



Date: 11/25/24

Performed by: Andrew Tinklenberg

Location: Northeast Middle School – 1830 St. Anthony Parkway, Minneapolis, MN 55418

RE: Radon Testing

INTRODUCTION

From November 18 – 21, 2024, radon testing was performed within Northeast Middle School located at 1830 St. Anthony Parkway, 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 Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings (MA-MFLB 2023) 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. (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, 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,

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Andrew Tinklenberg MDH RMEA-00426 NRPP ID# 111389 RMP



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Attachments

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

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Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
11389132	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 18	NORTHEAST MIDDLE	0	0.8
11389133	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 17	NORTHEAST MIDDLE	0	0.6
11389134	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 10	NORTHEAST MIDDLE	0	0.7
11389135	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE 11	NORTHEAST MIDDLE	0	0.8
11389136	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 16	NORTHEAST MIDDLE	0	0.8
11389137	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 15	NORTHEAST MIDDLE	0	0.8
11389138	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 12	NORTHEAST MIDDLE	0	< 0.3
11389139	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 13	NORTHEAST MIDDLE	0	0.9
11389140	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 13	NORTHEAST MIDDLE	0	0.9
11389141	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM 14	NORTHEAST MIDDLE	0	0.6
11389142	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	MEDIA 101C	NORTHEAST MIDDLE	1	< 0.3
11389143	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE 101B	NORTHEAST MIDDLE	1	0.7
11389144	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE 102A	NORTHEAST MIDDLE	1	0.6
11389145	2024-11-18	7:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE 102B	NORTHEAST MIDDLE	1	< 0.3
11389146	2024-11-18	8:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	HEALTH OFFICE	NORTHEAST MIDDLE	1	0.6
11389147	2024-11-18	8:00 am	2024-11-21	2:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE 111	NORTHEAST MIDDLE	1	0.5
11389148	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CAFETERIA	NORTHEAST MIDDLE	1	0.6
11389149	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CAFETERIA	NORTHEAST MIDDLE	1	0.5
11389150	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	KITCHEN OFFICE	NORTHEAST MIDDLE	1	0.5
11389151	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B116	NORTHEAST MIDDLE	1	< 0.3
11389152	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B116	NORTHEAST MIDDLE	1	< 0.3
11389153	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B115	NORTHEAST MIDDLE	1	< 0.3
11389154	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B114	NORTHEAST MIDDLE	1	0.7
11389155	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE B123	NORTHEAST MIDDLE	1	0.5
11389156	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE B113	NORTHEAST MIDDLE	1	0.6
11389157	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	FCRC OFFICE	NORTHEAST MIDDLE	1	< 0.3
11389158	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	FCRC OFFICE B111B	NORTHEAST MIDDLE	1	0.9
11389159	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	FCRC OFFICE LAB	NORTHEAST MIDDLE	1	0.9
11389160	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	FCRC OFFICE B	NORTHEAST MIDDLE	1	< 0.3
11389161	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	FCRC OFFICE D	NORTHEAST MIDDLE	1	0.6
11389162	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B110	NORTHEAST MIDDLE	1	< 0.3
11389163	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B110	NORTHEAST MIDDLE	1	< 0.3
11389164	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B110B	NORTHEAST MIDDLE	1	< 0.3
11389165	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CUSTODIANS OFFICE	NORTHEAST MIDDLE	1	< 0.3
11389166	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	SHOP B109	NORTHEAST MIDDLE	1	0.6

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11389168 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B107B NORTHEAST MIDDLE 1 0.5 11389170 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B106 NORTHEAST MIDDLE 1 0.5 11389171 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B106 NORTHEAST MIDDLE 1 0.5 11389173 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B106 NORTHEAST MIDDLE 1 0.5 11389174 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B104 NORTHEAST MIDDLE 1 0.5 11389175 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYM B108 NORTHEAST MIDDLE 1 0.5 11389176 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYM B108 NORTHEAST MIDDLE 1 0.5 11389177 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYM B108 NORTHEAST MIDDLE 1 0.5 11389177 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYFICE B119E NORTHEAST MIDDLE 1 0.5 11389177 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYFICE B119E NORTHEAST MIDDLE 2 0.5 11389179 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 0.5 11389180 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 2 0.5 11389181 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 2 0.5 11389181 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389182 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS	Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
11389169	11389167	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE B108	NORTHEAST MIDDLE	1	< 0.3
11389170 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B105 NORTHEAST MIDDLE 1 < 0.00 mps NORTHEAST MPS NORTHEAST OFFICE B105 NORTHEAST MIDDLE 1 < 0.00 mps NORTHEAST MPS NORTHEAST MPS NORTHEAST OFFICE B105 NORTHEAST MIDDLE 1 < 0.00 mps NORTHEAST MPS NORTHEAST MPS NORTHEAST CLASSROOM B104 NORTHEAST MIDDLE 1 < 0.00 mps NORTHEAST MPS NORTHEAST MPS NORTHEAST CLASSROOM B104 NORTHEAST MIDDLE 1 < 0.00 mps NORTHEAST MPS NORTHEAST MPS NORTHEAST CLASSROOM B104 NORTHEAST MIDDLE 1 < 0.00 mps NORTHEAST MPS NORTH	11389168	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B107B	NORTHEAST MIDDLE	1	0.6
11389171 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B105 NORTHEAST MIDDLE 1 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B104 NORTHEAST MIDDLE 1 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B103 NORTHEAST MIDDLE 1 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B103 NORTHEAST MIDDLE 1 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYM B120B NORTHEAST MIDDLE 1 0.500 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B119E NORTHEAST MIDDLE 1 0.600 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B119E NORTHEAST MIDDLE 1 1.200 cm 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST AUDITORIUM B225 NORTHEAST MIDDLE 2 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 2 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 2 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 <0.000 cm 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 <0.000 cm 2	11389169	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B107A	NORTHEAST MIDDLE	1	0.5
11389172 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B104 NORTHEAST MIDDLE 1 < 0.5 11389173 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM B103 NORTHEAST MIDDLE 1 < 0.5 11389174 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYM B120B NORTHEAST MIDDLE 1 0.5 11389175 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B119E NORTHEAST MIDDLE 1 0.6 11389176 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B118E NORTHEAST MIDDLE 1 1.2 11389177 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST AUDITORIUM B225 NORTHEAST MIDDLE 2 < 0.5 11389178 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 < 0.5 11389180 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 0.5 11389181 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.5 11389182 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6	11389170	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B106	NORTHEAST MIDDLE	1	< 0.3
11389173 2024-11-18 8:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST GYM B120B NORTHEAST MIDDLE 1 0.5 11389174 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B119E NORTHEAST MIDDLE 1 0.6 11389175 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B119E NORTHEAST MIDDLE 1 1.2 11389176 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B118E NORTHEAST MIDDLE 1 1.2 11389177 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST AUDITORIUM B225 NORTHEAST MIDDLE 2 <0.3 11389178 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 <0.3 11389180 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 2 0.5 11389181 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389182 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 0.6	11389171	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	OFFICE B105	NORTHEAST MIDDLE	1	< 0.3
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11389175 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B119E NORTHEAST MIDDLE 1 0.6 11389176 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST OFFICE B118E NORTHEAST MIDDLE 1 1.2 11389177 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST AUDITORIUM B225 NORTHEAST MIDDLE 2 < 0.6 11389178 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 < 0.6 11389179 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 210 NORTHEAST MIDDLE 2 0.5 11389180 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.5 11389181 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389182 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST CLASSROOM 302 NORTHEAST MIDDLE 3 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 < 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM A NORTHEAST MIDDLE 3 < 0.6 11389183 2024-11-18 9:00 am 2024-11-21 3:00 pm 70 MPS NORTHEAST MPS NORTHEAST ROOM B NORTHEAST MIDDLE 3 < 0.6	11389173	2024-11-18	8:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	CLASSROOM B103	NORTHEAST MIDDLE	1	< 0.3
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	11389182	2024-11-18	9:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	ROOM A	NORTHEAST MIDDLE	3	< 0.3
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11369164 2024-11-16 9:00 aiii 2024-11-21 3:00 piii /0 MFS NORTHEAST MPS NORTHEAST ROOM C NORTHEAST MIDDLE 3 < 0	11389184	2024-11-18	9:00 am	2024-11-21	3:00 pm	70	MPS NORTHEAST	MPS NORTHEAST	ROOM C	NORTHEAST MIDDLE	3	< 0.3

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498



Environmental Health & Safety

Office: (612) 668-0310 Direct: (612) 668-0306 Andrew Tinklenberg Safety Specialist Environmental Health & Safety

RADON TESTING NOTIFICATION (2024)

Northeast Middle School

The District will be conducting short-term radon testing at Northeast Middle School. 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 18 – 21, 2024. 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



Notice of Inspection for Facilitating Staff

A radon test is scheduled for:

Building:	
Test Start Date:	Test End Date:

Please help to maintain the required test conditions throughout the building:

- 1. All windows and exterior doors must be kept closed (aside for momentary entry or exit) for 12 hours before and during the test.
- 2. Heating and cooling systems must be set to normal occupied operating temperatures.
- 3. Test devices are not to be disturbed.

Further guidance on required building conditions are found on the next page.

Test kits are not dangerous in any way. The type of devices used for this testing may include:

- **Short-term test kits**: It's important these devices are fully open and not covered. They will be analyzed by a laboratory.
- **Continuous radon monitors**: These are electronic monitors that record hourly radon readings.
- Long-term test kits: It is important that these devices are not covered. They will be analyzed by a laboratory.

Declaration of Observed Compliance:

Failure to reasonably maintain test conditions can lead to unnecessary expense, disruptions, and unreliable data. Disturbing test devices can also cause unreliable or invalid test results.

- Please report in a timely manner if required test conditions are not maintained.
- Please sign and return this form once the rest is complete.

To the best of my knowledge, the required conditions were maintained during the test.

Yes	No	
Name:	·	
Signati	ure: Al-	Date:

NOTICE OF INSPECTION FOR FACILITATING STAFF

Required Closed Building Conditions for Radon Testing

Building Component	Action Required
Windows	Keep Closed, Seal broken windows closed
External doors (except for normal entry or exit)	Keep Closed
Heating & Cooling Systems	Set to normal operating conditions
Bathroom fans	Operate normally
Fireplaces (including gas)	Do not operate
Auxiliary or temporary systems that bring air into the building	Do not operate, unless an integral part of HVAC or supplies make-up air for combustion appliances
Exhaust systems (ex. from shops, laundries, kitchens)	Avoid excessive operation
Interior doors, Stairwells, Fire Doors	Operate Normally
Garage doors	Operate normally
Ceiling Fans, Portable Fans	Do not blow directly on the test device
Window AC Units	Operate in recirculation mode only
Window Fans	Do not operate. Seal shut or remove.
Humidifiers, Dehumidifiers, Portable Air Cleaners	Operate Normally
Central Vacuum Cleaner Systems	Operate Normally
Passive crawl space vents	Operate normally
Crawlspace exhaust systems for humidity control	Operate normally
Passive Vents for Combustion Make-Up Air	Leave Open

NOTICE OF INSPECTION FOR FACILITATING STAFF

Building Component	Action Required
Combustion Appliance Vents	Operate Normally
Passive Solar Systems	Operate Normally
Attic Vent Fans	Operate Normally
Evaporative Cooling Systems	Do not operate

Radon Test Device Placement Requirements

Place detectors within the general breathing zone. Locate detectors no less than:

- 3 feet from exterior doors, windows, other openings to outdoors,
- 20 inches above the floor,
- · 4 inches from other test devices and objects, and
- 1 foot from ceilings.

Place detectors where they are not easily disturbed.

Place detectors where they are not influenced by other factors:

- Do not place in closets, crawlspaces, cupboards, sumps, or nooks within building foundation,
- Do not place devices in areas with high air movement (ex. mechanical areas, furnace closets),
- Do not place devices in areas with high humidity (ex. kitchens, bathrooms, laundry rooms),
- Do not place devices near drafts from HVAC systems or fans,
- Do not place test devices near heat sources (ex. appliances, radiators, fireplaces, direct sun), and
- Do not place detectors on devices that produce radiation (ex. natural stone counters, pool tables, rock collections)

For more information regarding on-site activities, contact:

Licensed measurement p	professional:	

Minnesota Department of Health, Indoor Air Unit, PO Box 64975, St. Paul, MN 55164 651-201-4601, health.indoorair@state.mn.us, mn.gov/radon

8/17/2023, To obtain this information in a different format, call: 651-201-4601.



Notice of Inspection for Building Occupants

A radon test is scheduled for:

Building:		
Test Start Date:	Test End Date:	

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 at 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.

Please help to maintain the required test conditions throughout the building.

- 1. All windows and exterior doors must be kept closed (aside from momentary entry or exit) for 12 hours before and during the test.
- 2. Heating and cooling systems must be set to normal occupied operating temperatures.
- 3. Test devices are not to be disturbed.

The test devices are not dangerous in any way and a sample device is available to view upon request.

More information about radon in Minnesota can be found online at mn.gov/radon.

If you have any questions or concerns, please contact:



Client Authorizations & Communications

Client and Facilitating Staff Memb	er Contact Information
Client/Authorized Agent	phone
Onsite Supervisor	phone
Building/Dwelling Access	phone
HVAC Operations	phone
Other Contact/Title	phone
Radon Testing Professional Conta	ct Information
Scheduling/Logistics	phone
Onsite Supervisor	phone
Field Technician	phone
Field Technician	phone
Staff authorized for responding to	occupant and public inquiries:
Name/Title	phone
Name/Title	phone
Person(s) authorized to receive re	port data and incremental reports:
Name/Title	phone
Name/Title	phone
Frequency of Reports	
	se of testing when testing is complete

Minnesota Department of Health | Indoor Air Unit | PO Box 64975 | St. Paul, MN 55164 | 651-201-4601 health.indoorair@state.mn.us | www.health.state.mn.us | mngov/radon

08/17/2023 | To obtain this information in a different format, call: 651-201-4601.



Client Commitment to Compliance

Management Commitment:

To the extent reasonably possible, I, on behalf ofhelping ensure that building conditions required to achieve reliable radon to	
Client/Authorized Agent:	
Signature: Man Signature:	Date:
Building On-Site Supervisor Commitment:	
To the extent reasonably possible, I commit to helping ensure that building reliable radon tests are met, as portrayed herein, by accepting the followin	•
 Prior Notifications: Notices will be distributed to all tested and non- publicly accessible areas in a timely manner. 	-tested dwellings and posted in
 Access: Access will be provided to each location being tested within locations on the same day for both the event of placing testing devi retrieving test devices. 	_
On-Site Supervisor:	
Signature: Signature:	Date:
Building Operations Staff Commitment:	
To the extent reasonably possible, I commit to helping ensure that building reliable radon tests are met, as portrayed herein, by accepting the followin	•
 Building Preparation: I accept responsibility that, no later than 12 h scheduled for testing will be reviewed for compliance with closed-b 	
 Compliance Verification: I accept responsibility for taking actions the HVAC units and repairs where completion is required no later than 	
HVAC Operations Supervisor:	
Signature:	Date:

Minnesota Department of Health, Indoor Air Unit, PO Box 64975, St. Paul, MN 55164 651-201-4601, health.indoorair@state.mn.us, mn.gov/radon



Northeast Middle Test Condition Summary

November 18-21, 2024 – Minneapolis, MN (Climate Zone 6)

	Annually	During the Test
Outdoor Temperatures	Average = 46° F	Max. = 55° F
		Min. = 27° F
		Average = 40° F
Prevailing Operating Condition	Heating – 50%	Heating – 100%
(Heating/Cooling)	Cooling – 25%	Cooling – 0%
	Mixed – 25%	Mixed – 0%
Air Distribution Systems	Intermittent during summer	Active

^{* -} Note: Rain was recorded during the early part of the testing period and light snowfall was recorded during the latter part of the testing period. Winds were moderate.

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 33 of the ANSI/AARST MA-MFLB-2023 Standard, "Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings." Additional advisory notes/information will be added when necessary. Weather information was collected from timeanddate.com/weather/usa/minneapolis.

ANSI/AARST ADVISORY STATEMENTS

Table 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:
 - o groundwater or slab surface water control systems that are altered or added (e.g., sumps, perimeter drain tile, shower/tub retrofits, etc.) or,
 - o 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 pages 29-30 of the ANSI/AARST MA-MFLB-2023 Standard, "Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings." Additional advisory notes/information will be added when necessary.