



**Date:** 11/22/22

**Performed by:** Andrew Tinklenberg

**Location:** Hmong International Academy – 1501 30<sup>th</sup> Avenue North, Minneapolis, MN 55411

**RE:** Radon Testing

## INTRODUCTION

From November 14 – 17, 2022, radon testing was performed within Hmong International Academy located at 1501 30<sup>th</sup> Avenue North in Minneapolis, MN. The testing was performed to ensure that radon gas concentrations within the building are below the established regulatory limits. Testing was conducted under normal occupied building conditions in frequently-occupied ground contact rooms and other areas in accordance with ANSI/AARST Protocols for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings 2014 with 1/21 Revisions and Minnesota Department of Health (MDH) guidelines.

## SUMMARY OF FINDINGS

All of the areas that were tested were found to have radon gas levels below 4.0 picocuries per liter of air (pCi/L), which is the EPA and MDH action level. The test kit in the east half of the gym was tampered with/removed and could not be submitted for analysis. But because a valid result was obtained in the west half of the gym and was very low, re-testing in the space is not necessary. (Note: Spike sampling is performed in conjunction with this testing, Duplicate (side-by-side) sampling was conducted in select areas at a rate of 10% of areas tested, and Rooms “A, B & C” were the blank samples.)

The radon test kits were submitted to and analyzed by AirChek, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759 (MN License #RL-00003). Please refer to the attached AirChek radon testing report and sample diagrams for further information concerning the radon testing, areas that were tested, and the radon levels that were found to be present. Per MDH requirements, this information will be shared with the local regulatory agency (MDH - [health.indoorair@state.mn.us](mailto:health.indoorair@state.mn.us), Phone # 651-201-4601) and incorporated in an MPS’ board meeting. The information will also be posted on the EH&S webpage available through the main MPS website and maintained on file by EH&S.

## REMARKS

Every effort was made to maintain closed building conditions and HVAC systems are monitored and controlled remotely by MPS Direct Digital Control (DDC) personnel. Any deviation in building conditions or sampling protocol which could have an impact on the testing and test results is described in the summary above. If any unoccupied areas that were not tested are planned for future occupancy, contact EH&S so that the areas can be tested. Unless specified, all QA/QC measurements were within the required limits. Radon testing is to be performed in MPS District buildings every 5 years or any time major renovation activities take place which have the potential to impact the building’s foundation or HVAC systems. Refer to the attached test condition summary and ANSI/AARST advisories for additional information concerning the radon testing.

If you have any questions regarding this information, please feel free to contact me. Thank you,



Andrew Tinklenberg  
MDH RMEA-00426  
NRPP ID# 111389 RT



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Environmental Health & Safety - Facilities Dept.  
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612-668-0306 Phone  
612-668-0310 EH & S General Office  
612-668-0275 Fax



**Attachments**

- Radon Testing Results
- Floor Plans
- Notification Documents
- Test Condition Summary
- ANSI/AARST Advisory Statements

## I5554 / ANDREW TINKLENBERG / MINNEAPOLIS PUBLIC SCHOOLS

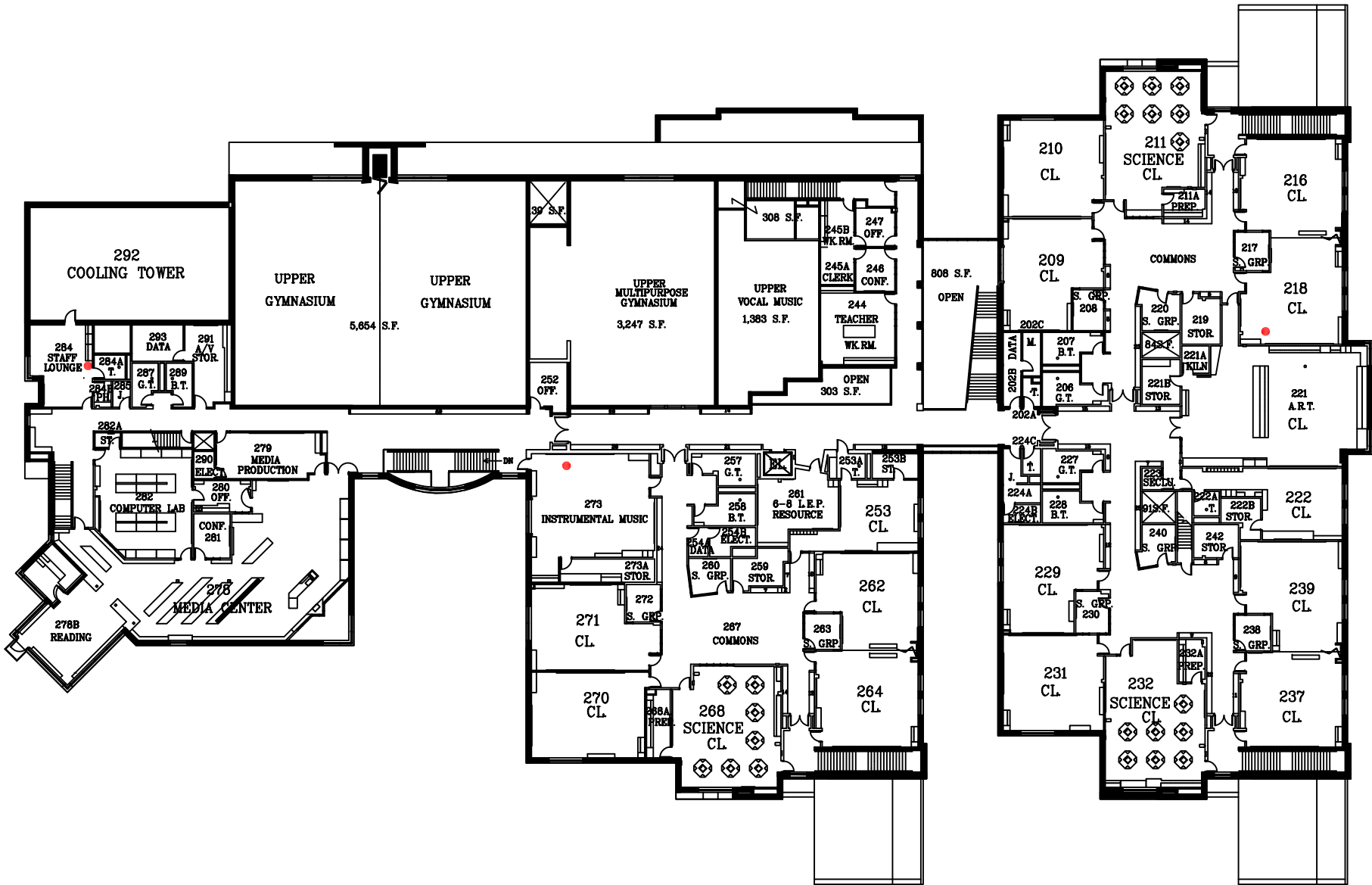
Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
11268182	2022-11-14	7:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 199	HIA	1	0.7
11268183	2022-11-14	7:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 199	HIA	1	0.6
11268184	2022-11-14	7:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 195	HIA	1	0.6
11268185	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CAFETERIA 191	HIA	1	< 0.3
11268186	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	GYM 189	HIA	1	0.6
11268188	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 187	HIA	1	0.9
11268189	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	MULTI-PURPOSE 173	HIA	1	0.7
11268190	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 182	HIA	1	2.9
11268191	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 179	HIA	1	0.7
11268192	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 181	HIA	1	< 0.3
11268193	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 184	HIA	1	0.9
11268194	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 184A	HIA	1	0.9
11268195	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 186	HIA	1	0.7
11268196	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 170	HIA	1	0.5
11268197	2022-11-14	8:00 am	2022-11-17	3:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 170	HIA	1	0.8
11268198	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 145	HIA	1	0.9
11268199	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 146	HIA	1	0.9
11268200	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 148	HIA	1	0.9
11268201	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 150	HIA	1	1.7
11268202	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 151	HIA	1	0.8
11268203	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 153	HIA	1	0.8
11268204	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 154	HIA	1	< 0.3
11268205	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 156	HIA	1	< 0.3
11268206	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 159	HIA	1	< 0.3
11268207	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 108	HIA	1	< 0.3
11268208	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 109	HIA	1	1.6
11268209	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 110	HIA	1	1.4
11268210	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 111	HIA	1	0.7
11268211	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 114	HIA	1	< 0.3
11268212	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 116	HIA	1	0.7
11268213	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 116	HIA	1	< 0.3
11268214	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 117	HIA	1	1.0
11268215	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 119	HIA	1	< 0.3
11268216	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 121	HIA	1	< 0.3
11268217	2022-11-14	8:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 122	HIA	1	1.1

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Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
11268218	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 143	HIA	1	0.9
11268219	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	OFFICE 142	HIA	1	0.7
11268220	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 140	HIA	1	1.3
11268221	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 138	HIA	1	1.0
11268222	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 137	HIA	1	1.0
11268223	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 135	HIA	1	0.7
11268224	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 131	HIA	1	0.5
11268225	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 130	HIA	1	1.0
11268226	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 129	HIA	1	< 0.3
11268227	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 218	HIA	2	< 0.3
11268228	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 218	HIA	2	< 0.3
11268229	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	CLASSROOM 273	HIA	2	< 0.3
11268230	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	STAFF 284	HIA	2	< 0.3
11268231	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	ROOM A	HIA	2	< 0.3
11268232	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	ROOM B	HIA	2	< 0.3
11268233	2022-11-14	9:00 am	2022-11-17	4:00 pm	70	MPS HMONG INTERNATIONAL	MPS HMONG INTERNATIONAL	ROOM C	HIA	2	< 0.3



# DIAGRAM #2 - RADON SAMPLE LOCATIONS



SECOND FLOOR PLAN



**Environmental Health & Safety**

Office: (612) 668-0310

Direct: (612) 668-0306

**Andrew Tinklenberg**

**Safety Specialist**

**Environmental Health & Safety**

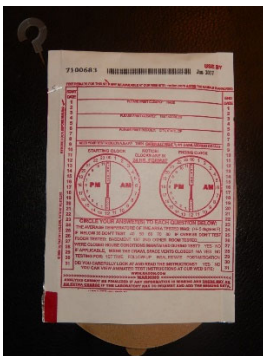
**RADON TESTING NOTIFICATION (2022)**

**Hmong International Academy**

The District will be conducting short-term radon testing at Hmong International Academy. Radon is a naturally occurring radioactive gas that is created from the breakdown of Radium that is naturally present in soil. Radon can enter buildings from the soil through gaps, cracks and holes in the foundation. Radon testing is performed periodically and is being performed based on Minnesota Department of Health recommendations and protocols. As per the recommendations, frequently occupied, ground level or ground contact areas will be the focus of the testing. Sampling locations will be selected that provide the best representation of these areas.

If your room is selected for testing, please do your part by ensuring that the devices are not removed or tampered with in any way. The devices are small, rectangular envelopes, approximately 4 by 6 inches and will typically be hung from the ceiling or an interior wall. The short-term radon detectors are planned to be placed and collected November 14 – 17, 2022. When available, sample results will be shared with your principal and placed on the EH&S webpage available through the main MPS website.

An example of the detector is pictured below:



Thank you very much for your cooperation. If you have questions, please contact me at 612-668-0306 or [andrew.tinklenberg@mpls.k12.mn.us](mailto:andrew.tinklenberg@mpls.k12.mn.us)

## Notice of Inspection - Radon Survey in Progress

An important step is being taken to ensure a safe and healthy building. Testing for radon is recommended for all homes and schools.

Radon is a naturally occurring radioactive gas that can be present in some buildings are concentrations greater than recommended. In the United States, radon exposure is the second leading cause of lung cancer and it is the leading cause of lung cancer in nonsmokers.

### Radon testing is scheduled for:

Building(s): Hmong International Academy

Building Area(s): Throughout

Test Start Date: 11/14/22

Test End Date: 11/17/22

Access into your unit/room is:       required     not required

PLEASE START THE FOLLOWING BY:

#### Please help to maintain the following required test conditions:

- **Windows and Doors** need to be kept closed (aside from momentary entry and exit) on all levels of the building including areas not being tested,
- **Heating and cooling systems** need to set to normal temperatures (65-80°F),
- **Bathroom fans** should operate normally,
- Do not operate wood-burning or natural gas **fireplaces**,
- **Energy recovery ventilators (ERV) or heat recovery ventilators (HRV)** should be set to the lowest level they are used at through the year, and
- Avoid excessive operation of **exhaust systems** that draw air from laundries, workshops, community kitchens.

### For inquiries or reporting concerns:

Contact Person: Andrew Tinklenberg

Phone: 612-668-0306

Visit [mn.gov/radon](https://mn.gov/radon) for more information about radon



## Authorizations and Lines of Communications

Please complete the following to help us clarify lines of communication and responsibilities.

### Staff authorized to respond to occupant and public inquiries:

Title/Name: Lee Setter Phone: 612-668-0310 Email: lee.setter@mpls.k12.mn.us

Title/Name: Phone: Email:

### Person(s) authorized to receive report data and any incremental reports:

Title/Name: Lee Setter Phone: 612-668-0310 Email: lee.setter@mpls.k12.mn.us

Title/Name: Andrew Tinklenberg Phone: 612-668-0306 Email: andrew.tinklenberg@mpls.k12.mn.us

**Frequency of reports:** Prior to testing After each phase of testing When testing is complete

### Client & Facilitating Staff Contact Information

Client/Authorized Agent: Lee Setter Phone: 612-668-0310 Email: lee.setter@mpls.k12.mn.us

Onsite Supervisor: Andrew Tinklenberg Phone: 612-668-0306 Email: andrew.tinklenberg@mpls.k12.mn.us

Building Access: Andrew Tinklenberg Phone: 612-668-0306 Email: andrew.tinklenberg@mpls.k12.mn.us

HVAC Operations: Jason Kohlen Phone: 612-668-0338 Email: Jason.kohlen@mpls.k12.mn.us

Other Contacts (Title/Name): Phone: Email:

### Radon Testing Professional Contact Information:

Scheduling/Logistics: Andrew Tinklenberg Phone: 612-668-0306 Email: andrew.tinklenberg@mpls.k12.mn.us

On-site Professional: Andrew Tinklenberg Phone: 612-668-0306 Email: [andrew.tinklenberg@mpls.k12.mn.us](mailto:andrew.tinklenberg@mpls.k12.mn.us)

Licensed Field Technician: Andrew Tinklenberg Phone: 612-668-0306 Email: [andrew.tinklenberg@mpls.k12.mn.us](mailto:andrew.tinklenberg@mpls.k12.mn.us)

Licensed Field Technician: Phone: Email:

# Client Commitment to Compliance

By signing below, I am committing to help ensure that building conditions required to achieve reliable radon tests are met.

## Management

Help Onsite Supervisors and Building Operations Staff maintain closed-building conditions and meet the requirements list above.

Name: Andrew Tinklenberg@mpls.k12.mn.us


Signature: 

Date: 11/14/22

## Onsite Supervisor

To help ensure reliable radon tests, the onsite supervisor will:

- **Prior Notification:** distribute notices to all building occupants no later than the day before testing. Notices must be given to all occupants regardless if their unit/room is being tested and posted in publicly accessible areas such as corridors, elevators, and offices.
- **Access:** provide access to each test location within the building on the same day for the event of placing test devices and a second event for retrieving test devices.
- Name: Andrew Tinklenberg@mpls.k12.mn.us


Signature: 

Date: 11/14/22

## Building Operations Staff

To help ensure reliable radon tests, Building Operations Staff will:

- **Building Preparation:** no later than 12 hours prior to the start of the test, review each building scheduled for testing for compliance with closed-building requirements.
- **Compliance Verification:** verify closed-building conditions and ensure that any repairs or adjustments that impact these conditions are completed 12 hours prior to the start of the test. Initial when verified.
- Name: Andrew Tinklenberg@mpls.k12.mn.us

Signature: 

Date: 11/14/22

Building Address: 1501 30<sup>th</sup> Ave. N., Mpls., MN

Date Completed: 11/14/22 Initials: AJT

CLIENT COMMITMENT TO COMPLIANCE

<b>Actions Required at Least 12 hours prior to test and throughout</b>	
<b>Windows</b>	Close or seal on all levels of the building, including areas not being tested  Exception: <b>Do not</b> close openings to outside to outside air designed to provide air needed for combustion appliances.
<b>External doors</b> (except for normal entry or exit)	
<b>Other openings to the exterior</b> (as a result of disrepair, incomplete construction or structural defect)	
<b>Heating &amp; Cooling Systems</b>	Set to normal occupied temperatures: 65° - 80°F (Maintenance inspection of systems are recommended prior to testing)
<b>Variable Outdoor Air Ventilation Systems</b> (if applicable)  Systems such as manually operated dampers, energy economizer systems, energy recovery ventilators (ERV), or heat recovery ventilators (HRV) that seasonally vary outdoor air ventilation for energy savings or comfort	Close outside air inlet dampers or set to minimum outdoor air intake settings that apply at all times of the year when a building is significantly occupied
<b>Window Air Conditioners</b>	Dampers to outside air shall be closed
<b>Variable Air Volume (VAV) Systems</b> (if applicable)  Systems that temper room temperature using thermostats to vary the volume of heated or cooled air coming into rooms	Set all thermostats to between 65° - 80°F in all rooms that are served by the system
<b>Return-Air Ducts laid in Soil</b> (if applicable)  Return-air ductwork is located under a slab, or otherwise laid in soil.	<b>All testing company immediately</b>
<b>Heating, ventilation, and air conditioning (HVAC) setback in non-residential locations</b>  If non-residential rooms are operating with HVAC setback temperatures during nights or weekends that are outside of normal occupied temperatures of 65° - 80°F	Alter to retain temperatures within range of 65° - 80°F  <b>Or contact the testing company</b>



## HIA Test Condition Summary

November 14-17, 2022 – Minneapolis, MN (Climate Zone 6)

	Annually	During Testing
<b>Outdoor Temperatures</b>	Average = 46° F	Max. = 32° F Min. = 21° F Average = 28° F
<b>Operating Conditions (Heating/Cooling)</b>	Heating – 50% Cooling – 25% Mixed – 25%	Heating – 100% Cooling – 0% Mixed – 0%
<b>Air Distribution Systems</b>	Intermittent during summer	Active

\* - Note: Snowfall was recorded throughout the testing period.

### Informative Advisories

1. Fluctuations in radon concentrations are usually caused by either:
  - changes in the strength of indoor air pressures that draw soil gas into a building; or
  - changes in the volume of outside air entering a building.
2. Clear characterization of a radon hazard is more likely to occur when:
  - Outdoor temperatures extend below 65°F (18°C), at least intermittently, which causes natural indoor air pressures that draw radon laden soil gas into a building; and
  - Heating or cooling distribution fans are at least intermittently active during a test.
3. Measurements more likely to reflect an occupant’s exposure to radon are measurements conducted under conditions that most closely align to the building operating conditions that prevail during the greatest amount of time each year.

\* - Above advisory information is taken from page 31 of the ANSI/AARST Standard, “Protocols for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings, 2014 with 1/21.” Additional advisory notes/information will be added when necessary. Weather information was collected from [timeanddate.com/weather/usa/minneapolis](http://timeanddate.com/weather/usa/minneapolis).

## ANSI/AARST ADVISORY STATEMENTS

### 8-A Reporting Low Radon Concentrations

Consider fixing the building if test results indicate radon concentrations greater than half the action level, (e.g., between 2 and 4 pCi/L). Responsible care requires repeating initial testing procedures for all building(s) at least every 5 years and in conjunction with any sale of a building. Radon testing should also be conducted when any of the following circumstances occur:

- a new addition is constructed or alterations for building reconfiguration or rehabilitation occur;
- a ground contact area not previously tested is occupied, or a building is newly occupied;
- heating or cooling systems are significantly altered, resulting in changes to air pressures or pressure relationships;
- ventilation is significantly altered by extensive weatherization, changes to mechanical systems or comparable procedures;
- significant openings to soil occur due to:
  - groundwater or slab surface water control systems that are altered or added (e.g., sumps, perimeter drain tile, shower/tub retrofits, etc.) or,
  - natural settlement causing major cracks to develop;
- earthquakes or construction blasting, fracking or formation of sink holes nearby; or
- a mitigation system is altered, modified or repaired.

Should testing indicate concentrations that meet or exceed the action level, conduct evaluations, corrections and further testing until radon concentrations have been mitigated to below the action level.

### Table 8-B Reporting Elevated Radon Concentrations

Fix the building. Test results indicate occupants may be exposed to radon concentrations that meet or exceed the action level. Efforts to reduce radon concentrations are not complete until retests provide evidence of effectiveness. The initial retest should be conducted within 30 days after mitigation efforts and system installations.

Post-mitigation clearance testing to confirm each building is fixed requires testing all buildings that demonstrated elevated radon concentrations:

- 1) in all ground-contact rooms and dwellings,
- 2) in not less than 10% of non-residential rooms and dwellings on each upper floor.

Should testing indicate concentrations that meet or exceed the action level, conduct evaluations, corrections and further testing until radon concentrations have been mitigated to below the action level.

\* - Above advisory information is taken from page 28-29 of the ANSI/AARST Standard, "Protocols for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings, 2014 with 1/21 Revisions." Additional advisory notes/information will be added when necessary.