2022 - 2023 IAQ Walkthrough

Contact Us:

BROOKLYN PARK OFFICE
9201 W. BROADWAY, #600
BROOKLYN PARK, MN 55445
763-315-7900

MANKATO OFFICE
610 N. RIVERFRONT DRIVE
MANKATO, MN 56001
507-345-8818

ROCHESTER OFFICE
210 WOOD LAKE DRIVE SE
ROCHESTER, MN 55904
507-281-6664

BRAINERD OFFICE
601 NW 5TH STREET SUITE #4
BRAINERD, MN 56401
218-454-0703

MARSHALL OFFICE
1420 EAST COLLEGE DRIVE
MARSHALL, MN 56258
507-476-3599

VIRGINIA OFFICE
5525 EMERALD AVENUE
MOUNTAIN IRON, MN 55768
218-410-9521

www.ieasafety.com
info@ieasafety.com
800-233-9513

Saint Paul Public Schools
Wheelock Early Education

Walkthrough Date:
Tuesday, March 7, 2023
Project Description

IEA conducted an Indoor Air Quality (IAQ) walkthrough at Wheelock Early Education by IEA representative, Erik Holloman. This walkthrough was conducted with the intent of gathering basic air quality and visual observations which will assist the District in making informed and proactive decisions to improve and maintain acceptable air quality in the building. This walkthrough is based upon the Environmental Protection Agency's (EPA’s) Tools for Schools IAQ guidelines.

Some observations gathered during the walkthrough may identify issues which may require additional testing, evaluation or further investigation.

The findings, conclusions and recommendations presented herein are believed to be accurate and representative of the building on the date and time of the walkthrough.

GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from Saint Paul Public Schools at the indicated locations. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment.

The report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted indoor air quality practices. Other than as provided in the preceding sentence, no warranties are extended or made.
Building Information

General information regarding the building was collected during the walkthrough. The information gathered during this process is a vital component, as it is helpful in determining how these items may play a role in possible IAQ related issues.

Below is a summary of the information gathered during the walkthrough:

- The building has one (1) floor.
- The building has not had recent construction.
- There are operable windows in the exterior rooms within the building.
- The building was originally constructed in 1962.
- The building does utilize walk-off mats.
- There are no below grade floors.
- There are tunnels under portions of the building.
## Observations Summary and Air Quality Measurements

<table>
<thead>
<tr>
<th>Room / Location</th>
<th>Number of Occupants</th>
<th>Odor Present</th>
<th>Observations</th>
<th>Dust Accumulation</th>
<th>CO₂ (ppm)</th>
<th>CO (ppm)</th>
<th>RH (%)</th>
<th>Temp (°F)</th>
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IEA, Inc.
See below for IEA’s list of concern areas and recommendations:

**Indoor Air Quality Parameters/Guidelines**
IEA recorded area(s) with humidity levels outside the ASHRAE recommended range of 30 - 60%. Relative humidity levels identified in area(s) listed below were found to be outside these guidelines. Low humidity levels tend to dry mucous membranes which may result in increased susceptibility to irritation. Elevated humidity levels can lead to condensation and provide conditions conducive to fungal growth. Low relative humidity is common in buildings during the heating season. An evaluation of the ventilation system controls, performance and operation is recommended.

- IEA identified seventeen (17) rooms with relative humidity levels below 30%. However, this is common for non-humidified buildings during the heating season and is not considered an issue.

IEA recorded area(s) with temperatures outside the recommended range. During the heating season, ASHRAE recommends that temperatures be between 68°F and 75°F. Evaluation of temperature controls and/or ventilation system performance and operation is recommended.

- 1105 CUSTODIAL

**Dust Accumulation**
IEA observed dust accumulation in the following room(s) and recommend that the specified area is wiped clean using a damp rag.

- 1105 CUSTODIAL

*Horizontal Surfaces*