



IAQ ASSESSMENT

Flagler County Sheriff's Operations Center
901 E. Moody Blvd.
Bunnell, Florida 32210

Date of Inspection: March 6, 2018

MOLD-SPEC was retained by the client to perform an IAQ Assessment in random areas throughout the building to insure the air-quality is within normal limitations for health and safety purposes.

SAMPLING MEDIA

MOLD-SPEC utilized air-o-cells as a method for assessing indoor air-quality within the subject property while performing this Indoor Air Quality Assessment; The purpose of the spore trap air sampling is to provide an approximation of the airborne microbial (fungal) spore concentrations inside and outside the building.

Air-O-Cell samples- The **MOLD-SPEC** inspector collected non-viable air samples utilizing a high volume sampling pump calibrated to a flow rate of 15 liters per minute (15LPM). Air samples were collected by running the collection pump for approximately Five (5) minutes at a flow rate of 15 liters per minute (L/min). The Air-O-Cell sampler allows airborne particles to be pulled through the cassette filter by the high flow pump that impacts the airborne particles onto a sticky transparent glass slide in the center of the cassette. The slide can be stained and analyzed by routine laboratory techniques.

SAMPLING RESULTS

An outside control sample was collected for comparison (2526021). Indoor air samples were collected in Room 129 (2526031), Hallway 1 Outside Room 129 (2526047), Room 152

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Commanders Room (2526059), Patrol Ready Room (2525983), Investigations Conference Room (2526030), Hallway 2 Outside Copy Room (2526042), Victim Services (2526041), Hallway Outside Containment Area (2526066), Room 150 IT (2526033), Room 146 Muster Training (2526032), Hallway 2 Outside Men's Restroom (2526065), Room 157 Payroll and accounts Payable (2526065), Purchasing Office (2526062), Room 179 Conference Room (2526366), Room 174 Chief Strobridge (2526026), Room 166 Commander Weber (2526020), Lobby (2526025) and Room 103 Records. A total twenty-two (22) air samples were taken during the site visit. The cassettes were sealed and placed in a plastic bag along with the Chain of Custody and shipped via Federal Express to HAYES MICROBIAL CONSULTING for microscopic examination to identify the genus level, the type and airborne concentration of fungal spores. A copy of the laboratory spore trap analysis report is included (see attached).

DATA INTERPRETATION

Currently in the U.S., no federal agency has clear authority to regulate exposure to biological agents associated with Building Related Illnesses. Countable bio aerosols have no Permissible Exposure Limits (PEL's) or Threshold Limit Values (TLV's) for the following reasons: the culturable/countable bio aerosols have no single entry: the human response range varies greatly from one individual to the next; it is not possible to collect and evaluate all bio aerosol components using a single sampling method; and the information relating bio aerosol concentrations to health effects is generally insufficient to describe exposure response.

Due to the wide variety of microorganisms found across different regions of the U.S. and the influence of normal humidity and temperature conditions, the concentrations of bio aerosols vary significantly from area to area. General speaking, the indoor flora should be lower than, but similar (genus and species) to that of the outdoor air. Indoor air counts are typically expected to be 30 – 80% of the outdoor spore counts, with the same general distribution of spore types present. Spore counts in filtered air, conditioned air or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. Spore counts in dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types. A substantial increase in one of two more spore types which are inconsistent with an non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.

CONCLUSION

Based upon the analytical results, the air-quality is well within normal limitations, there is no concern for poor air-quality.

Attached are the results from HAYES MICROBIAL CONSULTING, an independent microbiology laboratory. The findings of this report represent our professional opinion. The findings of this report are relevant to the date of our inspection and the information cited herein. If you have any questions about this report or lab results, please feel free to call me at 386-566-5284. Thank you!

Sincerely,



Ginger S. Stanley
FLORIDA STATE LICENSED MOLD ASSESSOR MRSA#1813
FLORIDA STATE LICENSED MOLD REMEDIATOR MRSR#835



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