

I have reviewed the training received by Patrick Hartshorn for the techniques used when performing mold assessments and post remediation verifications. I do hereby confirm that based on this information, Patrick Hartshorn has completed the training required to conduct these services and utilize correct laboratory sampling procedures. Assessment procedures adhere to American Society for Testing and Materials (ASTM) guidelines. Sample analyses utilize analytical methods recommended by the American Industrial Hygiene Association (AIHA), and the American Conference of Governmental Industrial Hygienists (ACGIH). Sampling technique and procedures are as follows:

- Standardized procedures are recommended for the assessment of potential moisture intrusion and possible mold growth in an indoor environment.
- The assessment is a limited, visual, non-invasive inspection of the structure and conditions present at the time of the inspection.
- Microbial sample collection and data interpretation provides additional information in order to assist in identifying potential sources of moisture intrusion and/or mold growth.
- The purpose of this assessment is to identify, and report detected moisture intrusion and mold contamination in an indoor environment.
- Information documented on the project Chain of Custody (COC) and supported by analytical data may warrant further evaluation and/or sampling.

The laboratory that analyzed the **1815 Momeganna St, Airport Inn samples** has accreditations that meet the AIHA Environmental Microbiology Laboratory Accreditation Program (EMLAP) requirements. **Review of the laboratory data indicates there is mold present on the surfaces sampled. Additionally, the laboratory data indicates an elevated mold score and elevated moisture indicator organisms in the indoor air. Per the United States Centers for Disease Control and Prevention (CDC) and Health Canada, the types and concentrations of mold in indoor air should be like what is found in the local outdoor air.**

Information collected from the Chain of Custody indicates elevated moisture, water damage and staining were detected during testing. According to the United States Centers for Disease Control and Prevention (CDC), it is important to dry water-damaged areas and items within 24-48 hours to prevent mold growth.

Based on the laboratory data and chain of custody information referenced above, it would be my recommendation that the occupant become familiar with the CDC mold cleanup procedures found at: <https://www.cdc.gov/mold/cleanup-guide.html> **The source of any water intrusion should be identified and corrected, all water-damaged materials should be replaced, and subsequent mold growth properly cleaned up following the Institute of Inspection, Cleaning and Restoration Certification (IICRC) or CDC guidelines.**

Additionally, the area being remediated should be contained and isolated from the rest of the building. If the occupant is uncomfortable performing self-cleanup, it may be prudent to begin further investigation and develop a remediation plan. I would recommend that the occupant

contact a company that is capable of servicing their area. Council-certified investigators and remediators may be located at www.ACAC.org The occupant should remain vigilant for possible hidden mold growth during any remodeling or maintenance activities and follow the CDC recommendations for self-cleanup or retain a qualified remediation firm if any hidden microbial growth is found. **Once cleanup is complete, Post Remediation Verification (PRV) is highly recommended to determine the effectiveness of remediation. The PRV should include a visual assessment, moisture measurements, and additional air sampling. This assessment should be conducted prior to containment removal and rebuild.**

Health Canada recommends “controlling humidity and diligently repairing any water damage in residences to prevent mould growth and to clean thoroughly any visible or concealed mould growing in residential buildings.” <http://www.hc-sc.gc.ca/ewh-semt/air/in/res-in/index-eng.php> Health Canada also recommends, “Air testing for mould may be helpful to confirm that all mould has been removed following remediation. Such mould testing must be designed and conducted properly and should only be done by an experienced professional.” Therefore, it is **highly recommended that additional air sampling be conducted after final cleanup** to ensure the USEPA guidance of “the kinds and concentrations of mold and mold spores in the building should be similar to those found outside.” <http://www.epa.gov/mold/i-e-r.html#Sampling>

Review performed by Michael Buettner, RespirCare Analytical Review Coordinator with board certifications as follows:

Council Certified Indoor Environmentalist (CIE) #01918 Expires 9/30/2024

Council Certified Indoor Air Quality Manager (CIAQM) #0710047 Expires 10/31/2023

Above listed certifications are board-awarded and maintained through the American Council for Accredited Certifications (ACAC). ACAC programs are accredited by the Council for Engineering and Scientific Specialty Boards ([CESB](http://www.CESB.org)). ACAC programs are compliant with ISO standards 9000, 9001, 9004, 17000 and 17024.

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