: 525 SF  
Location: MAIN ROOM, HALL, SOUTH OFFICE  
Number of Samples collected: 3 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 4 Type: 2' X 2' CEILING TILE Amount: 1,050 SF  
Location: ALL ROOMS EXCEPT SOUTH OFFICE & HVAC CLOSET & COPIER ROOM  
Number of Samples collected: 4 Condition: X  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 5 Type: 2' X 4' CEILING TILE Amount: 220 SF  
Location: SOUTH OFFICE  
Number of Samples collected: 3 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 6 Type: INSULATION BACKING Amount: 1,300 SF  
Location: ABOVE DROP CEILING  
Number of Samples collected: 3 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 7 Type: WALL PANEL Amount: 225 SF  
Location: SOUTH OFFICE WALLS  
Number of Samples collected: 3 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 8 Type: COVERBASE (BLACK) Amount: 220 SF  
Location: ALL ROOMS EXCEPT MAIN ROOM  
Number of Samples collected: 3 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 9 Type: HVAC SQUARE DUCT Amount: 950 SF  
Location: ABOVE DROP CEILING, COPIER ROOM, HVAC CLOSET  
Number of Samples collected: 4 Condition: GOOD  
Category 1  Category 2  RACM  Nonfriable  Friable

HA- 10 Type: MASONRY BLOCK W. MORTAR Amount: 3,100 SF  
Location: ALL INTERIOR WALLS  
Number of Samples collected: 3 Condition: GOOD

8/26/24

10/1/24

NON-FRIABLE, CAT 2

***Appendix B***  
***Survey Photographs***

---

**FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG**



**PHOTO 1 – 8/28/24  
FAIRGROUNDS EXPO BUILDING – 1201 CR 452  
EUSTIS, FL**



**PHOTO 2 – 8/28/24  
FAIRGROUNDS EXPO BUILDING – OFFICE ENTRANCE  
EUSTIS, FL**

**FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG**



**PHOTO 3 – 8/28/24  
CARPET, VINYL FLOOR TILE, AND BROWN COVEBASE  
MAIN ROOM**



**PHOTO 4 – 10/1/24  
BLOCK WALLS AND 2'X2' CEILING TILE  
MAIN ROOM**

**FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG**



**PHOTO 5 – 10/1/24  
EXPOSED VINYL FLOOR TILE  
KITCHEN**



**PHOTO 6 – 10/1/24  
BLOCK WALL AND 2'X2' CEILING TILE  
SOUTHEAST OFFICE**

**FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG**



**PHOTO 7 - 10/1/24  
EXPOSED FLOOR TILE  
SOUTHEAST OFFICE**



**PHOTO 8 - 10/1/24  
CONCRETE ROOF DECK  
ABOVE DROP CEILINGS**

**FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG**



**PHOTO 9 – 10/1/24  
HVAC SQUARE DUCT INSULATION  
HVAC CLOSET AND ABOVE DROP CEILINGS**



**PHOTO 10 – 10/1/24  
JOHNS MANVILLE THERMAL ACOUSTICAL INSULATION  
ABOVE DROP CEILINGS**

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 8/28/24

INSPECTOR: W. Dempsey

HA NO.: 1.1

HA DESCRIPTION: 12" X 12" VINYL  
FLOOR TILE

HA CONDITION: 6000

COMMENTS: TAN

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I:  CAT II: \_\_\_\_\_ RACM: \_\_\_\_\_

PHOTO 11 - 8/28/24 - SAMPLE 1.1 - HA 1  
12"X12" VINYL FLOOR TILE  
THROUGHOUT OFFICE AREA

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 8/28/24

INSPECTOR: W. Dempsey

HA NO.: 1.2

HA DESCRIPTION: 12" X 12" VINYL  
FLOOR TILE

HA CONDITION: 6000

COMMENTS: TAN

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I:  CAT II: \_\_\_\_\_ RACM: \_\_\_\_\_

PHOTO 12 - 8/28/24 - SAMPLE 1.2 - HA 1  
12"X12" VINYL FLOOR TILE  
THROUGHOUT OFFICE AREA

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

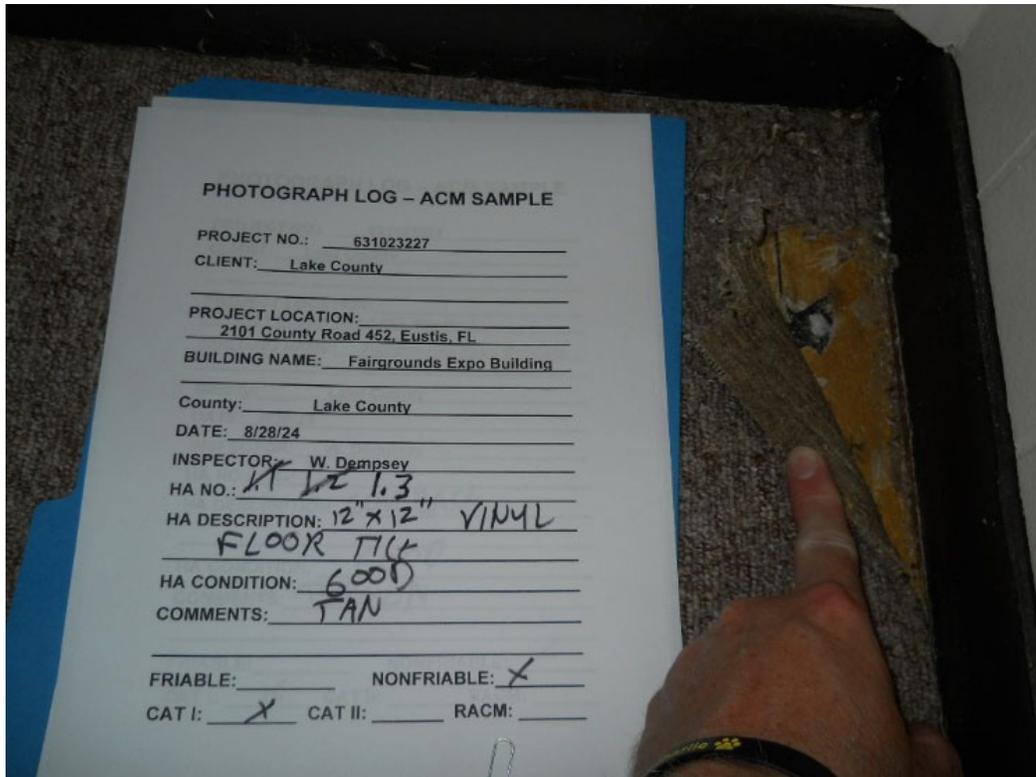


PHOTO 13 - 8/28/24 - SAMPLE 1.3 - HA 1  
12"X12" VINYL FLOOR TILE  
THROUGHOUT OFFICE AREA

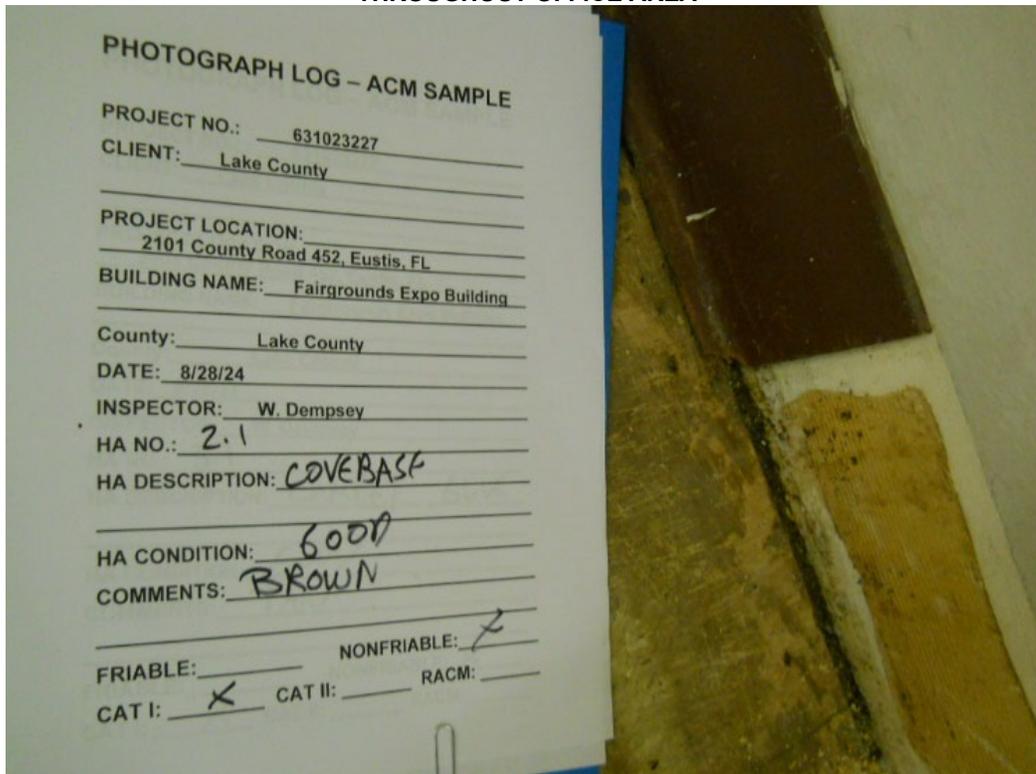


PHOTO 14 - 8/28/24 - SAMPLE 2.1 - HA 2  
COVEBASE (BROWN)  
MAIN ROOM

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 8/28/24

INSPECTOR: W. Dempsey

HA NO.: 2.2

HA DESCRIPTION: COVEBASE

HA CONDITION: GOOD

COMMENTS: BROWN

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I:  CAT II: \_\_\_\_\_ RACM: \_\_\_\_\_

PHOTO 15 - 8/28/24 - SAMPLE 2.2 - HA 2  
COVEBASE (BROWN)  
MAIN ROOM

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 8/28/24

INSPECTOR: W. Dempsey

HA NO.: 2.3, 2.4 QA/QC

HA DESCRIPTION: COVEBASE

HA CONDITION: GOOD

COMMENTS: BROWN

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I:  CAT II: \_\_\_\_\_ RACM: \_\_\_\_\_

PHOTO 16 - 8/28/24 - SAMPLES 2.3 AND 2.4 QA/QC - HA 2  
COVEBASE (BROWN)  
MAIN ROOM

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

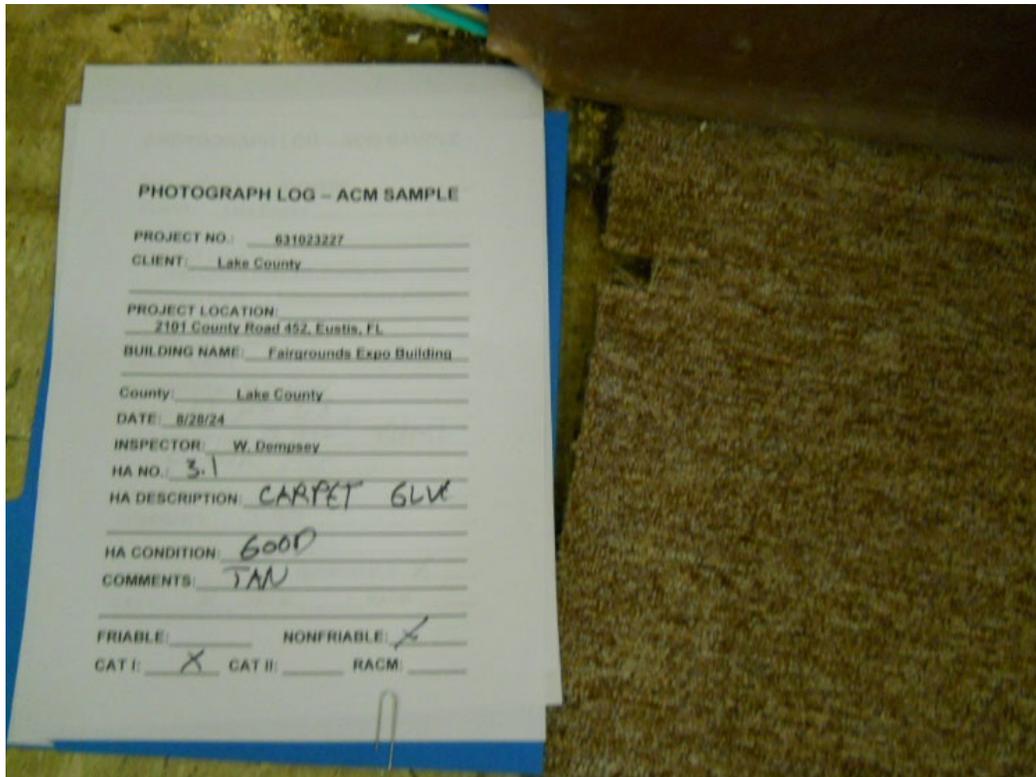


PHOTO 17 - 8/28/24 - SAMPLE 3.1 - HA 3  
CARPET GLUE  
MAIN ROOM, HALL, AND SOUTH OFFICE

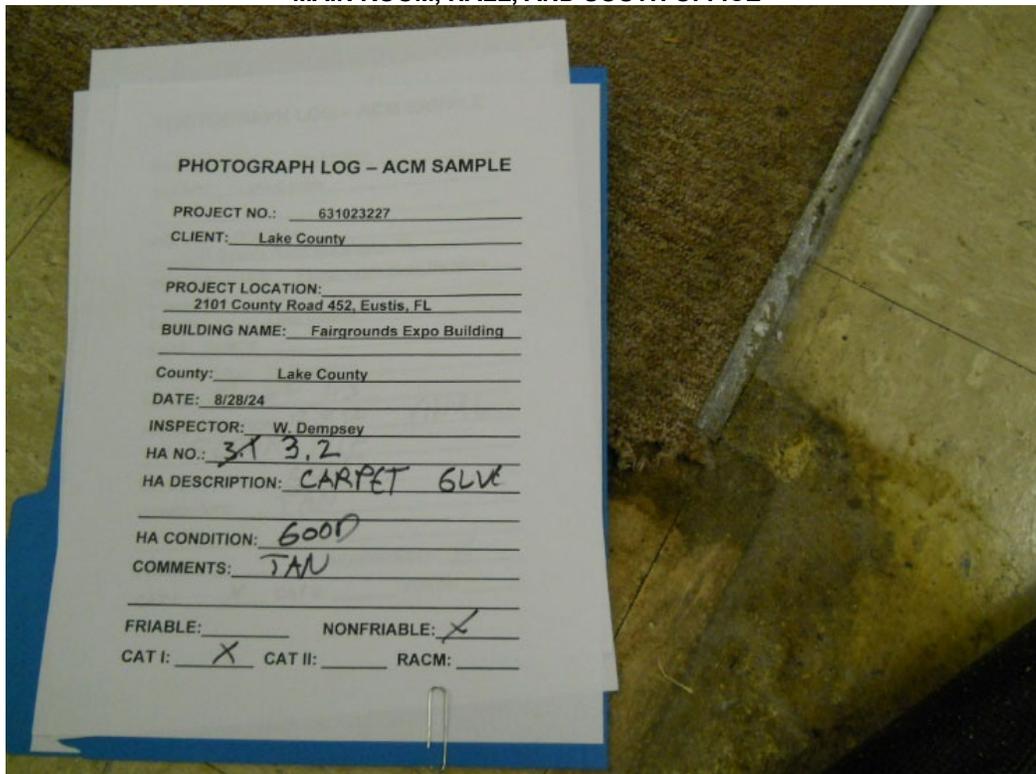


PHOTO 18 - 8/28/24 - SAMPLE 3.2 - HA 3  
CARPET GLUE  
MAIN ROOM, HALL, AND SOUTH OFFICE

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 8/28/24

INSPECTOR: W. Dempsey

HA NO.: 3T 3.2 3.3

HA DESCRIPTION: CARPET GLUE

HA CONDITION: GOOD

COMMENTS: TAN

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM:

PHOTO 19 - 8/28/24 - SAMPLE 3.3 - HA 3  
CARPET GLUE  
MAIN ROOM, HALL, AND SOUTH OFFICE

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 4.1

HA DESCRIPTION: 2 X 2 CEILING  
TILE

HA CONDITION: GOOD

COMMENTS:

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM:

PHOTO 20 - 10/1/24 - SAMPLE 4.1 - HA 4  
2'X2' CEILING TILE  
ALL ROOMS EXCEPT SOUTH OFFICE, COPIER ROOM, AND HVAC CLOSET

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 4.1 4.2

HA DESCRIPTION: 2 X 2 CEILING TILE

HA CONDITION: 6000

COMMENTS:

FRIABLE: NONFRIABLE

PHOTO 21 - 10/1/24 - SAMPLE 4.2 - HA 4  
2'X2' CEILING TILE  
ALL ROOMS EXCEPT SOUTH OFFICE, COPIER ROOM, AND HVAC CLOSET

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 4.1 4.2 4.3 4.4 QA/QC

HA DESCRIPTION: 2 X 2 CEILING TILE

HA CONDITION: 6000

COMMENTS:

FRIABLE:

PHOTO 221- 10/1/24 - SAMPLES 4.3 AND 4.4 QA/QC - HA 4  
2'X2' CEILING TILE  
ALL ROOMS EXCEPT SOUTH OFFICE, COPIER ROOM, AND HVAC CLOSET

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 5.1

HA DESCRIPTION: 2X4 CEILING TILE

HA CONDITION: 6000

COMMENTS: SOUTH OFFICE

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I: \_\_\_\_\_ CAT II:  RACM: \_\_\_\_\_

PHOTO 23 - 10/1/24 - SAMPLE 5.1 - HA 5  
2'X4' CEILING TILE  
SOUTH OFFICE

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 5.2

HA DESCRIPTION: 2X4 CEILING TILE

HA CONDITION: 6000

COMMENTS: SOUTH OFFICE

FRIABLE: \_\_\_\_\_ NONFRIABLE:

PHOTO 24 - 10/1/24 - SAMPLE 5.2 - HA 5  
2'X4' CEILING TILE  
SOUTH OFFICE

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 5.3

HA DESCRIPTION: 2X4 CEILING  
TILE

HA CONDITION: 6000

COMMENTS: SOUTH OFFICE

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I: \_\_\_\_\_ CAT II:  RACM: \_\_\_\_\_

PHOTO 25 - 10/1/24 - SAMPLE 5.3 - HA 5  
2'X4' CEILING TILE  
SOUTH OFFICE

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 6.1

HA DESCRIPTION: INSULATION  
BACKING

HA CONDITION: 6000

COMMENTS: ABOVE DROP  
CEILING

FRIABLE: \_\_\_\_\_ NONFRIABLE:

CAT I:  CAT II: \_\_\_\_\_ RACM: \_\_\_\_\_

PHOTO 26 - 10/1/24 - SAMPLE 6.1 - HA 6  
INSULATION BACKING  
ABOVE DROP CEILINGS

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 6-T 6.2

HA DESCRIPTION: INSULATION BACKING

HA CONDITION: GOOD

COMMENTS: ABOVE DROP CEILING

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM:

PHOTO 27 - 10/1/24 - SAMPLE 6.2 - HA 6  
INSULATION BACKING  
ABOVE DROP CEILINGS

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 6-T 6.2 6.3

HA DESCRIPTION: INSULATION BACKING

HA CONDITION: GOOD

COMMENTS: ABOVE DROP CEILING

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM:

PHOTO 28 - 10/1/24 - SAMPLE 6.3 - HA 6  
INSULATION BACKING  
ABOVE DROP CEILINGS

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

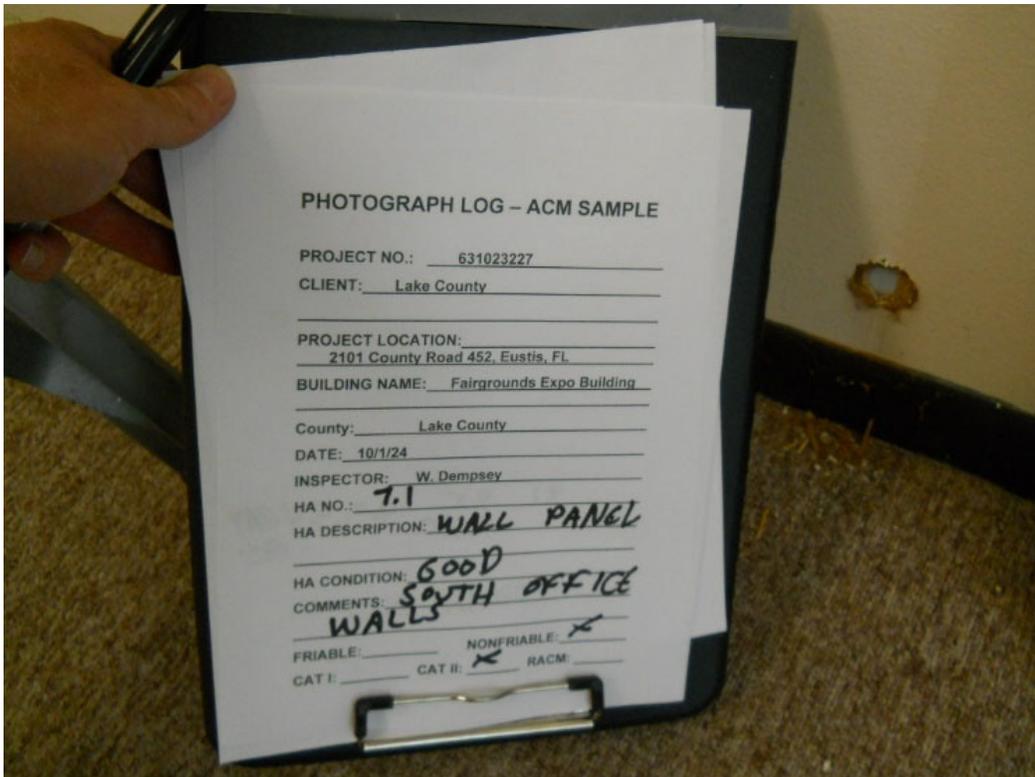


PHOTO 29 – 10/1/24 – SAMPLE 7.1 – HA 7  
WALL PANEL  
SOUTH OFFICE WALLS

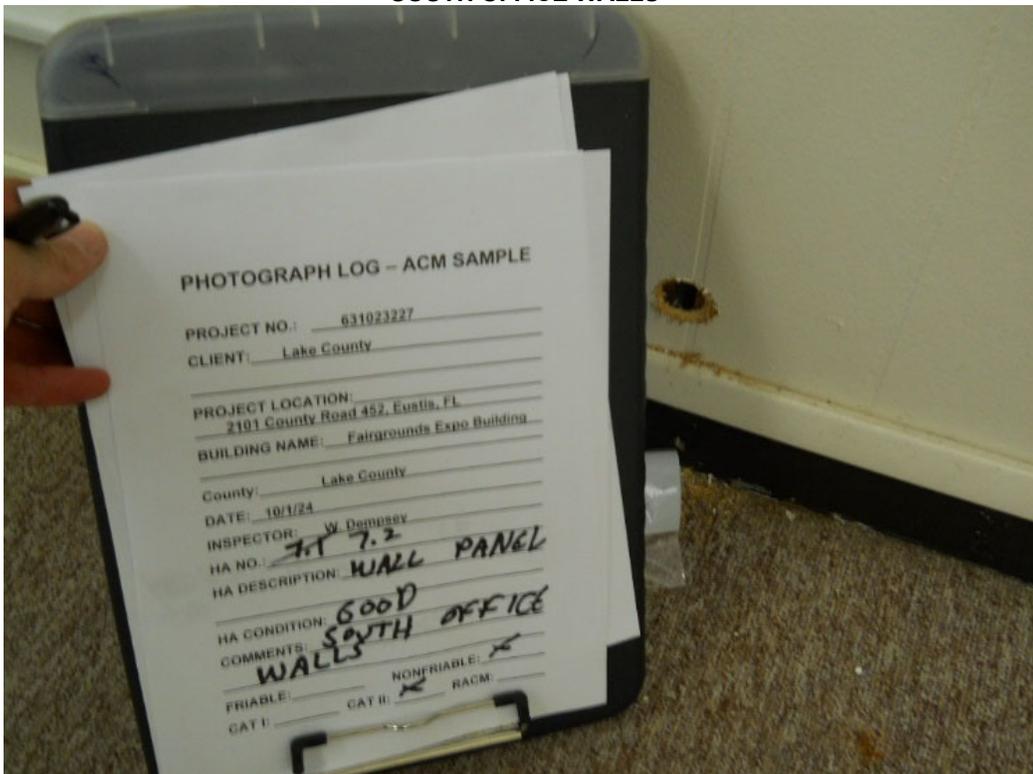


PHOTO 30 – 10/1/24 – SAMPLE 7.2 – HA 7  
WALL PANEL  
SOUTH OFFICE WALLS

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 7.3

HA DESCRIPTION: WALL PANEL

HA CONDITION: GOOD

COMMENTS: SOUTH OFFICE WALLS

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM:

PHOTO 31 - 10/1/24 - SAMPLE 7.3 - HA 7  
WALL PANEL  
SOUTH OFFICE WALLS

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 8.1

HA DESCRIPTION: BLACK COVEBASE W. MASTIC

HA CONDITION: GOOD

COMMENTS:

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM:

PHOTO 32 - 10/1/24 - SAMPLE 8.1 - HA 8  
COVEBASE (BLACK)  
ALL WALLS EXCEPT MAIN ROOM

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 8.2

HA DESCRIPTION: BLACK  
COVEBASE W. MASTIC

HA CONDITION: 6001

COMMENTS:

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM

PHOTO 33 - 10/1/24 - SAMPLE 8.2 - HA 8  
COVEBASE (BLACK)  
ALL WALLS EXCEPT MAIN ROOM

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION:  
2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 8.3

HA DESCRIPTION: BLACK  
COVEBASE W. MASTIC

HA CONDITION: 6001

COMMENTS:

FRIABLE:  NONFRIABLE:

CAT I:  CAT II:  RACM

PHOTO 34 - 10/1/24 - SAMPLE 8.3 - HA 8  
COVEBASE (BLACK)  
ALL WALLS EXCEPT MAIN ROOM

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE  
PROJECT NO.: \_\_\_\_\_  
CLIENT: Lake County  
PROJECT LOCATION: 2101 County Road 452, Eustis, FL  
BUILDING NAME: Fairgrounds Expo Building  
County: Lake County  
DATE: 10/1/24  
INSPECTOR: W. Demery  
HA NO.: 9.1  
HA DESCRIPTION: HVAC 9.3, 9.4, 9A / ac  
HA CONDITION: \_\_\_\_\_  
COMMENTS: SQUARE DUCT  
FRIABLE: \_\_\_\_\_ NONFRIABLE:   
CAT I: \_\_\_\_\_ CAT II:  RACM: \_\_\_\_\_

PHOTO 35 - 10/1/24 - SAMPLE 9.1 - HA 9  
HVAC SQUARE DUCT  
ABOVE DROP CEILINGS, COPIER ROOM, AND HVAC CLOSET

PHOTOGRAPH LOG - ACM SAMPLE  
PROJECT NO.: 631023227  
CLIENT: Lake County  
PROJECT LOCATION: 2101 County Road 452, Eustis, FL  
BUILDING NAME: Fairgrounds Expo Building  
County: Lake County  
DATE: 10/1/24  
INSPECTOR: V  
HA NO.: ~~9.1~~ 9.2  
HA DESCRIPTION: HVAC 9.3, 9.4, 9A / ac  
HA CONDITION: \_\_\_\_\_  
COMMENTS: SQUARE DUCT  
FRIABLE: \_\_\_\_\_ NONFRIABLE:   
CAT I: \_\_\_\_\_ CAT II:  RACM: \_\_\_\_\_

PHOTO 36 - 10/1/24 - SAMPLE 9.2 - HA 9  
HVAC SQUARE DUCT  
ABOVE DROP CEILINGS, COPIER ROOM, AND HVAC CLOSET

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

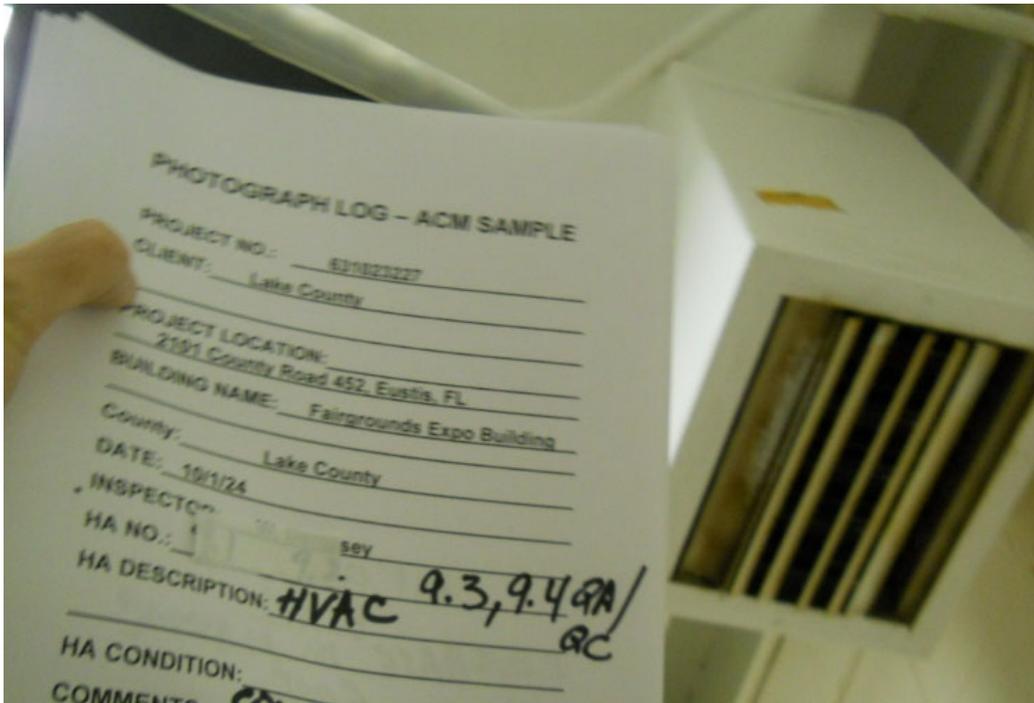


PHOTO 37 - 10/1/24 - SAMPLES 9.3 AND 9.4 QA/QC - HA 9  
HVAC SQUARE DUCT  
ABOVE DROP CEILINGS, COPIER ROOM, AND HVAC CLOSET

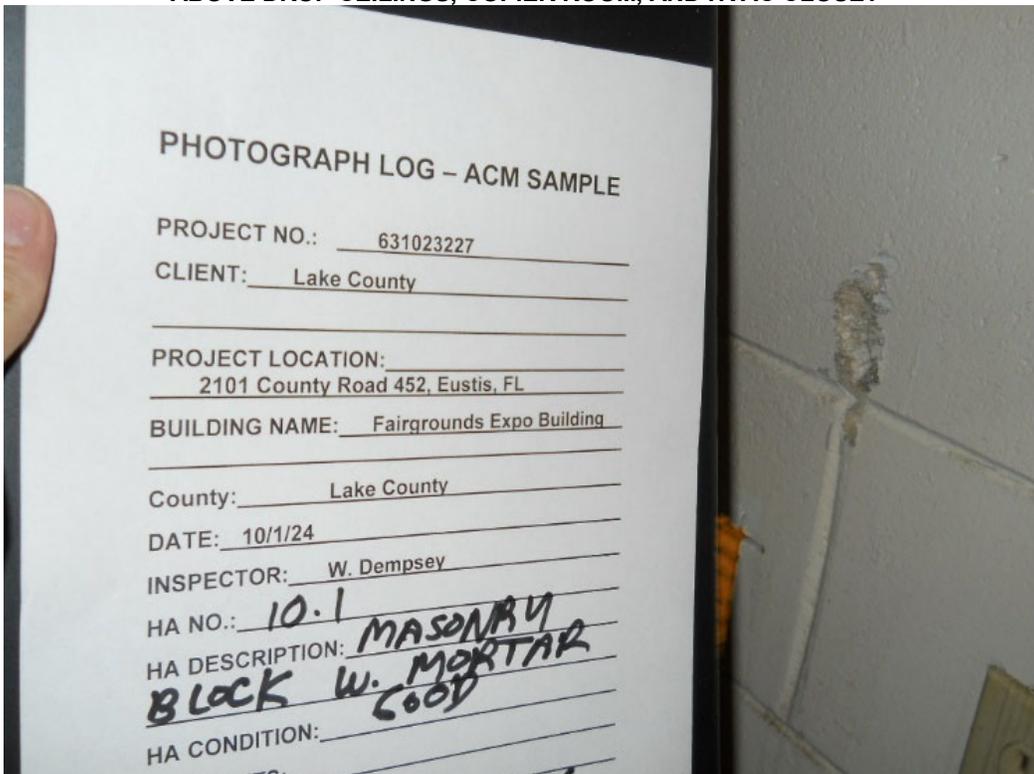


PHOTO 38 - 10/1/24 - SAMPLE 10.1 - HA 10  
MASONRY BLOCK W. MORTAR  
ALL INTERIOR WALLS

FAIRGROUNDS EXPO BUILDING - OFFICE AREA - EUSTIS, FL  
LIMITED ASBESTOS SURVEY PHOTO LOG

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 10.1 10.2

HA DESCRIPTION: MASONRY  
BLOCK W. MORTAR  
GOOD

HA CONDITION:

COMMENTS:

FRIABLE:  NONFRIABLE:

PHOTO 39 - 10/1/24 - SAMPLE 10.2 - HA 10  
MASONRY BLOCK W. MORTAR  
ALL INTERIOR WALLS

PHOTOGRAPH LOG - ACM SAMPLE

PROJECT NO.: 631023227

CLIENT: Lake County

PROJECT LOCATION: 2101 County Road 452, Eustis, FL

BUILDING NAME: Fairgrounds Expo Building

County: Lake County

DATE: 10/1/24

INSPECTOR: W. Dempsey

HA NO.: 10.1 10.2 10.3

HA DESCRIPTION: MASONRY  
BLOCK W. MORTAR  
GOOD

HA CONDITION:

COMMENTS:

FRIABLE:  NONFRIABLE:

CAT II:  RACM:

PHOTO 40 - 10/1/24 - SAMPLE 10.3 - HA 10  
MASONRY BLOCK W. MORTAR  
ALL INTERIOR WALLS



***Appendix C***  
***Laboratory Analytical Data and Chain of Custody Forms***

---



# EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808

Tel/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com> / [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

EMSL Order: 342418234

Customer ID: SHAW77C

Customer PO: P-CARD

Project ID:

**Attention:** William Dempsey  
APTIM Environmental & Infrastructure  
1228 Winter Garden Vineland Rd  
Winter Garden, FL 34787

**Phone:** (407) 287-3207

**Fax:**

**Received Date:** 08/29/2024 9:30 AM

**Analysis Date:** 09/05/2024

**Collected Date:**

**Project:** Lake County Exp Bldg/631023227

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1.1-Vinyl Floor Tile <small>342418234-0001</small>	12"X12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1.1-Black Mastic <small>342418234-0001A</small>	12"X12" Vinyl Floor Tile	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
1.2-Vinyl Floor Tile <small>342418234-0002</small>	12"X12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1.2-Black Mastic <small>342418234-0002A</small>	12"X12" Vinyl Floor Tile	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
1.3-VFT <small>342418234-0003</small>	12"X12" Vinyl Floor Tile	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1.3-Black Mastic <small>342418234-0003A</small>	12"X12" Vinyl Floor Tile	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
1.3-Tan Mastic <small>342418234-0003B</small>	12"X12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2.1-Cove Base <small>342418234-0004</small>	Brown Covebase	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2.1-Mastic <small>342418234-0004A</small>	Brown Covebase	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2.2-Cove Base <small>342418234-0005</small>	Brown Covebase	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2.2-Mastic <small>342418234-0005A</small>	Brown Covebase	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2.3-Cove Base <small>342418234-0006</small>	Brown Covebase	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2.3-Mastic <small>342418234-0006A</small>	Brown Covebase	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3.1 <small>342418234-0007</small>	Carpet Glue	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3.2 <small>342418234-0008</small>	Carpet Glue	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3.3 <small>342418234-0009</small>	Carpet Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/05/2024 15:53:50



# EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808

Tel/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com> / [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

**EMSL Order:** 342418234

**Customer ID:** SHAW77C

**Customer PO:** P-CARD

**Project ID:**

Analyst(s)

*Eriq Wilson (6)*

*Laura Vera (10)*

Laura Vera, Asbestos Supervisor  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from: 09/05/2024 15:53:50



**Asbestos Bulk Building Materials - Chain of Custody**

EMSL Order Number / Lab Use Only

**EMSL ANALYTICAL, INC.**  
LABORATORY • PRODUCTS • TRAINING

342418234

Orlando, FL 32808  
PHONE: (407) 599-5887  
EMAIL: orlandolab@emsl.com

<b>Customer Information</b> Customer ID: Company Name: <b>APTIM E&amp;I, LLC</b> Contact Name: <b>William Dempsey</b> Street Address: <b>1228 Winter Garden Vineland Rd Suite 100</b> City, State, Zip: <b>Winter Garden FL 34787</b> Country: <b>US</b> Phone: <b>407-287-3200</b> Email(s) for Report: <b>william.dempsey@aptim.com</b>	<b>Billing Information</b> Billing ID: Company Name: <b>Aptim E&amp;I, Inc.</b> Billing Contact: <b>William Dempsey</b> Street Address: <b>1228 Winter Garden Vineland Rd, Suite 100</b> City, State, Zip: <b>Winter Garden FL</b> Country: <b>US</b> Phone: <b>4072873207</b> Email(s) for Invoice: <b>LAPAMELA.BRADSHAW@APTIM.COM</b>
--	--

<b>Project Information</b>	
Project Name/No: <b>Lake County Exp Bldg/631023227</b>	Purchase Order: <b>P-CARD</b>
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: <b>FL</b> State of Connecticut (CT) must select project location: <input type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: <b>W. Dempsey</b> Sampled By Signature: <i>[Signature]</i>	Date Sampled: <b>8/28/24</b> No. of Samples in Shipment: <b>9</b>

**Turn-Around-Time (TAT)**

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

Please call ahead for large projects and/or turnaround times 6 Hours or Less. \*32 Hour TAT available for select tests only, samples must be submitted by 11:30am

**Test Selection**

<b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> POINT COUNT <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> POINT COUNT w/ GRAVIMETRIC <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1,000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NYS 198.1 (Friable - NY) <input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY) <input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)	<b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (Non-Friable - NY) <input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)  <b>Other Tests (please specify)</b>  <input type="checkbox"/> Positive Stop - Clearly Identified Homogeneous Areas (HA)
--	--

Sample Number	HA Number	Sample Location	Material Description
1.1	1		12"x12" Vinyl Floor Tile
1.2	1		12"x12" Vinyl Floor Tile
1.3	1		12"x12" Vinyl Floor Tile
2.1	2		Brown Covebase
2.2	2		Brown Covebase
2.3	2		Brown Covebase
3.1	3		Carpet Glue
3.2	3		Carpet Glue
3.3	3		Carpet Glue

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc )

Method of Shipment: <b>FedEx</b>	Sample Condition Upon Receipt:
Relinquished by: <b>William Dempsey</b> Date/Time: <b>8/28/24 1500</b>	Received by: <i>[Signature]</i> Date/Time: <b>8/29/24 9:30a</b>
Relinquished by:	Received by:

Controlled Document - Asbestos Bulk R7 9/14/2021

**AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

ORIGIN ID:TYA (407) 287-3207  
WILLIAM DEMPSEY  
APT#M  
1228 WINTER GARDEN VINELAND ROAD  
WINTER GARDEN, FL 34787  
UNITED STATES US

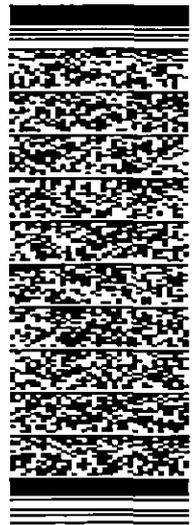
SHIP DATE: 28AUG24  
ACTWGT: 1.00LB  
CAD: 11883264/IN/ET4535  
BILL SENDER

TO  
**SAMPLE RECEIVING**  
**EMSL ANALYTICAL, INC.**  
**3303 PARKWAY CENTER COURT**

583J6/A12D/9AE3

**ORLANDO FL 32808**

(407) 599-5887 REF: 631023227  
INV. PO: 631023227 DEPT:



J243024071901uv

TRK# 7782 4198 9170  
0201

THU - 29 AUG 5:00P  
STANDARD OVERNIGHT

**33 ORLA**

FL-US MCO 32808



After printing this label.  
**CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH**  
1. Fold the printed page along the horizontal line.  
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Report for:

**William Dempsey**  
**Aptim**  
1228 Winter Garden Vineland Road  
Winter Garden, FL 34787

---

Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: 631023227 - Lake County-Expo Bldg  
EML ID: 3764075

Approved by:



Approved Signatory  
Frank Ehrenfeld

Dates of Analysis:  
Asbestos PLM (Layer %): 09-04-2024

Service SOPs: Asbestos PLM (Layer %) (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

---

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Aptim  
 C/O: William Dempsey  
 Re: 631023227 - Lake County-Expo Bldg

Date of Receipt: 08-29-2024  
 Date of Report: 09-04-2024

**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**  
**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
2.4. Brown Covebase 18548087-1	Layer 1 Tan Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Tan Cove Base Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

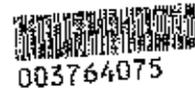
**Comments:**

**Analyst(s):** Dean Andrews

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



## Chain of Custody

- Bulk Asbestos -

<b>Contact Information</b>	
<b>Client Company:</b> <u>Aptim E&amp;I, LLC</u>	<b>Project Number:</b> <u>631023227</u>
<b>Office Address:</b> <u>1228 Winter Garden Vineland Rd</u>	<b>Project Name:</b> <u>Lake County - Expo Bldg</u>
<b>City, State, Zip:</b> <u>Winter Garden, FL 34787</u>	<b>Primary Contact:</b> <u>William Dempsey</u>
<b>Fax Number:</b> <u>407-287-3201</u>	<b>Office Phone:</b> <u>407-287-3207</u>
<b>Email Address:</b> <u>william.dempsey@aptim.com</u>	<b>Cell Phone:</b> <u>352-989-7774</u>

**PLM Instructions:**

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- PLM: Point Counting
  - PC: via ELAP 198.1
  - PC: 400 Points
  - PC: 800 Points \*
  - PC: 1600 Points \*
- PLM: Instructions for Multi-Layered Samples
  - Analyze and Report All Separable Layers per EPA 600
  - Report Composite for Drywall Systems per NESHAP
  - Report All Layers and Composite Where Applicable
  - Only Analyze and Report Specifically Noted Layer

- PLM: Analyze Until Positive (Positive Stop)
  - AUP: by Homogenous Area as Noted
  - AUP: by Material Type as Noted
- PLM: NOB via 198.6
  - PLM: Friable via EPA 600 2.3
  - If <1% by PLM, to TEM via 198.4 \*
  - If <1% by PLM, Hold for Instructions
- PLM: Non-Building Material<sup>\*\*\*</sup> (Dust, Wipe, Tape)
  - Soil or Vermiculite Analysis
  - CARB 435

**Special Instructions:** Please cc LaPamela.Bradshaw@aptim.com with invoice for payment via P-Card

\* Additional charge and turnaround may be required    \*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

**Turnaround Time**

Preliminary Results Requested Date: \_\_\_\_\_

Specific date / time

10 Day     5 Day     3 Day     2 Day     1 Day\*     12 Hour\*\*     6 Hour\*\*     RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

**Chain of Custody**

Relinquished (Name/Organization): <u>William Dempsey</u>	Date: <u>8/26/24</u>	Time: <u>1500</u>	<b>RECEIVED</b>
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): _____	Date: _____	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	<u>AUG 29 2024</u>
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____





# EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808

Tel/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com> / [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

EMSL Order: 342421348

Customer ID: SHAW77C

Customer PO: P-CARD

Project ID:

**Attention:** William Dempsey  
APTIM Environmental & Infrastructure  
1228 Winter Garden Vineland Rd  
Winter Garden, FL 34787

**Phone:** (407) 287-3207

**Fax:**

**Received Date:** 10/02/2024 10:10 AM

**Analysis Date:** 10/09/2024

**Collected Date:** 10/01/2024

**Project:** Lake County Exp Bldg/631023227

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
4-1 342421348-0001	2'x2' Ceiling Tile	Gray Fibrous Heterogeneous	45% Cellulose 25% Glass	30% Perlite	None Detected
4-2 342421348-0002	2'x2' Ceiling Tile	Gray Fibrous Heterogeneous	40% Cellulose 20% Glass	30% Perlite 10% Non-fibrous (Other)	None Detected
4-3 342421348-0003	2'x2' Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 15% Glass	40% Perlite 5% Non-fibrous (Other)	None Detected
5-1 342421348-0004	South Office - 2'x4' Ceiling Tile	Gray Fibrous Heterogeneous	40% Cellulose 15% Glass	30% Perlite 15% Non-fibrous (Other)	None Detected
5-2 342421348-0005	South Office - 2'x4' Ceiling Tile	Gray Fibrous Heterogeneous	40% Cellulose 20% Glass	30% Perlite 10% Non-fibrous (Other)	None Detected
5-3 342421348-0006	South Office - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 10% Glass	40% Perlite 5% Non-fibrous (Other)	None Detected
6-1 342421348-0007	Above Drop Ceilings - Insulation Backing	Black Fibrous Homogeneous	70% Cellulose <1% Glass	30% Non-fibrous (Other)	None Detected
6-2 342421348-0008	Above Drop Ceilings - Insulation Backing	Black Fibrous Homogeneous	70% Cellulose <1% Glass	30% Non-fibrous (Other)	None Detected
6-3 342421348-0009	Above Drop Ceilings - Insulation Backing	Black Fibrous Heterogeneous	65% Cellulose 1% Glass	34% Non-fibrous (Other)	None Detected
7-1 342421348-0010	South Office Walls - Wall Panel	Tan/White Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
7-2 342421348-0011	South Office Walls - Wall Panel	Tan/White Non-Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
7-3 342421348-0012	South Office Walls - Wall Panel	Brown/Tan/White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
8-1-Cove Base 342421348-0013	Black Covebase With Mastic	Black Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
8-1-Mastic 342421348-0013A	Black Covebase With Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
8-2-Cove Base 342421348-0014	Black Covebase With Mastic	Black Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
8-2-Mastic 342421348-0014A	Black Covebase With Mastic	Brown/Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

Initial report from: 10/09/2024 13:18:45



# EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808

Tel/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com> / [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

**EMSL Order:** 342421348  
**Customer ID:** SHAW77C  
**Customer PO:** P-CARD  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8-3-Cove Base 342421348-0015	Black Covebase With Mastic	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
8-3-Mastic 342421348-0015A	Black Covebase With Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
9-1-Mastic 342421348-0016	HVAC Square Duct	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
9-1-Insulation 342421348-0016A	HVAC Square Duct	Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
9-2-Mastic 342421348-0017	HVAC Square Duct	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
9-2-Insulation 342421348-0017A	HVAC Square Duct	Brown Fibrous Homogeneous	70% Glass	30% Non-fibrous (Other)	None Detected
9-3-Mastic 342421348-0018	HVAC Square Duct	White Non-Fibrous Homogeneous	<1% Cellulose 8% Glass	92% Non-fibrous (Other)	None Detected
9-3-Insulation 342421348-0018A	HVAC Square Duct	Silver/Yellow/Orange Fibrous Heterogeneous	<1% Cellulose 10% Glass	90% Non-fibrous (Other)	None Detected
10-1 342421348-0019	Masonry Block With Mortar	Gray Non-Fibrous Heterogeneous	<1% Cellulose	30% Quartz 10% Ca Carbonate 60% Non-fibrous (Other)	None Detected
10-2 342421348-0020	Masonry Block With Mortar	Gray/White Non-Fibrous Heterogeneous		30% Quartz 10% Ca Carbonate 60% Non-fibrous (Other)	None Detected
10-3 342421348-0021	Masonry Block With Mortar	Gray/Tan/Beige Non-Fibrous Heterogeneous	<1% Cellulose	45% Quartz 10% Ca Carbonate 45% Non-fibrous (Other)	None Detected

Analyst(s) \_\_\_\_\_  
 Cameron Evans (18)  
 Scott Combs (9)

  
 \_\_\_\_\_  
 Laura Vera, Asbestos Supervisor  
 or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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

Initial report from: 10/09/2024 13:18:45



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

# 3 4 2 4 2 1 3 4 8

EMSL Analytical, Inc.

Orlando, FL 32808

PHONE (407) 599-5887

EMAIL orlandolab@emsl.com

Customer Information	Customer ID:		Billing Information	Billing ID:	
	Company Name:	APTIM E&I, LLC		Company Name:	Aptim E&I, Inc.
	Contact Name:	William Dempsey		Billing Contact:	William Dempsey
	Street Address:	1228 Winter Garden Vineland Rd Suite 100		Street Address:	1228 Winter Garden Vineland Rd, Suite 100
	City, State, Zip:	Winter Garden FL 34787		Country:	US
	Phone:	407-287-3200		Phone:	4072873207
Email(s) for Report:	william.dempsey@aptim.com	Email(s) for Invoice:	lapamela.bradsaw@aptim.com		

**Project Information**

Project Name/No: Lake County Exp Bldg/631023227  
Purchase Order: P-CARD

EMSL LIMS Project ID: (if applicable, EMSL will provide)  
US State where samples collected: FL  
State of Connecticut (CT) must select project location:  
 Commercial (Taxable)  Residential (Non-Taxable)

Sampled By Name: William Dempsey  
Sampled By Signature: *William G. Dempsey*  
Date Sampled: 10/1/24  
No. of Samples in Shipment: 21

Turn-Around-Time (TAT)  
 3 Hour  6 Hour  24 Hour  32 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week  
 Please call ahead for large projects and/or turnaround times 6 Hours or Less. \*32 Hour TAT available for select tests only, samples must be submitted by 11:30am.

**Test Selection**

**PLM - Bulk (reporting limit)**

PLM EPA 600/R-93/116 (<1%)  
 PLM EPA NOB (<1%)  
 POINT COUNT  
 400 (<0.25%)  1,000 (<0.1%)  
 POINT COUNT w/ GRAVIMETRIC  
 400 (<0.25%)  1,000 (<0.1%)  
 NIOSH 9002 (<1%)  
 NYS 198.1 (Friable - NY)  
 NYS 198.6 NOB (Non-Friable - NY)  
 NYS 198.8 (Vermiculite SM-V)

**TEM - Bulk**

TEM EPA NOB  
 NYS NOB 198.4 (Non-Friable - NY)  
 TEM EPA 600/R-93/116 w Milling Prep (0.1%)

**Other Tests (please specify)**

Positive Stop - Clearly Identified Homogeneous Areas (HA)

Sample Number	HA Number	Sample Location	Material Description
4.1	4		2'x2' Ceiling Tile
4.2	4		2'x2' Ceiling Tile
4.3	4		2'x2' Ceiling Tile
5.1	5	South Office	2'x4' Ceiling Tile
5.2	5	South Office	2'x4' Ceiling Tile
5.3	5	South Office	2'x4' Ceiling Tile
6.1	6	Above Drop Ceilings	Insulation Backing
6.2	6	Above Drop Ceilings	Insulation Backing
6.3	6	Above Drop Ceilings	Insulation Backing
7.1	7	South Office Walls	Wall Panel

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment: **FEDEX**

Relinquished by: William G. Dempsey  
Date/Time: 10/1/24 1630

Sample Condition Upon Receipt: **OCT 02 2024**  
Received by: *[Signature]* 10:10  
Date/Time: **OCT 02 2024**

Controlled Document - Asbestos Bulk RT 9/14/2021

**AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



Report for:

**William Dempsey**  
**Aptim**  
1228 Winter Garden Vineland Road  
Winter Garden, FL 34787

---

Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: 631023227 - Lake Cnty Exp Bldg  
EML ID: 3801635

Approved by:



Approved Signatory  
Frank Ehrenfeld

Dates of Analysis:  
Asbestos PLM (Layer %): 10-09-2024

Service SOPs: Asbestos PLM (Layer %) (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

---

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Aptim  
 C/O: William Dempsey  
 Re: 631023227 - Lake Cnty Exp Bldg

Date of Receipt: 10-02-2024  
 Date of Report: 10-09-2024

**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**  
**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
4.4. 2'x2' Ceiling Tile 18760696-1	Layer 1 White Ceiling Tile Homogeneity:Good	Not Detected	60% Cellulose 20% Glass Fibers 20% Non-Fibrous Material	
9.4. HVAC Square Duct 18760697-1	Layer 1 White Wrap Homogeneity:Good	Not Detected	80% Non-Fibrous Material 20% Glass Fibers	
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

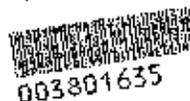
**Comments:**

**Analyst(s):** Aidan Becker

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



## Chain of Custody

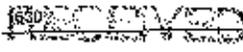
- Bulk Asbestos -

<u>Contact Information</u>	
<b>Client Company:</b> <u>Aptim E&amp;I</u>	<b>Project Number:</b> <u>631023227</u>
<b>Office Address:</b> <u>1228 Winter Garden Vineland Rd</u>	<b>Project Name:</b> <u>Lake Cnty Exp Bldg/631023227</u>
<b>City, State, Zip:</b> <u>Winter Garden, FL 34787</u>	<b>Primary Contact:</b> <u>William Dempsey</u>
<b>Fax Number:</b> <u>407287-3201</u>	<b>Office Phone:</b> <u>407-287-3207</u>
<b>Email Address:</b> <u>william.dempsey@aptim.com</u>	<b>Cell Phone:</b> <u>352-989-7774</u>

<u>PLM Instructions:</u>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input type="checkbox"/> PLM: Point Counting	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material*** (Dust, Wipe, Tape)
<input type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
<b>Special Instructions:</b> <u>Please cc japamela.bradshaw with invoice for payment via P-Card</u>	

\* Additional charge and turnaround may be required    \*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

<u>Turnaround Time</u>	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

<u>Chain of Custody</u>			
Relinquished (Name/Organization): <u>William G. Dempsey</u>	Date: <u>10/1/24</u>	Time: <u>16:30</u>	
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): _____	Date: _____	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: <u>001 = 2 2024</u>



***Appendix D***  
***Credentials for Consultant, Inspectors, and Laboratories***

---



Ron DeSantis, Governor

Melanie S. Griffin, 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

**APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC**

9143 PHILIPS HIGHWAY SUITE 400  
JACKSONVILLE FL 32256-7460

**LICENSE NUMBER: ZA317**

**EXPIRATION DATE: NOVEMBER 30, 2025**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)

ISSUED: 11/08/2023

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.





Ron DeSantis, Governor

Melanie S. Griffin, 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

**DEMPSEY, WILLIAM GLENN**

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC  
1228 WINTER GARDEN VINELAND RD  
WINTER GARDEN FL 34787

**LICENSE NUMBER: AX117**

**EXPIRATION DATE: NOVEMBER 30, 2024**

Always verify licenses online at [MyFloridaLicense.com](https://MyFloridaLicense.com)



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

*Center for Training, Research and Education for Environmental Occupations*

certifies

# **William Dempsey**

1228 Winter Garden Vineland Road Winter Garden FL 34787

Having passed a 25-question exam with a score of 70% or higher has successfully met training requirements for

## ***Asbestos Refresher: Inspector***

FDBPR Asbestos Licensing Unit: Provider #0000995; Course #FL49-0004731 (½ Day; 3.40 Contact Hours)

**(Reaccreditation for Inspector under TSCA Title II/AHERA)**

***Conducted***

**4/16/2024**

**Certificate #: 0078 - 005-1710**

**Exam Date: 4/16/2024**

**EPA accreditation expires: 4/16/2025**

**Principal Instructor: Brian Duchene, PE, LAC**

**CEUs: .4**

**FBPR LAC: #0000995; Course #0004731**

**FBPE CEHs: #0004021; Course #0009083/Educational Institutions: 4 CEHs**

**AL Safe State: Teacher name on roster**



Andrew Campbell, Director

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2017

---

NVLAP LAB CODE: 101151-0

**EMSL Analytical, Inc.**  
Orlando, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## **Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué on ISO/IEC 17025).*

2024-07-01 through 2025-06-30

Effective Dates



A handwritten signature in blue ink, appearing to read 'Peter S. Landon'.

For the National Voluntary Laboratory Accreditation Program

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**EMSL Analytical, Inc.**  
3303 Parkway Center Court  
Orlando, FL 32808  
Laura Vera  
Phone: 407-979-1104  
Email: lvera@emsl.com  
<http://www.emsl.com>

**ASBESTOS FIBER ANALYSIS**

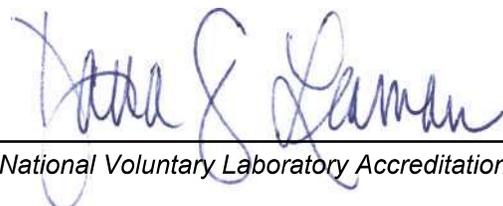
**NVLAP LAB CODE 101151-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2017

---

NVLAP LAB CODE: 101165-0

## International Asbestos Testing Laboratories

Mt. Laurel, NJ

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué on ISO/IEC 17025).

2024-07-01 through 2025-06-30

Effective Dates

---



A handwritten signature in blue ink, appearing to read 'Peter S. Lander'.

For the National Voluntary Laboratory Accreditation Program

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**International Asbestos Testing Laboratories**

9000 Commerce Parkway

Suite B

Mt. Laurel, NJ 08054

Mr. Frank E. Ehrenfeld III

Phone: 856-231-9449 Fax: 856-231-9818

Email: [frankehrenfeld@iatl.com](mailto:frankehrenfeld@iatl.com)

<http://www.eurofins.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101165-0**

**Bulk Asbestos Analysis**

**Code**

**Description**

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

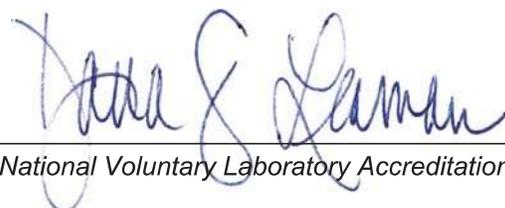
**Airborne Asbestos Analysis**

**Code**

**Description**

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



*For the National Voluntary Laboratory Accreditation Program*