



Accredited Environmental Technologies, Inc.

LIMITED MOLD ASSESSMENT

**MARS AREA SCHOOL DISTRICT
MIDDLE SCHOOL
(Students– 7TH Through 8TH Grade)**

**Conducted by: Accredited Environmental Technologies, Inc.
Lou Pergola, Vice President**

**Report Reviewed by: Alan Sutherland, CIH Ret.
President**

Management Contact: Frank Randza

**Location: Mars Area Middle School
1775 Three Degree Road
Mars, Pennsylvania**

AET Project No.: 10-18-PGH146MID

Date of Report: November 28, 2018

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EXECUTIVE SUMMARY

In September 2018, Accredited Environmental Technologies, Inc. (AET) was contracted by Mars Area School District to perform a Limited Mold Assessment within 5 schools comprising the Mars Area School District. Services were performed in accordance with AET's Proposal #10147 dated 9/27/18 to obtain/document background site information on each school for evidence of dampness, visible mold growth, musty/mold-like odors, temperature and relative humidity conditions and potential impact to school indoor air quality from airborne mold spores. AET's proposal is deemed limited as the client has requested only 5 Mold Spore Air Quality (MSAQ) samples and 5 surface (tape lift) samples to be collected during this assessment. AET's mold assessment is not related to previous or current water infiltration episode(s) or specific occupant mold-related complaints or health concerns.

This report details AET's mold assessment completed at Mars Area Middle School performed on 11/12/18. AET's on-site services were initiated prior to school opening hours and extended into student occupancy hours. Visual inspection of readily observable exposed/accessible walls, floors and ceilings throughout the Mars Area Middle School was performed for water impact/staining or suspect mold growth. Building HVAC operation was representative of standard school conditions. Ambient conditions during the limited mold assessment including partial cloudy conditions with an outdoor temperature of 45-48°F and a relative humidity of 20-27%.

AET's 11/12/18 limited mold assessment findings include:

1. **Odors:** No musty/mold like odors were noted throughout the school. No specific mold-related odor complaints were reported to AET.
2. **Visual Inspection:** Evidence of prior (now dry) and active (wet) water staining was noted on the drop ceiling tiles in multiple locations throughout the school. A room by room summary listing AET's findings are attached. No water staining was noted on wall surfaces, flooring was primarily floor tile with limited carpeting (no water pooling, wet conditions). The majority of ceiling tiles were in good condition (except surface staining); limited ceiling tiles were bowed.
3. **Concealed Materials Above Drop Ceiling:** Representative ceiling locations exhibiting active wet staining for visually inspected to review the cause of water infiltration (water leak). A major water leak source appeared to be the actuation valves on the HVAC piping lube system above the drop ceiling.
4. **ASHRAE IAQ Comfort Parameters (Temperature and Relative Humidity):** Temperature and relative humidity levels were measured at various locations throughout the school. Indoor measurements were compared to the thermal comfort recommended guidelines by OSHA and ANSI/ASHRAE 55. Overall temperature ranged from 66.6°F to 70.3°F. Relative humidity ranged from 28.7% to 52.2%. Temperature and relative humidity levels were within recommended ASHRAE Guidelines. Summary of temperature and relative humidity measurements within the Subject Areas and outdoors is shown in Table 1 below.

IAQ Comfort Parameter Measurements (11/12/18)		
Location	Temperature	Relative Humidity
Outdoors: Adjacent to Exit Door 1-5	48.5°F	26.5%
Outdoors: Adjacent to Exit Door 1-5	45.2°F	19.6%
Gym Center	70.6°F	22.6%
Commons Center	70.5°F	20.6%
Room 105 Center	70.5°F	28.5%
Room 189 Center	72°F	21.4%
Room 127 Center	70.7°F	24.8%

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5. **Surface Mold Growth:** Tape lift samples were collected visual inspection identified water staining (suspect mold growth). Mold growth was identified in 1 of the 5 samples collected (See table below). The majority of staining was due to a prior water leaks; surfaces appeared dry. The stained ceiling tile in Room 100 demonstrated the presence of Hyphae (evidence of active mold growth). **Recommendation:** Replace affected ceiling tile(s) and rectify water leak above.

Surface Mold Sampling Predominate Identified Fungal Group (11/12/18)				
Location(s)	Fungal Group/Spore Loading			
	Aspergillus/ Penicillium	Basidiospores	Stachybotrys	Hyphae*
Room 189 Staining Ceiling Tile	ND	ND	ND	ND
Room 127 Staining Ceiling Tile	ND	ND	ND	ND
Room 100 Staining Ceiling Tile	ND	2+	ND	1+
Room 106 Staining Ceiling Tile	ND	ND	ND	ND
Room 124 Supply Room, Staining Ceiling Tile	ND	ND	ND	ND

**Non-spore type typically indicative of mold growth at $\geq 2+$*

6. **Surface Mold Spores:** Visual inspection confirmed housekeeping throughout the school on routinely used/cleaned desks, tables, furnishings, etc. was acceptable. Significant dust levels were not identified (No sampling performed).
7. **Mold Spore Air Quality (MSAQ) Testing:** MSAQ testing was performed five (5) representative interior school locations (Classrooms and Gym) and compared to outdoors. Total interior mold spore concentrations were well below 2000 S/m³ and below outdoors. No amplification of unique mold species related to interior mold growth was noted (**acceptable**). Basidiospores were the primary mold spore type found; Basidiospores are common outdoor and indoor molds. No Aspergillus/Penicillium nor target mold species were detected (See Attached Standard Section). Total mold spore concentrations are summarized in Table 5 below.

Total Airborne Mold Spore Concentrations (11/12/18)					
Sample#	Location	Total Concentration	Specific Mold Genus		
			Basidiospores	Cladosporium	Aspergillus/ Penicillium
26901401	Outdoors; Adj. to Exit Door 1-5	729 S/m ³	638 S/m ³	ND	ND
26901392	Outdoors; Adj. to Exit Door 1-5	692 S/m ³	692 S/m ³	ND	ND
26901407	Gym (Center)	160 S/m ³	160 S/m ³	ND	ND
26901413	Commons (Center)	<40 S/m ³	ND	ND	ND
26901421	Room 105 Center	160 S/m ³	160 S/m ³	ND	ND
26901414	Room 189 Center	<40 S/m ³	ND	ND	ND
26901381	Room 127 Center	426 S/m ³	426 S/m ³	53 S/m ³	ND

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Conclusion – Evidence of prior/active water impact to the drop ceiling system was identified throughout the school. Building maintenance continues to initiate a program for the removal/replacement of stained ceiling tiles and repair of water leak sources above the drop ceiling system. No detectable impact to indoor air quality at the school was noted related to mold. The majority of ceiling tiles throughout the school building were observed in good condition (except surface staining) and limited ceiling tiles were bowed (a historical indication of previous high humidity conditions within the space). Relative humidity conditions above 60% can result in mold growth and water absorbance by porous materials such as ceiling tiles. Wet ceiling tiles impacted by water leaks above should be immediately removed and replaced, following fixing of the leak.

This executive summary does not contain all of the information that is detailed in the full report. The report should be read in its entirety, including any tabular findings and appendices to obtain a more complete understanding of the information provided, and to aid in any decisions made, or actions taken, based on this information.

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STANDARDS

There are no Federal (OSHA/EPA) or Commonwealth of Pennsylvania regulatory standards for mold. Mold in both the residential and occupational settings do not comprise a single entity but generally a complex mixture of many different fungi, bacteria, etc. Human response can vary significantly based on wide variations in individual susceptibility. Health effects information regarding mold is generally insufficient to describe exposure-response relationships. The prudent approach for mold within buildings is to repair sources of water infiltration or elevated humidity and remediate areas of mold growth and maintain airborne mold spore levels as low as can be reasonably achieved. All allergy or medical related questions and concerns, including health concerns related to possible mold exposure, should be directed to a qualified physician.

Standards of care (recommended guidelines) have been developed and published by OSHA, EPA, American Conference of Governmental Industrial Hygienists (ACGIH), and the National Organization of Remediators and Mold Inspectors (NORMI) pertaining to mold assessments, controls, remediation, prevention, work practices, and post remediation validation in the indoor environment. The ACGIH recommended approach to assessing and controlling mold exposures relies on visual inspection, assessing occupant symptoms, evaluating building performance, monitoring potential environmental sources and application of professional judgement. Standard industry practice for MSAQ compares airborne mold concentrations in the area(s) of concern to outdoor levels as well as indoor non-concern or comparative locations. Both the total airborne mold spore levels and specific mold species in each sample is reviewed on a comparative basis. Surface staining or suspect mold growth is evaluated by bulk, swab or tape lift sampling.

NORMI standard of care for interpretation of sampling data for mold assessments is listed below. These standard industry practices have been incorporated into AET's services described herein.

NORMI Standard of Care Guidelines for Mold Assessment Samples			
Sample Type	Result /m ³	NORMI Interpretation	Notes
Airborne Mold Spore (non-viable)	Total Spore Count	<2000 Normal	Other molds may be found that have significance in some environments such as Cladosporium, which can be found as indoor sources and can be prevalent outdoors.
	Aspergillus/Penicillium	<200 Normal	
	Target Molds (Stachybotrys, Chaetomium, Trichoderma, Fusarium, Memnoniella)	No Target Molds	
Surface Mold by Tape or Swab (non-viable)	1-10 spores (~1+)	Rare	Normal
	11-100 spores (~2+)	Low	Caution
	101-1000 spores (~3+/4+)	Medium	Contamination Probable
	>1000 spores (~5+)	High	High Contamination

Please consult with the EPA document Mold Remediation in Schools and Commercial Buildings for information regarding prevention, investigating, evaluating, and remediation of mold problems.

Resource information/guidance/interpretation of mold testing results can be found at the following websites.

- www.cdc.gov
- www.oiha.org
- www.osha.gov
- www.epa.gov

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RESTRICTIONS/LIMITATIONS OF SERVICES

Visual Inspection: AET's findings and conclusions are based on the conditions present (both outdoors and inside accessible interior areas of the designated building areas) during AET's time on-site (snapshot in time). Visual inspection was performed on readily observable, exposed/accessible (within view) interior building materials present at the time of inspection and within the areas/locations cited. Intrusive inspection within wall cavities, HVAC systems, limited ceiling plenums and/or similar concealed locations was not performed. Further, review/inspection of building contents, furnishings and personal belongings was not included in AET's services. Accessible is defined as readily reachable with a 6' ladder; OSHA's Construction Standard requires fall protection at heights above 6 feet above the lower level (typical maximum reachable height 9 feet).

AET's mold assessment services are based on standard industry practice for inspection and sampling protocols exhibited by the members of the mold consulting profession. There are no federal (OSHA or EPA) standards (only guidelines) for mold investigation, evaluation and remediation. AET's mold professional decision-making is based on inspection of building materials for visible mold growth, signs of water damage, a history indicating previous water leaks and/or elevated humidity levels or condensation. Indoor mold needs moisture to grow. Mold growth will occur if favorable conditions exist; amplification will continue until the underlying source(s) are eliminated and remediation performed. Where moisture intrusion has occurred, drying is an essential component of moisture remediation. Continuous surveillance of walls, floors and ceilings for water damage/staining and signs of mold amplification is recommended.

AET was not contracted to identify or rectify sources of water infiltration (such as subsurface, window, roof, or plumbing leaks). AET's policy is to identify mold-impacted building materials and affected building locations which require mold remediation; not identify specific quantities. Mold remediation (removal, cleaning, drying) requires progressive visual inspections and moisture testing during remediation. Standard practice is to remove affected building materials including a 2 to 3-foot buffer area surrounding the impacted building materials. Without complete removal of mold colonization, as well as repair of moisture sources, mold will grow back. AET recommends mold remediation work be performed by a licensed mold remediation contractor; contact AET's project manager for specific guidelines and assistance (where required).

The purpose of AET's mold assessment was not to determine if water infiltration has resulted in structural damage to the integrity of the roof, walls, ceilings or foundation at the site. This is an engineering function which must be completed by appropriate engineering professionals.

Mold Spore Air Quality Sampling: MSAQ is a standard practice of AET's mold assessment decision-making. MSAQ results compare indoor airborne mold spore levels versus outdoors and area(s) of concern versus non-complaint (see NORMI Interpretation Guidelines in Standards Section). The purpose of MSAQ is to supplement AET's visual inspection findings (particularly in regard to potential concealed moisture damage or mold growth) including recent disturbance of these materials.

MSAQ results must include professional knowledge and judgement that significant variability of MSAQ levels can occur over the course of an hour or less. MSAQ may be representative of typical conditions but may miss evidence of problems that occur only infrequently. MSAQ cannot be used to prove the absence of a problem nor the basis of dismissing a complaint or defending inadequate efforts for continuing investigations or solving potential mold problems.

Health Concerns: The purpose of MSAQ sampling was not to correlate building conditions and sampling data for comparison to potential health effects. The CDC, EPA and OSHA agree that living or working in a building with mold damage can result in increased risk of respiratory disease. However, each person's response to mold exposure is unique; individual susceptibility can range from no reaction to allergic or irritation responses to flu-like symptoms. In very rare cases, fungal infections may occur. The wide variability in how people are affected by airborne mold is one of the reasons why there are no airborne exposure standards for mold. According to the

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ACGIH, a minimum of 36 samples are necessary for comparative purposes in worst case scenarios when determination of health effects is required. AET recommends the use of a qualified occupational physician where health effects have been reported by building occupants.

Warranty: AET's services were performed in a manner consistent with the level of skill and standard industry practices exhibited by members of the mold consulting profession. No other representations or warranties, expressed or implied, are included in connection with this report due to the restrictions/limitations detailed herein. AET's services were performed in accordance with the project intent identified in AET's proposal and subject to AET's terms and conditions dated April 2018. AET's findings/conclusions are not intended to be all inclusive; conditions which were not permitted, were undocumented, not observed or otherwise concealed on the subject property could exist (which may result in a modification of our conclusions or recommendations presented). The conclusion portion of this report is not intended to identify all areas of the structure which may have exposed or concealed mold contamination. Further, mold contamination is only one of the many IAQ sources which can exist at the site (investigation of which is not part of AET's scope of services). Liability on the part of AET is limited to the monetary value paid for this report.

If you have any questions or require additional information, please do not hesitate to contact our office.

Thank you for the opportunity to be of service.

Sincerely,



Alan J. Sutherland, CIH Ret.
President

Accredited Environmental Technologies, Inc.

AIRBORNE FUNGAL SPORE ANALYSIS REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 10-18-PGH146

LOCATION: MARS AREA MIDDLE SCHOOL
17675 THREE DEGREE ROAD
MARS, PENNSYLVANIA

DATE COLLECTED: 11/12/18

DATE ANALYZED: 11/14/18

FUNGAL SPORES BY OPTICAL MICROSCOPY									
Sample #	26901401			26901407			26901413		
Location	Outdoors: Adjacent to Exit Door 1-5			Gym (Center)			Common Area (Center)		
Volume (Liters)	75			75			75		
Non-Spore Loading									
Background Debris	1+			1+			1+		
Hyphal Fragments	ND			ND			ND		
Pollen	ND			ND			ND		
Presumptive Spore Types	Count	%	S/m3	Count	%	S/m3	Count	%	S/m3
Alternaria	4	7	53	-	-	-	-	-	-
Arthrinium	-	-	-	-	-	-	-	-	-
Ascospores	4	7	53	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	48	86	638	12	100	160	-	-	-
Bipolaris/Drechslera	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Fusicladium	-	-	-	-	-	-	-	-	-
Geotrichum	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium/Erysiphe	-	-	-	-	-	-	-	-	-
Pestilotia	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Rusts	-	-	-	-	-	-	-	-	-
Smuts/Periconia/Myxomycetes	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Tetraploa	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unknown/other	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Zygothia	-	-	-	-	-	-	-	-	-
TOTAL FUNGAL SPORES	56	-	729	12	-	160	0	-	<40



Kelly Eckhart, Laboratory Analyst

Background Debris Rating Scale:

ND = None Detected, 1+ = Minimal, 2+ = Up to 25%, 3+ = >25% to 50%, 4+ = >50% to 75%, 5+ = >75%

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AIRBORNE FUNGAL SPORE ANALYSIS REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 10-18-PGH146

LOCATION: MARS AREA MIDDLE SCHOOL
17675 THREE DEGREE ROAD
MARS, PENNSYLVANIA

DATE COLLECTED: 11/12/18

DATE ANALYZED: 11/14/18

FUNGAL SPORES BY OPTICAL MICROSCOPY									
Sample #	26901421			26901414			26901381		
Location	Room 105 Center			Room 189 Center			Room 127 Center		
Volume (Liters)	75			75			75		
Non-Spore Loading									
Background Debris	1+			1+			1+		
Hyphal Fragments	ND			ND			ND		
Pollen	ND			ND			ND		
Presumptive Spore Types	Count	%	S/m3	Count	%	S/m3	Count	%	S/m3
Alternaria	-	-	-	-	-	-	-	-	-
Arthrinium	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	12	100	160	-	-	-	32	100	426
Bipolaris/Drechslera	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	4	9	53
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Fusicladium	-	-	-	-	-	-	-	-	-
Geotrichum	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium/Erysiphe	-	-	-	-	-	-	-	-	-
Pestilotia	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Rusts	-	-	-	-	-	-	-	-	-
Smuts/Periconia/Myxomycetes	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Tetraploa	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unknown/other	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Zygothiala	-	-	-	-	-	-	-	-	-
TOTAL FUNGAL SPORES	12	-	160	0	-	<40	32	-	426



Kelly Eckhart, Laboratory Analyst

Background Debris Rating Scale:

ND = None Detected, 1+ = Minimal, 2+ = Up to 25%, 3+ = >25% to 50%, 4+ = >50% to 75%, 5+ = >75%

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AIRBORNE FUNGAL SPORE ANALYSIS REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 10-18-PGH146

LOCATION: MARS AREA MIDDLE SCHOOL
17675 THREE DEGREE ROAD
MARS, PENNSYLVANIA

DATE COLLECTED: 11/12/18

DATE ANALYZED: 11/14/18

FUNGAL SPORES BY OPTICAL MICROSCOPY									
Sample #	26901392								
Location	Outdoors: Adjacent to Exit Door 1-5								
Volume (Liters)	75								
Non-Spore Loading									
Background Debris	1+								
Hyphal Fragments	ND								
Pollen	ND								
Presumptive Spore Types	Count	%	S/m3	Count	%	S/m3	Count	%	S/m3
Alternaria	-	-	-						
Arthrinium	-	-	-						
Ascospores	-	-	-						
Aspergillus/Penicillium	-	-	-						
Basidiospores	52	100	692						
Bipolaris/Drechslera	-	-	-						
Botrytis	-	-	-						
Cercospora	-	-	-						
Chaetomium	-	-	-						
Cladosporium	-	-	-						
Curvularia	-	-	-						
Epicoccum	-	-	-						
Fusarium	-	-	-						
Fusicladium	-	-	-						
Geotrichum	-	-	-						
Nigrospora	-	-	-						
Oidium/Erysiphe	-	-	-						
Pestilotia	-	-	-						
Pithomyces	-	-	-						
Polythrincium	-	-	-						
Rusts	-	-	-						
Smuts/Periconia/Myxomycetes	-	-	-						
Spegazzinia	-	-	-						
Stachybotrys	-	-	-						
Stemphylium	-	-	-						
Tetraploa	-	-	-						
Torula	-	-	-						
Trichoderma	-	-	-						
Ulocladium	-	-	-						
Unknown/other	-	-	-						
Zygomycetes	-	-	-						
Zygophiala	-	-	-						
TOTAL FUNGAL SPORES	52	-	692						



Kelly Eckhart, Laboratory Analyst

Background Debris Rating Scale:

ND = None Detected, 1+ = Minimal, 2+ = Up to 25%, 3+ = >25% to 50%, 4+ = >50% to 75%, 5+ = >75%

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BULK/TAPE LIFT ANALYSIS MOLD REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 10-18-PGH146

LOCATION: MARS AREA MIDDLE SCHOOL
1775 THREE DEGREE ROAD
MARS, PENNSYLVANIA

DATE COLLECTED: 11/12/18

DATE ANALYZED: 11/14/18

SAMPLE NO./ DESCRIPTION	GROSS SAMPLE APPEARANCE	PRESUMPTIVE STRUCTURE TYPE	LOADING
TL01: Tape Lift Room 189 Stain on Ceiling Tile	N/A	ND	ND
	Comments: Light Background Loading		
TL02: Tape Lift Room 127, Stain on Ceiling Tile	N/A	ND	ND
	Comments: Moderate Background Loading		
TL03: Tape Lift Room 100 Stain on Ceiling Tile	N/A	Basidiospores	2+
	Comments: Moderate Background Loading; Hyphae Loading 1+		
TL04: Tape Lift Room 106 Stain on Ceiling Tile	N/A	ND	ND
	Comments: Light Background Loading		
TL05: Tape Lift Room 124, Supply Room Stain on Ceiling Tile	N/A	ND	ND
	Comments: Light Background Loading		

Reviewed By:



Kelly Eckhart, Laboratory Analyst

Rating Scale:

Attachment

Feb 2012
Version 1.8

ND = None Detected
1+ Minimal Microbial Loading
2+ Up to 25% Microbial Loading
3+ 26% to 50% Microbial Loading
4+ 51% to 75% Microbial Loading
5+ >75% Microbial Loading

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MARS AREA MIDDLE SCHOOL

LIMITED MOLD ASSESSMENT (11/12/18)

AET PROJECT #: 10-18-PGH146ELEM

ROOM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
Gym	70.6	20.8	N	N	N	N	N	N	Ceiling is acoustical fiberboard, wood floor
Commons	70.5	20.6	N	N	N	Y	N	Y	10 inch diameter stain on ceiling tile, adj. to music room door, ceiling is wood 7 partical 2x4 ceiling tile, no carpet
105	70.5	23.5	N	N	Y	N	N	Y	No staining on ceiling tile, small stains on carpet
189	72	21.4	N	N	N	Y	N	N	10 inch diameter stain, adjacent to speaker on ceiling tile, no carpet, 8" diameter stain center on ceiling tile, valve leaking
127	70.7	24.8	N	N	N	Y	N	N	6 inch diameter stain on ceiling tile, adj to clock, valve leaking, no carpet
100	62.6	28.6	N	N	N	Y	Y	N	12 inch diameter stain above sink, no carpet
101	66.9	26.9	N	N	N	N	N	N	No stains on ceiling tile, ceiling tile dirty around vents, no carpet
102	68.7	22.9	N	N	N	Y	N	N	6 inch stain, adjacent to HVAC unit on ceiling tile
103	68.8	23.7	N	N	Y	Y	N	N	3 inch stain adj. to protection on ceiling tile, carpet stained
104	68.7	26.5	N	N	Y	Y	N	N	6 inch diameter stain on ceiling tile, center of room, small stains on carpet
105	68.7	28.8	N	N	N	N	N	N	Stains on ceiling tile, center of room, no carpet
106	69.6	27.9	N	N	N	N	Y	N	No stains on ceiling tile, carpet has a few small stains
107	70.4	25.5	N	N	N	N	N	N	No stains on ceiling tile, no carpet
108	68.5	28.6	N	N	N	N	N	N	No stains on ceiling tile, small stains on carpet
109	70.1	26.5	N	N	N	Y	N	N	Water stain on light fixture, 6" diameter stain on ceiling tile, center of room, no carpet
110-112	70	26.6	N	N	N	N	N	N	No stains on ceiling tile, no carpet
113-113A	71.1	26	N	N	N	N	N	N	No stains on ceiling tile, no carpet
114	70.3	26	N	N	N	N	N	N	No stains on ceiling tile, no carpet
115	69.7	25.6	N	N	N	N	N	N	No stains on ceiling tile, no carpet
116	70.2	23.1	N	N	N	N	N	N	No stains on ceiling tile, no carpet
117	70.3	23.7	N	N	N	N	N	N	No stains on ceiling tile, no carpet
118	70.5	25.6	N	N	N	N	N	N	No stains on ceiling tile, no carpet, 5 Aquariums
119	70.3	26.6	N	N	N	N	N	N	No stains on ceiling tile, no carpet
120	70.2	26.3	N	N	N	Y	N	N	2 inch diameter stain on ceiling tile above projector, no carpet

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ROOM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
177								No Access	
178								No Access	
179 Library	70.7	22.5	N	N	N	Y	N	N	2-12 inch diameter stains on ceiling tile in projection area, carpet
180	70.9	22.7	N	N	N	Y	N	N	Slight stain above fire strobe, carpeted
181	70.8	22.7	N	N	N	Y	N	N	2-4 inch diameter stains on ceiling tile, carpeted
182	70.9	24.1	N	N	N	Y	N	N	18 inch diameter on ceiling tile, adj to column carpet
183 A/B	70.8	23.7	N	N	N	Y	N	N	Boys RR - 6 inch diameter stain on ceiling tile in Boy RR Girls RR - Stains above mirrors
184	70.9	24.0	N	N	N	Y	N	N	10 inch diameter stain on ceiling tile, back of room, no carpet
185	71.0	23.9	N	N	N	N	N	N	No stains, carpeted
186	71.1	24.8	N	N	N	N	N	N	No stains, carpeted
187									No Access
188	71.2	23.8	N	N	N	Y	N	N	Slight stain on ceiling tile above TV, carpeted
189	71.4	24.4	N	N	N	Y	Y	Y	6 inch diameter stain adjacent to projector, 6" diameter stain adjacent to speaker, no carpet
190	71.6	24.4	N	N	N	N	N	N	No stains, carpeted
191	71.8	23.8	N	N	N	Y	N	N	3 inch diameter stain on ceiling tile adj to speaker, carpeted