Providing Trusted
Health and Safety Solutions

RE: 2025-2026 Radon Testing
Kennedy | Pinecrest | Tilden

Dear School Board Members:

As part of the commitment for safety of our students and staff, Hastings Public Schools has completed radon testing at the following buildings during the 2025-2026 school year:

- Kennedy Elementary School
- Pinecrest Elementary School
- Tilden Community Center

Purpose of the Testing

Radon is a naturally occurring radioactive gas that can enter buildings through subsurface pathways. Long-term exposure to elevated concentrations is associated with an increased risk of lung cancer. Testing is the sole method for determining radon levels in a building. Although Minnesota does not require radon testing in schools, the Minnesota Department of Health (MDH) recommends testing every five years, and Hastings Public Schools voluntarily conducts this testing as part of the district's health and safety program.

Summary of Results

Following the completion of short-term radon testing in February 2026, three (3) locations at Kennedy Elementary School and two (2) locations at Pinecrest Elementary School tested above MDH's action level of 4 picocuries per liter (pCi/L). These locations are listed below:

- Kennedy Elementary School – Kitchen Office
- Kennedy Elementary School – Stage
- Kennedy Elementary School – Curriculum Center Classroom
- Pinecrest Elementary School – Gym Office
- Pinecrest Elementary School – Cot Room

In response, Hastings Public Schools conducted continuous radon monitoring in these locations. Results showed that radon concentrations are below MDH's action level during occupied hours in four (4) of these locations. The Curriculum Center Classroom at Kennedy Elementary had an average concentration above 4 pCi/L during occupied hours. To remediate, maintenance staff are adjusting the HVAC system to increase air flow and decrease radon concentrations in the room. The Curriculum Center Classroom will then be retested again during the heating season (November 1 to March 30), as recommended by MDH.

BROOKLYN PARK
9201 West Broadway, Ste. #600
Brooklyn Park, MN 55445
763-315-7900 / 800-233-9513

MANKATO
610 North Riverfront Drive
Mankato, MN 56001
507-345-8818 / 800-233-9513

ROCHESTER
210 Woodlake Drive SE
Rochester, MN 55904
507-281-6664 ' 800-233-9513

BRAINERD
601 NW 5th Street, Ste. #4
Brainerd, MN 56401
218-302-3787 / 800-233-9513

MARSHALL
1510 Stadium Drive, Ste. #2
Marshall, MN 56258
800-233-9513

VIRGINIA
5525 Emerald Avenue
Mountain Iron, MN 55768
218-302-3787 / 800-233-9513

All measurements were performed by licensed Radon Measurement Professionals in accordance with MDH's *Guidance for Radon Testing in Minnesota Schools* (2024) and ANSI/AARST MA-MFLB 2023 Standard *'Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, Schools and Commercial and Multi-Use Buildings'*, the nationally recognized radon testing protocol required to be used for radon testing in Minnesota.

Buildings included in this round of testing are planned to be tested again in 5 years, as recommended by MDH. The remaining buildings in the district are planned to be tested during the 2026-2027 or 2027-2028 school year.

Final reports for both short-term and continuous radon monitoring are attached. Should you have any questions, please contact Scott Stockdale at sstockdale@isd200.org of Hastings Public Schools or Faith Breeden of IEA at faith.breeden@ieasafety.com.

Sincerely,

IEA, Inc.

Faith Breeden, ASP
EHS Account Manager

Enc.

March 11, 2026

Providing Trusted
Health and Safety Solutions

Scott Stockdale
Hastings Public Schools
1000 11th Street West
Hastings, MN 55033

RE: Kennedy & Pinecrest Elementary and Tilden Community Center
2025-2026 Short-Term Radon Testing Results
IEA Project #202510984

Dear Mr. Stockdale:

The Institute for Environmental Assessment, Inc. (IEA) placed 172 Air Chek Pro Chek short-term radon test kits in 149 locations in the following buildings for the purpose of evaluating radon levels:

- Kennedy Elementary & Curriculum Center .....54 locations
- Pinecrest Elementary .....57 locations
- Tilden Community Center .....38 locations

The number of kits placed includes those used for quality control purposes. See Appendix A for Quality Control information.

The radon test kits were placed by the following Minnesota Department of Health (MDH) licensed Radon Measurement Professional(s):

Measurement Professional	License Number	Signature
Grant Gervais	RMEA-00627	
Sashya Wandmaker	RMEA-00470	

INTRODUCTION

Radon is a colorless, odorless, tasteless, radioactive gas that occurs naturally in soil, rocks, and underground water supplies and in the ambient air. According to the U.S. Environmental Protection Agency (EPA) and other scientific organizations, naturally occurring radon gas has been associated with an increased risk of developing lung cancer. The chances of developing lung cancer from radon exposure are dependent on several factors, including individual susceptibility and, perhaps more importantly, the dose and duration of exposure. Radon testing is highly recommended by the Minnesota Department of Health (MDH) and EPA.

METHODOLOGY

IEA placed Air Chek Pro Chek short-term radon test kits in frequently-occupied areas in the buildings listed above at Hastings Public Schools, for the purpose of sampling for radon in accordance with the MDH's *Guidance for Radon Testing in Minnesota Schools* (2024) or successor and ANSI/AARST MA-MFLB *'Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, Schools and Commercial and Multi-Use Buildings'* (ANSI/AARST MA-MFLB 2023) or successor ANSI/AARST standards using the extended testing protocol.

A total of 172 radon test kits were placed from February 23-26, 2026, for a total short-term sampling period of 3 days. The radon test kits were analyzed by AirChek, Inc., MDH license #RL-00003, located at 1936 Butler Bridge Road, Mills River, NC 28759. The Analysis Methodologies are provided in Appendix A.

Air intakes and ventilation systems were operating in normal condition at the time of placement and retrieval. IEA was informed that the HVAC was on a normal operating schedule during the testing period.

IEA followed ANSI/AARST MA-MFLB 2023 or successor ANSI/AARST standards for quality assurance measurements by including duplicate kits, control kits (blanks), and spiked kits.

Client communications and commitments were delivered to the client and are located in Appendix C:
- Client Commitments, Advisories and Authorizations
- Facilitating Staff Commitments

Occupant notices were sent to the client for distribution on February 11, 2026.

EVALUATION CRITERIA

The MDH and the EPA have established a recommended action level for intended to be occupied areas of 4.0 picocuries per liter (pCi/L) for an annual average. Testing was conducted during typical days when the building is significantly occupied. The HVAC system was set on a normal occupied operating schedule. Testing was conducted during the heating season when the average outdoor temperature is less than 65°F, as recommended by the MDH, when the ventilation system was operating normally, and windows and doors were closed. Consequently, sampling under these "closed" conditions is when the radon risk is most likely to occur.

MDH recommends follow-up testing for sampling results that are above the action level. Please refer to the following table for MDH guidelines when the extended testing protocol is used:

RESULTS (pCi/L)	RECOMMENDED ACTION
LESS THAN 4	Re-test after changes to foundation or HVAC and every 5 years
GREATER THAN OR EQUAL TO 4	Conduct CRM short-term testing during winter months
LESS THAN 4 (DURING OCCUPANCY) AFTER CRM TESTING	Repeat CRM testing if not conducted during winter or if conducted during abnormal ventilation. Otherwise consider re-testing after changes to foundation or HVAC and every 5 years
GREATER THAN OR EQUAL TO 4 (DURING OCCUPANCY) AFTER CRM TESTING	Reduce radon in rooms to less than 4 through radon mitigation. Conduct CRM testing to verify radon reduction.

CRM: Continuous Radon Monitor

RESULTS & DISCUSSION

The laboratory report and map of each building with sampling locations are provided in Appendix B. The following includes summary results for each building.

Kennedy Elementary & Curriculum Center
1175 Tyler Street, Hastings, MN 55033

A total of 62 test kits were placed in 54 locations at Kennedy Elementary and Curriculum Center.

The results indicated that radon levels for some locations tested in Kennedy Elementary and Curriculum Center were above the action level of 4 pCi/L. See Table 1 below for a summary of the results:

TABLE 1: KENNEDY ELEMENTARY AND CURRICULUM CENTER - RANGE OF RESULTS

	0.0 – 1.9 pCi/L	2.0 – 2.9 pCi/L	3.0 – 3.9 pCi/L	≥ 4 pCi/L
Number of Locations	24	23	4	3 [1]

[1] Kitchen Office, Stage, and Curriculum Center Classroom
pCi/L: picocuries per liter

Pinecrest Elementary
975 12th Street West, Hastings, MN 55033

A total of 66 test kits were placed in 57 locations at Pinecrest Elementary.

The results indicated that radon levels for some locations tested in Pinecrest Elementary were above the action level of 4 pCi/L. See Table 2 below for a summary of the results:

TABLE 2: PINECREST ELEMENTARY - RANGE OF RESULTS

	0.0 – 1.9 pCi/L	2.0 – 2.9 pCi/L	3.0 – 3.9 pCi/L	≥ 4 pCi/L
Number of Locations	40	12	3	2

[1] Gym Office and Cot Room
pCi/L: picocuries per liter

Tilden Community Center
310 River Street, Hastings, MN 55033

A total of 44 test kits were placed in 38 locations at Tilden Community Center.

The results indicated that radon levels for the locations tested in Tilden Community Center were below the action level of 4 pCi/L. See Table 3 below for a summary of the results:

TABLE 3: TILDEN COMMUNITY CENTER - RANGE OF RESULTS

	0.0 – 1.9 pCi/L	2.0 – 2.9 pCi/L	3.0 – 3.9 pCi/L	≥ 4 pCi/L
Number of Locations	34	4	0	0 [1]

[1] All below action level
pCi/L: picocuries per liter

CONCLUSIONS AND RECOMMENDATIONS

It is recommended by ANSI/AARST MA-MFLB 2023 or successor ANSI/AARST standards to consider taking action and address results of radon concentrations greater than half the action level (2-3.9 pCi/L).

The radon levels in 5 sample locations were at or above the EPA action level of 4 pCi/L. The test data is not yet fully adequate to make decisions whether to mitigate. Follow-up testing should be conducted for all sampling results above the action level within 30 days. Guidelines 1-4 should also be considered if test results indicate radon concentrations between 2-4 pCi/L during the first round of testing. If radon levels continue to indicate concentrations between 2-4, guideline 5 should be considered:

1. If the initial test results are greater than or equal to 4 pCi/L, conduct Continuous Radon Monitoring during the winter months.
2. If the average radon levels from the CRM are below 4 pCi/L **during occupancy**, then consider re-testing after changes to the building foundation or HVAC system and every 5 years.
3. If the average radon levels from the CRM are at or above 4 pCi/L **during occupancy**, then the building HVAC system settings (e.g., start time, night set-back temperature) should be adjusted to allow for improved airflow (and thereby reduce radon infiltration into the building). Follow-up CRM or short-term testing should be conducted to verify radon reduction in each occupied room within the mitigated HVAC zone and at least one measurement in each adjoining sector served by a different HVAC system. The operation of HVAC system should continue under adjusted settings to keep radon levels within an acceptable range. Documentation should be kept with HVAC operation instructions for the head custodian and the Director of Facilities and Safety to ensure that settings are maintained in the future.
4. If the follow-up average radon levels from the CRM are still at or above 4 pCi/L **during occupancy** (after the HVAC adjustments have been made), then the district should contact a professional radon mitigation contractor for assistance. IEA recommends using a contractor with experience specific to school buildings.
5. Mitigation is not complete until post mitigation clearance testing provides evidence of the initial status of system effectiveness. Post-mitigation clearance testing should be conducted no sooner than 24 hours after a mitigation system is operational and within 30 days after installation of the systems. The clearance testing must include all ground-contact rooms and not less than 10% of rooms on each upper floor. The test should be repeated as soon as possible, or within one year under conditions that reasonably represent:
    - Average building operating conditions exist that are normally present during the greatest amount of significantly occupied time.
    - Building operating conditions exist that are most likely to characterize a radon hazard.

The EPA has established recommended guidelines for permissible radon concentrations. The following are general recommendations for frequently occupied areas:

- The building should be retested at least every 5 years and in conjunction with any sale of the building.
- Ground contact rooms that were not tested because they were not occupied, should be tested if they become occupied in the future.

In addition, retesting should be conducted when any of the following circumstances occur:

- A new addition is constructed, or a significant renovation occurs.
- Heating or cooling systems are significantly altered, resulting in changes to air pressures or distribution.
- Ventilation is significantly altered by extensive weatherization, changes to mechanical systems, or comparable procedures.
- Significant openings to soil occur due to:
  - Ground water or slab surface water control systems (e.g., sumps, perimeter drain tile, shower/tub retrofits, etc.)
  - Natural settlement causing major cracks to develop
  - Earthquakes, construction blasting, or formation of sink holes nearby
  - A mitigation system is altered, modified, or repaired
- Rooms should be retested during the winter heating season (i.e., under "closed" conditions) which is typically "worst case" conditions.

Per Minnesota Statutes, section 123B.571, school districts are required to report radon test results at a school board meeting and report results to the MDH. IEA is able to assist with presenting results to the school board, and the MDH reporting. The MDH 'School Radon Testing Form' is located in Appendix E.

For more information regarding radon, see the EPA's A Citizen's Guide to Radon at http://www.epa.gov/radon. MDH can be contacted at health.indoorair@state.mn.us or 651-201-4601.

GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from radon sampling client-wide and are representative of the locations and time period sampled. 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 chain of custody for test devices is available upon request. It is the client's responsibility to identify and comply with local statutes regarding obligations that may exist for disclosing test results to occupants and affected third parties.

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 environmental, health and safety practices. Other than as provided in the preceding sentence and in our Proposal #13225 dated July 31, 2025, regarding radon sampling services at the client's locations, including the General Conditions attached thereto, no warranties are extended or made.

Should you require additional radon testing or have any questions regarding radon or any other environmental, health, or safety-related concerns, please do not hesitate to contact our office.

Sincerely,

IEA, Inc.

Faith Breeden, ASP
EHS Account Manager

Reviewed by:

Emma Squires-Sperling
Laboratory Director

FB/wb 031126

Enc.

Appendix A

Analysis Methodology and
Quality Control Measurements

Analysis Methodology

IEA placed Air Chek, Inc. Pro Chek activated charcoal radon test kits designed specifically for the detection of gamma emissions caused by the decay of Radon-222 and its daughter products. The kit is made of a padded envelope which contains activated charcoal. Upon pick-up, the kit is sealed with vinyl tape after 72 to 96 hours of indoor exposure. Individual kits are uniquely identified with a number and corresponding bar code.

Upon receipt at the analytical laboratory, the kits are logged in using the unique numbers assigned to each kit. The kits are placed on a gamma detector to count the gamma emissions from the decay of radon adsorbed by the charcoal. A calibration factor determined in part by the exposure time and decay time is used to calculate the radon concentration. A correction factor is also applied for weight gain from any moisture absorbed by the charcoal during the sampling period.

Any unusual conditions are noted on the processing form and shown on the exposure report.

MDH and ANSI/AARST MA-MFLB Quality Control Measurements

IEA followed ANSI/AARST MA-MFLB 2023 or successor ANSI/AARST standards and MDH recommendations for quality assurance measurements to ensure the accuracy of test results. Quality assurance measurements include side-by-side test kits (duplicates) and unexposed control test kits (blanks).

Duplicates are pairs of test kits placed 4-8 inches apart for the same test period. Duplicates are stored, placed, retrieved, and shipped to the laboratory for analysis in the same manner as the other test kits so that the laboratory cannot distinguish them. Since duplicates are placed side-by-side, the measured values for radon should be the same. In an environment with a radon concentration between 2 and 4 pCi/L, the average of all duplicates' relative percent difference (RPD) should not exceed 25%. In an environment with a radon concentration greater than or equal to 4 pCi/L, the average of all duplicates' relative percent difference (RPD) should not exceed 14%. If they do, an investigation to identify the cause may be warranted and could include repeating the measurements. Duplicate averages are listed in Table 1 below.

Table 1: Duplicate Device Measurements and Averages

Location	Test 1 (pCi/L)	Test 2 (pCi/L)	Average (pCi/L)	Difference	RPD (%)
Kennedy Elementary School					
101	3.2	2.6	2.9	0.6	21
108	1.1	1.2	1.2	0.1	9
120	1.9	2.2	2.1	0.3	15
136	1.5	1	1.3	0.5	40
141B	3.1	2.6	2.9	0.5	18
142	2	1.6	1.8	0.4	22
Pinecrest Elementary School					
16	2.7	2.4	2.6	0.3	12
21	1.3	0.8	1.1	0.5	48
35	1	1.3	1.2	0.3	26
40A	2.3	1.9	2.1	0.4	19
45	1.4	1.8	1.6	0.4	25
52	1.1	1.1	1.1	0.0	0
Custodial Office	0.7	1	0.9	0.3	35
Tilden Community Center					
108	< 0.3	< 0.3	< 0.3	0.0	0
116	< 0.3	< 0.3	< 0.3	0.0	0
119	1	1.2	1.1	0.2	18
169	1.7	1.2	1.5	0.5	34
Workroom	2.8	2.7	2.8	0.1	4

Duplicates averaging < 2.0 pCi/L reach the warning limit when there is a difference between the two results of more than 1pCi/L, but there is no control limit.

Duplicates averaging between 2.0 pCi/L and 3.9 pCi/L reach the warning limit when RPD is between 50-67% and reach the control limit when RPD exceeds 67%.

Blanks can be used to determine whether the manufacturing, shipping, storage, or processing of the detector has "contaminated" your measurements. Blanks are opened and immediately re-sealed to keep room air from infiltrating the test kit. Blanks are labeled and shipped in the same manner as the exposed test kits so that the laboratory cannot distinguish them. Since blanks are not exposed to radon, their measurement value should be below the lower limit of detection; lower limit of detection for Airchek is < 0.3pCi/L. Field blanks are listed in the laboratory report as FB<Room/Location Name>. Office blanks are listed in the laboratory report as OStorage Room A, OStorage Room B, etc. Lab-Transit Blanks are listed in Table 2 below.

Table 2: Blanks

Start Date	End Date	Start Time	End Time	Device ID	Type of Blank	Description	Radon Concentration (pCi/L)
2/23/2026	2/26/2026	2:00 PM	9:00 AM	12188722	Office	OStorage Room A	< 0.3
2/23/2026	2/26/2026	2:00 PM	9:00 AM	12184905	Office	OStorage Room B	< 0.3
12/13/2025	12/15/2025	1:13 PM	1:13 PM	12306326	Lab-Transit	LTBP-93	< 0.3
12/13/2025	12/15/2025	1:13 PM	1:13 PM	12306327	Lab-Transit	LTBP-94	< 0.3
12/13/2025	12/15/2025	1:13 PM	1:13 PM	12306328	Lab-Transit	LTBP-95	< 0.3
12/13/2025	12/15/2025	1:13 PM	1:13 PM	12306329	Lab-Transit	LTBP-96	< 0.3
12/13/2025	12/15/2025	1:13 PM	1:13 PM	12306330	Lab-Transit	LTBP-97	< 0.3
12/20/2025	12/22/2025	8:12 AM	8:12 AM	12306331	Lab-Transit	LTBP-98	< 0.3
Kennedy Elementary School							
2/23/2026	2/26/2026	9:00 AM	9:00 AM	12190259	Field	FBCustodial Office 1	< 0.3
2/23/2026	2/26/2026	9:00 AM	9:00 AM	12190260	Field	FBCustodial Office 2	< 0.3
Pinecrest Elementary School							
2/23/2026	2/26/2026	10:00 AM	9:00 AM	12306514	Field	FBCustodial Office 1	< 0.3
2/23/2026	2/26/2026	10:00 AM	10:00 AM	12306519	Field	FBCustodial Office 2	< 0.3
Tilden Community Center							
2/23/2026	2/26/2026	11:00 AM	11:00 AM	12306562	Field	FBCustodial Office 1	< 0.3

Spikes are test kits that have been exposed in a chamber to a known concentration of radon. Using spiked measurements can help evaluate the accuracy of a laboratory analysis and/or how accurately test kits supplied by a laboratory measure radon. Spiked test kits are labeled and shipped in the same manner as the exposed test kits so that the laboratory cannot distinguish them. Spiked results completed for our laboratory are included in the following pages. Spiked test kits are listed in Table 3 below.

Table 3: Spiked Detectors

Start Date	End Date	Start Time	End Time	Device ID	Measured Value (pCi/L)	Reference Value (pCi/L)	Relative Percent Error (RPE)
2026-02-06	2026-02-09	9:00 am	9:00 am	12184901	23.9	25.8	-7.4
2026-02-06	2026-02-09	9:00 am	9:00 am	12184902	26.7	25.8	3.5
2026-02-06	2026-02-09	9:00 am	9:00 am	12184904	26.8	25.8	3.9
2026-02-06	2026-02-09	9:00 am	9:00 am	12184911	26.6	25.8	3.1
2026-02-06	2026-02-09	9:00 am	9:00 am	12184936	25.5	25.8	-1.2
2026-02-06	2026-02-09	9:00 am	9:00 am	12184937	25.5	25.8	-1.2

Any spike result outside the RPE range of ± 30% has exceeded the control limit.

Appendix B

Laboratory Reports and Maps

March 3, 2026 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
KENNEDY CURRICULUM BUILDING

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12190135	CLASSROOM	2026-02-23 @ 7:00 am	2026-02-26 @ 9:00 am	5.3 ± 0.7	2026-03-03
12188722	OSTORAGE ROOM A	2026-02-23 @ 2:00 pm	2026-02-26 @ 9:00 am	< 0.3	2026-03-03
12184905	OSTORAGE ROOM B	2026-02-23 @ 2:00 pm	2026-02-26 @ 9:00 am	< 0.3	2026-03-03

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

March 3, 2026

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
KENNEDY ELEMENTARY SCHOOL

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12190252	100	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	2.4 ± 0.5	2026-03-03
12190251	103	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	1.2 ± 0.4	2026-03-03
12190250	104	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	1.3 ± 0.4	2026-03-03
12190245	106	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	1.8 ± 0.4	2026-03-03
12190234	110	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.2 ± 0.6	2026-03-03
12190241	111	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	1.5 ± 0.4	2026-03-03
12190244	112	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.2 ± 0.5	2026-03-03
12190243	114	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.8 ± 0.5	2026-03-03
12190236	116	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.6 ± 0.5	2026-03-03
12190238	117	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.2 ± 0.5	2026-03-03
12190239	117 COPY ROOM	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.8 ± 0.5	2026-03-03
12190237	118	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.0 ± 0.4	2026-03-03
12190226	119	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.0 ± 0.5	2026-03-03
12190235	121	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.3 ± 0.5	2026-03-03
12190225	122	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	0.7 ± 0.4	2026-03-03
12190230	123	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.1 ± 0.4	2026-03-03
12190222	124	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	0.9 ± 0.4	2026-03-03
12190229	125 CONFERENCE ROOM	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	0.7 ± 0.4	2026-03-03
12190227	125 EAST	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.5 ± 0.5	2026-03-03
12190223	125 NORTH	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.1 ± 0.4	2026-03-03
12190221	126	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.4 ± 0.5	2026-03-03
12190207	127	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.9 ± 0.5	2026-03-03
12190206	130	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.4 ± 0.5	2026-03-03
12190213	131	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.7 ± 0.5	2026-03-03
12190208	132	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.7 ± 0.6	2026-03-03
12190215	133	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.0 ± 0.5	2026-03-03
12190214	134	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.7 ± 0.5	2026-03-03
12190220	135	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.9 ± 0.4	2026-03-03
12190211	141A	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.5 ± 0.5	2026-03-03
12190212	141C	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.7 ± 0.5	2026-03-03
12190210	143	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	0.9 ± 0.4	2026-03-03
12190203	144	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.5 ± 0.5	2026-03-03
12190209	145	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.6 ± 0.5	2026-03-03
12190204	146	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.7 ± 0.5	2026-03-03
12190205	147	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.5 ± 0.5	2026-03-03
12190133	CAFETERIA EAST	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.1 ± 0.5	2026-03-03
12190134	CAFETERIA SOUTH	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.8 ± 0.5	2026-03-03

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

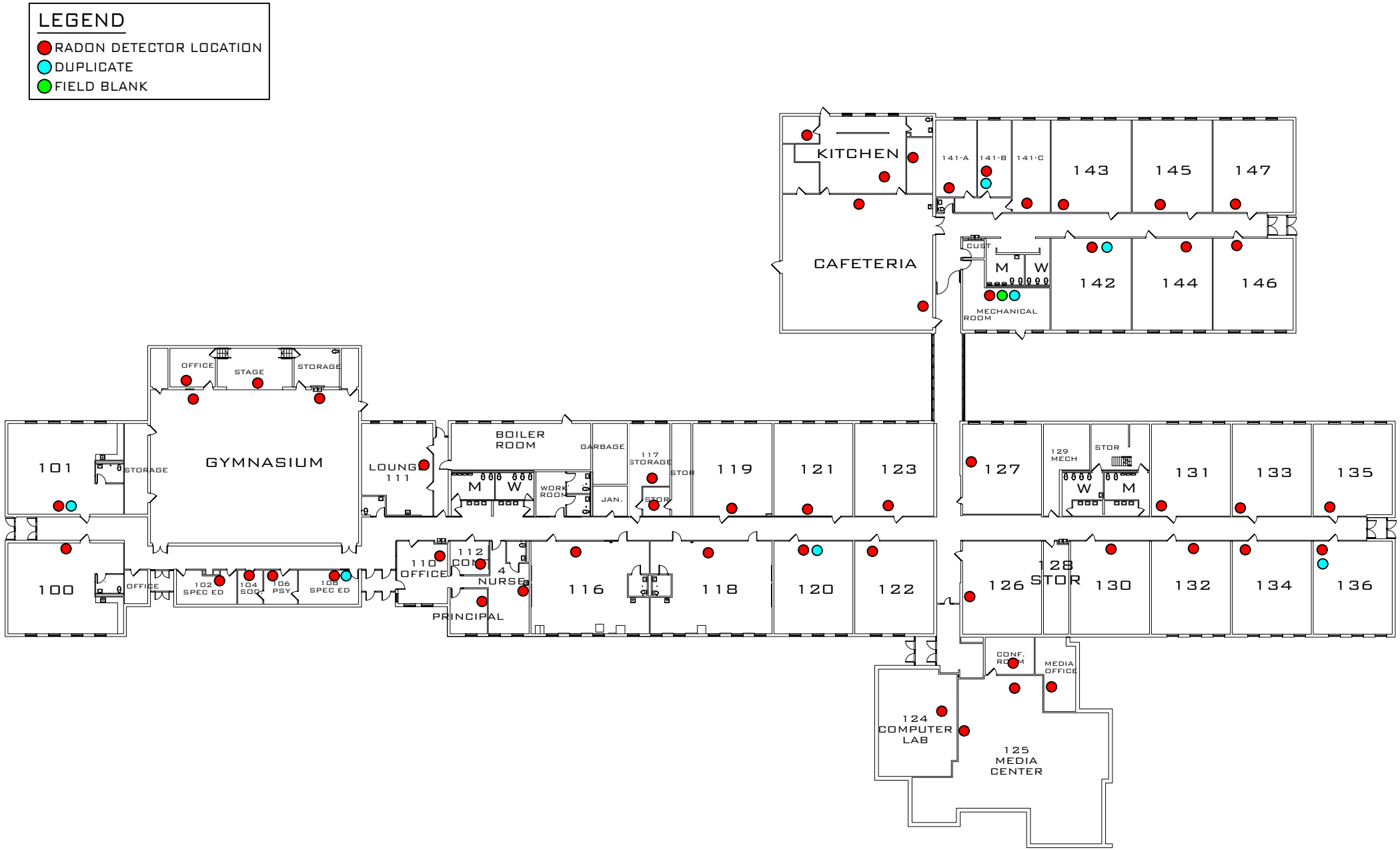
March 3, 2026 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
KENNEDY ELEMENTARY SCHOOL

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12190157	CUSTODIAL OFFICE	2026-02-23 @ 7:00 am	2026-02-26 @ 8:00 am	3.2 ± 0.5	2026-03-03
12190128	DISHROOM	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.5 ± 0.5	2026-03-03
12190257	DUP-101-1	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	3.2 ± 0.5	2026-03-03
12190258	DUP-101-2	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	2.6 ± 0.5	2026-03-03
12190240	DUP-108-1	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	1.1 ± 0.4	2026-03-03
12190242	DUP-108-2	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	1.2 ± 0.4	2026-03-03
12190231	DUP-120-1	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.9 ± 0.5	2026-03-03
12190232	DUP-120-2	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.2 ± 0.5	2026-03-03
12190216	DUP-136-1	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.5 ± 0.4	2026-03-03
12190219	DUP-136-2	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.0 ± 0.4	2026-03-03
12190217	DUP-141B-1	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	3.1 ± 0.5	2026-03-03
12190218	DUP-141B-2	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.6 ± 0.5	2026-03-03
12190202	DUP-142-1	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.0 ± 0.5	2026-03-03
12190201	DUP-142-2	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.6 ± 0.5	2026-03-03
12190259	FBCUSTODIAL OFFICE 1	2026-02-23 @ 9:00 am	2026-02-26 @ 9:00 am	< 0.3	2026-03-03
12190260	FBCUSTODIAL OFFICE 2	2026-02-23 @ 9:00 am	2026-02-26 @ 9:00 am	< 0.3	2026-03-03
12190246	GYM NORTHEAST	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	3.7 ± 0.5	2026-03-03
12190247	GYM NORTHWEST	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	3.5 ± 0.5	2026-03-03
12190249	GYM OFFICE	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	3.8 ± 0.6	2026-03-03
12190158	KITCHEN	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.1 ± 0.5	2026-03-03
12190169	KITCHEN OFFICE	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	4.3 ± 0.6	2026-03-03
12190224	MEDIA OFFICE	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	1.5 ± 0.5	2026-03-03
12190233	PRINCIPALS OFFICE	2026-02-23 @ 8:00 am	2026-02-26 @ 8:00 am	2.5 ± 0.5	2026-03-03
12190248	STAGE	2026-02-23 @ 8:00 am	2026-02-26 @ 9:00 am	4.4 ± 0.5	2026-03-03

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



INSTITUTE FOR ENVIRONMENTAL ASSESSMENT
9201 West Broadway Brooklyn Park, MN 55445
Tel: 763.315.7900 Toll Free: 800.233.9513
Fax: 763.315.7920

KENNEDY ELEMENTARY

FIRST LEVEL FLOOR PLAN | MAR. 2026

March 6, 2026

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
PINECREST ELEMENTARY SCHOOL

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12190298	11	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.2 ± 0.4	2026-03-03
12190285	12	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.4 ± 0.4	2026-03-03
12306513	13	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	2.2 ± 0.5	2026-03-03
12190282	14	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.2 ± 0.5	2026-03-03
12190277	15	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.3 ± 0.5	2026-03-03
12190279	17	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.8 ± 0.4	2026-03-03
12190278	18	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.0 ± 0.5	2026-03-03
12190274	20	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.3 ± 0.4	2026-03-03
12190264	22	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.1 ± 0.4	2026-03-03
12190254	23	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.2 ± 0.4	2026-03-03
12190256	24	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	0.9 ± 0.5	2026-03-03
12190263	25	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.6 ± 0.4	2026-03-03
12190266	26	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	< 0.3	2026-03-03
12190255	27	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	0.7 ± 0.4	2026-03-03
12306517	30	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.0 ± 0.4	2026-03-03
12306518	31	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	0.9 ± 0.5	2026-03-03
12306516	32	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	0.9 ± 0.4	2026-03-03
12306525	33	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.7 ± 0.4	2026-03-03
12306526	34	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.3 ± 0.5	2026-03-03
12306523	36	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	0.9 ± 0.4	2026-03-03
12306504	37	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.0 ± 0.4	2026-03-03
12306509	40B	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	0.5 ± 0.4	2026-03-03
12306508	41A	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	0.9 ± 0.4	2026-03-03
12306506	41B	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.2 ± 0.5	2026-03-03
12306507	42	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	0.9 ± 0.4	2026-03-03
12190299	43	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.0 ± 0.4	2026-03-03
12190300	44	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.1 ± 0.4	2026-03-03
12306503	46	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.6 ± 0.5	2026-03-03
12306502	47	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.4 ± 0.4	2026-03-03
12190295	51	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.3 ± 0.4	2026-03-03
12190267	CAFETERIA NORTHEAST	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.0 ± 0.4	2026-03-03
12190268	CAFETERIA SOUTH	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.5 ± 0.4	2026-03-03
12190292	CONFERENCE ROOM	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.5 ± 0.4	2026-03-03
12190284	COT ROOM	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	5.3 ± 0.6	2026-03-03
12190273	DISHROOM	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.7 ± 0.4	2026-03-03
12190280	DUP-16-1	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.7 ± 0.5	2026-03-03
12190281	DUP-16-2	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.4 ± 0.5	2026-03-03

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

March 6, 2026

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
PINECREST ELEMENTARY SCHOOL

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12190265	DUP-21-1	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.3 ± 0.4	2026-03-03
12190262	DUP-21-2	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	0.8 ± 0.4	2026-03-03
12306511	DUP-35-1	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.0 ± 0.4	2026-03-03
12306512	DUP-35-2	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.3 ± 0.4	2026-03-03
12306510	DUP-40A-1	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	2.3 ± 0.5	2026-03-03
12306515	DUP-40A-2	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.9 ± 0.5	2026-03-03
12306501	DUP-45-1	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.4 ± 0.4	2026-03-03
12306505	DUP-45-2	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.8 ± 0.5	2026-03-03
12190287	DUP-52-1	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.1 ± 0.4	2026-03-03
12190288	DUP-52-2	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.1 ± 0.5	2026-03-03
12190261	DUP-CUSTODIAL OFFICE-1	2026-02-23 @ 9:00 am	2026-02-26 @ 9:00 am	0.7 ± 0.4	2026-03-03
12190253	DUP-CUSTODIALOFFICE-2	2026-02-23 @ 9:00 am	2026-02-26 @ 9:00 am	1.0 ± 0.4	2026-03-03
12306514	FBCUSTODIALOFFICE 1	2026-02-23 @ 10:00 am	2026-02-26 @ 9:00 am	< 0.3	2026-03-03
12306519	FBCUSTODIALOFFICE 2	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	< 0.3	2026-03-03
12190275	GYM EAST	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	3.0 ± 0.5	2026-03-03
12190272	GYM OFFICE	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	4.5 ± 0.5	2026-03-03
12190276	GYM WEST	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.9 ± 0.6	2026-03-03
12190269	KITCHEN	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	1.7 ± 0.4	2026-03-03
12190270	KITCHEN OFFICE	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	2.2 ± 0.4	2026-03-03
12190286	MAILROOM	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.2 ± 0.4	2026-03-03
12190290	MAILROOM BACKROOM	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	2.0 ± 0.5	2026-03-03
12190289	MAIN OFFICE	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	2.0 ± 0.5	2026-03-03
12190297	MEDIA CENTER EAST	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.8 ± 0.4	2026-03-03
12190294	MEDIA CENTER OFFICE	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.0 ± 0.4	2026-03-03
12190296	MEDIA CENTER SOUTH	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.6 ± 0.5	2026-03-03
12190293	MOTHERS ROOM	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	1.5 ± 0.4	2026-03-03
12190283	NURSE	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	3.4 ± 0.5	2026-03-03
12190291	PRINCIPALS OFFICE	2026-02-23 @ 10:00 am	2026-02-26 @ 10:00 am	2.4 ± 0.5	2026-03-03
12190271	STAGE	2026-02-23 @ 9:00 am	2026-02-26 @ 10:00 am	3.1 ± 0.5	2026-03-03

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

LEGEND

- RADON DETECTOR LOCATION
- DUPLICATE
- FIELD BLANK

INSTITUTE FOR ENVIRONMENTAL ASSESSMENT
9201 West Broadway Brooklyn Park, MN 55445
Tel: 763.315.7900 Toll Free: 800.233.9513
Fax: 763.315.7920

PINECREST ELEMENTARY

FIRST LEVEL FLOOR PLAN | MAR. 2026

N

March 6, 2026

** LABORATORY ANALYSIS REPORT **

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
TILDEN COMMUNITY CENTER

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12306561	101 KITCHEN	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.8 ± 0.4	2026-03-03
12306528	101 NORTHEAST	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.5 ± 0.5	2026-03-03
12306529	101 SOUTHEAST	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.1 ± 0.5	2026-03-03
12306527	107	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.9 ± 0.4	2026-03-03
12306554	109	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	< 0.3	2026-03-03
12306533	117	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.7 ± 0.4	2026-03-03
12306552	118	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.2 ± 0.4	2026-03-03
12306560	122	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.9 ± 0.4	2026-03-03
12306558	123	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.4 ± 0.4	2026-03-03
12306557	124	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.4 ± 0.5	2026-03-03
12306555	127	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.0 ± 0.4	2026-03-03
12306556	130	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.1 ± 0.5	2026-03-03
12306563	134	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.2 ± 0.4	2026-03-03
12306559	148	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.2 ± 0.4	2026-03-03
12306538	157	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.2 ± 0.4	2026-03-03
12306548	165	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.6 ± 0.4	2026-03-03
12306543	167	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.3 ± 0.4	2026-03-03
12306551	170	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.4 ± 0.4	2026-03-03
12306553	ACROSS 127	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.3 ± 0.4	2026-03-03
12306547	CENTER ECSE OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.8 ± 0.4	2026-03-03
12306524	COMMUNITY ED OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.3 ± 0.5	2026-03-03
12306521	CUSTODIAL OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.9 ± 0.4	2026-03-03
12306564	DUP-108-1	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	< 0.3	2026-03-03
12306566	DUP-108-2	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	< 0.3	2026-03-03
12306520	DUP-116-1	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	< 0.3	2026-03-03
12306522	DUP-116-2	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	< 0.3	2026-03-03
12306565	DUP-119-1	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.0 ± 0.4	2026-03-03
12306540	DUP-119-2	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.2 ± 0.4	2026-03-03
12306549	DUP-169-1	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.7 ± 0.5	2026-03-03
12306550	DUP-169-2	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.2 ± 0.4	2026-03-03
12306530	DUP-WORKROOM-1	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	2.8 ± 0.5	2026-03-03
12306537	DUP-WORKROOM-2	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	2.7 ± 0.5	2026-03-03
12306532	EARLY CHILDHOOD STAFF OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	2.3 ± 0.5	2026-03-03
12306541	ECSE STAFF	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	2.6 ± 0.5	2026-03-03
12306562	FBCUSTODIAL OFFICE 1	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	< 0.3	2026-03-03
12306545	MOTHER'S ROOM	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.9 ± 0.4	2026-03-03
12306539	NORTHEAST COMMUNITY ED OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	0.9 ± 0.4	2026-03-03

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

March 6, 2026

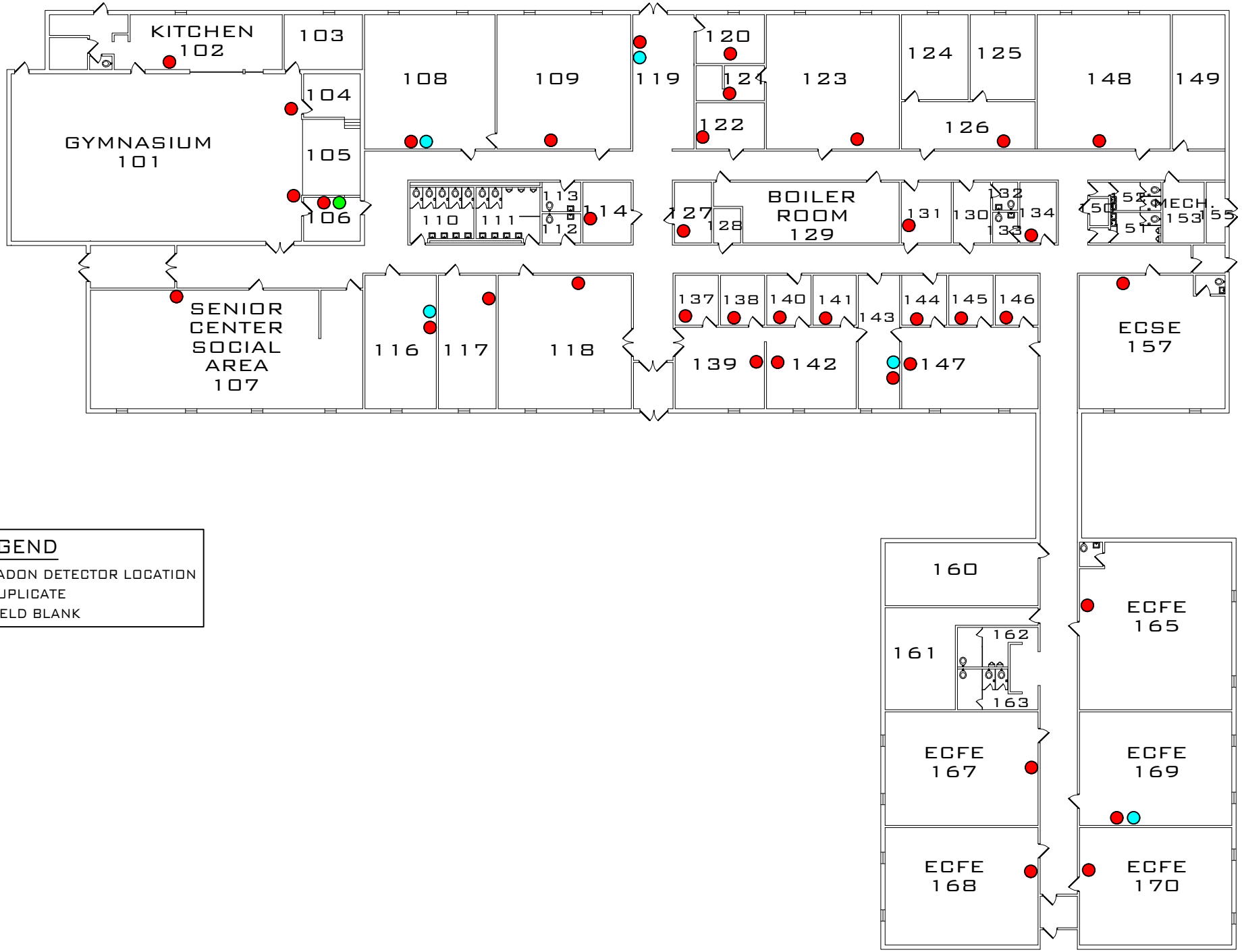
** LABORATORY ANALYSIS REPORT **

Radon test result report for:

HASTINGS PUBLIC SCHOOLS
TILDEN COMMUNITY CENTER

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12306536	NORTHEAST EARLY CHILDHOOD OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	2.1 ± 0.5	2026-03-03
12306544	NORTHEAST ECSE OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.9 ± 0.4	2026-03-03
12306535	NORTHWEST COMMUNITY ED OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.9 ± 0.5	2026-03-03
12306531	NORTHWEST COMMUNITY ED OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.5 ± 0.4	2026-03-03
12306542	NORTHWEST ECSE OFFICE	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.9 ± 0.5	2026-03-03
12306534	WELCOME CENTER	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.0 ± 0.4	2026-03-03
12306546	WEST 120	2026-02-23 @ 11:00 am	2026-02-26 @ 11:00 am	1.5 ± 0.4	2026-03-03

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



INSTITUTE FOR
ENVIRONMENTAL ASSESSMENT
9201 West Broadway Brooklyn Park, MN 55445
Tel: 763.315.7900 Toll Free: 800.233.9513
Fax: 763.315.7920

TILDEN COMMUNITY CENTER

FIRST LEVEL FLOOR PLAN | MAR. 2026

N

Appendix C

Signed Non-Interference Agreement

and

Client Commitments, Advisories, and Authorizations

NOTICE OF INSPECTION FOR ALL FACILITATING STAFF

A radon test is scheduled for:

Building: Kennedy Curriculum Building
Test Start Date: 02-23-2026 Test End Date: 02-26-2026

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.

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

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

Short-term test kits. It is important that these devices are fully open and not covered. They will be analyzed by a laboratory.
Continuous radon monitors. These are electronic devices 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 test is complete.

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

Name: Justin Kummer

Signature:

Licensed Measurement Professional: Sashya Wandmaker RMEA-00470

Building: Kennedy Elementary School

Test Start Date: 02-23-2026 Test End Date: 02-26-2026

Please help to maintain the required test conditions throughout the building

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

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

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

Short-term test kits. It is important that these devices are fully open and not covered. They will be analyzed by a laboratory.
Continuous radon monitors. These are electronic devices 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 test is complete.

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

Name: Justin Kummer

Signature:

Licensed Measurement Professional: Sashya Wandmaker RMEA-00470

Building: Pinecrest Elementary School

Test Start Date: 02-23-2026 Test End Date: 02-26-2026

Please help to maintain the required test conditions throughout the building

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

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

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

Short-term test kits. It is important that these devices are fully open and not covered. They will be analyzed by a laboratory.
Continuous radon monitors. These are electronic devices 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.

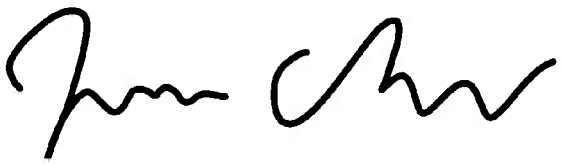
Disturbing test devices can also cause unreliable or invalid test results.

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

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

Name: Jamie Clark

Signature:



Licensed Measurement Professional: Sashya Wandmaker RMEA-00470

Building: Tilden Community Center

Test Start Date: 02-23-2026 Test End Date: 02-26-2026

Please help to maintain the required test conditions throughout the building

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

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

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

Short-term test kits. It is important that these devices are fully open and not covered. They will be analyzed by a laboratory.
Continuous radon monitors. These are electronic devices 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.

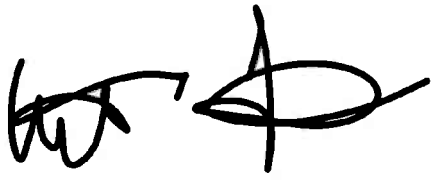
Disturbing test devices can also cause unreliable or invalid test results.

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

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

Name: Curtis Latch

Signature:



Licensed Measurement Professional: Sashya Wandmaker RMEA-00470

More Detailed Guidance for Staff

Required Closed-Building Conditions	
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
Combustion Appliance Vents	Operate Normally
Passive Solar Systems	Operate Normally
Attic Vent Fans	Operate Normally
Evaporative Cooling Systems	Do not operate
Required for Test Locations Within a Room	
Place detectors within the general **breathing zone** Locate detectors **no less than:**	3 feet from exterior doors, windows or other openings to the outdoors
	20 inches above the floor
	4 inches from other test devices and objects
	1 foot below the ceiling
Place detectors where they are not easily disturbed:	Select a place in an occupied area where the detectors are unlikely to be moved
Place detectors where they are not influenced by other factors:	Do not place devices in closets, crawlspaces, cupboards, sumps or nooks within building foundations
	Do not place devices in area with high air movement (ex. mechanical areas, furnace closets)
	Do not place devices in areas of 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 sunlight)
	Do not place detectors on devices that produce radiation (ex. natural stone counters, pool tables, rock collections)

Client Commitments, Advisories, and Authorizations

I have been informed of test plan options that comply with ANSI/AARST MA-MFLB 2023.

Time-Sensitive Testing	Extended Testing
Tests at each location are tested using two short-term test devices or a continuous radon monitor.	Tests at each location are conducted using a single short-term test device.
--	All locations that meet or exceed the action level (4.0 pCi/L) are retested.
Decisions to mitigate are based on the results of the average of the two short-term test devices or the average from a continuous radon monitor.	Decisions to mitigate are based on the results of the average of the two rounds of testing.

Testing should take place during normal occupied operating conditions for the building, and when operating conditions for the building are most likely to emphasize a clear characterization of a radon hazard. For most locations in the U.S., including Minnesota, this is during the heating season (November through March).

To the extent reasonably possible, I commit to helping ensure that building conditions required to achieve reliable radon tests are met, as portrayed herein, by accepting the following responsibilities:

1. **Building Preparation**: I accept responsibility that, no later than 12 hours prior to testing, each building scheduled for testing will be reviewed for compliance with closed-building requirements.

2. **Compliance Verification**: I accept responsibility for taking actions that could include adjustments to HVAC units and repairs, such as for broken windows, where completion is required no later than 12 hours prior to testing. Maps and information regarding HVAC systems will be provided upon IEA request. Verification will be provided as signed/initialed below or initialed on a log sheet, to be provided.

3. **Prior Notifications**: Notices will be distributed to staff and occupants at least 24 hours prior to testing and posted in publicly accessible areas such as in corridors, elevators and offices in a timely manner, no later than required by local law for gaining access to a dwelling or not later than the day before testing. Notices will include:

   - Scheduled dates and times for test device placement and retrieval
   - Essential closed-building requirements portrayed in Table 4-A of the ANSI/AARST standard and that these conditions are required no later than 12 hours prior to the test and throughout the test period
   - Information on how to obtain federal or state radon health guidance, and
   - Local contact information for inquiries, such as the authorized building supervisor.

4. **Access**: Access will be provided to each location being tested within a building, with intent to access all locations within a building on the same day for both the event of placing test devices, and a second event for retrieving test devices.

5. **Quality Control**: Quality control measurements will be done at 10% duplicates (extended testing option), 5% blanks, and 3% spikes (3% of each lot of charcoal adsorption devices, max of 6 spikes per month).

A valid measurement shall be taken in 100% ground contact rooms that are occupied or intended to be occupied, and those located above unoccupied rooms in ground contact, as well as 10% of rooms on each upper floor in each building. Failure to reasonably maintain *closed-building conditions* or when test locations are not readily accessible can lead to unnecessary expense, disruptions, and unreliable data. Disturbing test devices can also cause unreliable and invalid test results.

Client Commitments, Advisories, and Authorizations

Please mark or provide, in writing, a list of who is authorized to receive test data and at which junctures data should be provided. Person(s) authorized to receive report data and incremental reports:

- ☒ Proposal Contact and Superintendent
- ☐ District Administrators
- ☐ Building Administrators (Principals or Building Supervisors)
- ☐ Other: _____

Client: Hastings Public Schools.

Building: Kennedy, Pinecrest, Tilden

Name: Scott Stockdale

Title: Director of Facilities + Safety

Signature: [signature]

Date: 9/12/2025

Appendix D

Average Building Operating Conditions Comparison

Climate Zone 6 (includes Southern MN)

		Annual Averages			During the Test
		24 Hour	Daytime	Daytime 9-Month	Prevailing During the Test
Operating Condition	Outdoor Temperature and Weather Conditions	45 °F	50 °F	N/A	Average: 22 °F Minimum: 12 °F Maximum: 32 °F
	Heating Conditions	75%	66%	88%	100%
	Cooling Conditions	-	16%	11%	0%
	Mixed Conditions	25%	16%	-	0%
Normal Operating Condition		• Heating conditions • No variance in outdoor air ventilation			• Heating conditions • No variance in outdoor air ventilation • Snow or ice present outdoors
Condition less likely to inhibit characterization of a radon hazard		• Heating and air distribution systems active			• Heating and air distribution systems active

Appendix E

MDH Reporting Form(s)

School Radon Testing Reporting Form

According to Minnesota Statute 123B.571, subd. 3, a school district that has tested its school buildings for the presence of radon shall report the results of the tests to the Department of Health. Please use this form to submit information about the most recent round or cycle of testing for each building.

Instructions

1. Complete one form for each building tested. A building is defined as an occupied facility with a unique address. This includes administrative buildings. Please report the MDE School Number.
2. Include this form, reports, and a building map.
3. Submit this form when all work is completed for a round of testing. This includes reporting to the school board, follow-up testing, and mitigation if applicable.
4. Email information to health.indoorair@state.mn.us

Contact Information

(Person submitting this report)

Name: Scott Stockdale

Mailing Address: 1000 West 11th St. (#22), Hastings, MN 55033

Phone: 507-215-4097 Email: sstockdale@isd200.org

Person(s) Deploying or Retrieving Test Devices

List all individuals the placed or picked-up test devices during initial, follow-up, and post-mitigation testing. Additional names can be added in the notes at the end of the form.

Name: Sashya Wandmaker Organization/Company: IEA

Name: Grant Gervais Organization/Company: IEA

Name: _____ Organization/Company: _____

School Board Reporting

Were all results reported at a school board meeting? (●) Yes ( ) No

Initial Radon Testing

School Building Name: Kennedy Elementary + Curriculum Center MDE School No.[1]: 0200-01-609

School District Name & District Number: Hastings Public Schools ISD #200

Building Address: 1175 Tyler St, Hastings, MN 55033

Test Kit Manufacturer & Device Name: Air Chek Pro Chek

Date of Kit Retrieval (MM/DD/YYYY): 01/26/2026 Length of Test (days): 3

Does the test period include weekends?	○ Yes	◉ No
Does the test period include school breaks or holidays?	○ Yes	◉ No
Was HVAC operating under occupied conditions?	◉ Yes	○ No
Were test devices deployed in all occupied or intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?[2]	◉ Yes	○ No
Were sufficient valid measurements obtained that allow for no further testing? [3]	◉ Yes	○ No

How many rooms were tested? 54

How many rooms had results ≥ 4 pCi/L? 3

[1] The MDE school number is a 9-digit number in the format XXXX-XX-XXX. The first 4 digits are the organization number, followed by a 2-digit organization type, followed by a 3-digit site/school number. If you are unsure of the school ID number, please search MDE-ORG (https://public.education.mn.gov/MdeOrgView/search/tagged/MDEORG_DISTRICT_SCHOOL) by district/charter name and click District View to see a list of the associated schools/find the school number. Example: Anoka High School is 0011-01-0001.

[2] This includes rooms, offices, classrooms, and other general use areas. Ground contact means: 1) rooms that have floors or walls in contact with the ground; and 2) rooms that are closest to the ground over untested ground-contact locations such as a crawl space, utility tunnel, parking garage, and other non-habitable space that is in contact with the ground. Intended to be occupied rooms are locations where there are plans to occupy rooms even though they are unoccupied at the time of testing. In addition, if the building has upper floors, at least 10% of those upper rooms need to be tested.

[3] Section 6.2 of the ANSI/AARST standard allows for a specific small number of invalid measurements (e.g. missing or damaged test kits). Review this section of the standard and evaluate how many rooms needed testing and how many had valid results. If there were too many invalid results, this mean additional testing was required in these locations and answer this question as 'no'

Follow-up Testing, Mitigation, & Post-Mitigation Testing

If one or more rooms tested ≥ 4.0 pCi/L, please answer the questions below:

How many rooms had follow-up testing? _____

Number of rooms with follow-up results: ≥ 4 pCi/L: _____ < 4 pCi/L: _____

Of the rooms with follow-up results ≥ 4 pCi/L, how many rooms were:

Mitigated by diluting or pressurizing the soil or indoor air (not active soil depressurization): _____

Mitigated by installing active soil depressurization system(s)? _____

Reduced by adjusting the HVAC system? _____

Individuals Who Installed Mitigation:

Name: _____ Organization/Company: _____

Name: _____ Organization/Company: _____

What was the cost of the installation and/or HVAC service work to mitigation radon? _____

What is the known or anticipated annual operating cost of mitigation (estimate)? _____

After radon mitigation, how many rooms were re-tested?[4] _____

Post-mitigation results (# of rooms):

≥ 4 pCi/L: _____ < 4 pCi/L: _____

Notes

Minnesota Department of Health | Environmental Health | Indoor Air Unit
health.indoorair@state.mn.us, www.health.state.mn.us
February 12, 2025

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

[4] The building must be tested to very reduction and ensure mitigation has not increased radon in rooms that used to be low.

School Radon Testing Reporting Form

According to Minnesota Statute 123B.571, subd. 3, a school district that has tested its school buildings for the presence of radon shall report the results of the tests to the Department of Health. Please use this form to submit information about the most recent round or cycle of testing for each building.

Instructions

1. Complete one form for each building tested. A building is defined as an occupied facility with a unique address. This includes administrative buildings. Please report the MDE School Number.
2. Include this form, reports, and a building map.
3. Submit this form when all work is completed for a round of testing. This includes reporting to the school board, follow-up testing, and mitigation if applicable.
4. Email information to health.indoorair@state.mn.us

Contact Information

(Person submitting this report)

Name: Scott Stockdale

Mailing Address: 1000 West 11th St. (#22), Hastings, MN 55033

Phone: 507-215-4097 Email: sstockdale@isd200.org

Person(s) Deploying or Retrieving Test Devices

List all individuals the placed or picked-up test devices during initial, follow-up, and post-mitigation testing. Additional names can be added in the notes at the end of the form.

Name: Sashya Wandmaker Organization/Company: IEA

Name: Grant Gervais Organization/Company: IEA

Name: _____ Organization/Company: _____

School Board Reporting

Were all results reported at a school board meeting? (●) Yes ( ) No

Initial Radon Testing

School Building Name: Pinecrest Elementary MDE School No.[1]: 0200-01-610

School District Name & District Number: Hastings Public Schools ISD #200

Building Address: 975 12th St W, Hastings, MN 55033

Test Kit Manufacturer & Device Name: Air Chek Pro Chek

Date of Kit Retrieval (MM/DD/YYYY): 01/26/2026 Length of Test (days): 3

Does the test period include weekends?	○ Yes	◉ No
Does the test period include school breaks or holidays?	○ Yes	◉ No
Was HVAC operating under occupied conditions?	◉ Yes	○ No
Were test devices deployed in all occupied or intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?[2]	◉ Yes	○ No
Were sufficient valid measurements obtained that allow for no further testing? [3]	◉ Yes	○ No

How many rooms were tested? 57

How many rooms had results ≥ 4 pCi/L? 2

[1] The MDE school number is a 9-digit number in the format XXXX-XX-XXX. The first 4 digits are the organization number, followed by a 2-digit organization type, followed by a 3-digit site/school number. If you are unsure of the school ID number, please search MDE-ORG (https://public.education.mn.gov/MdeOrgView/search/tagged/MDEORG_DISTRICT_SCHOOL) by district/charter name and click District View to see a list of the associated schools/find the school number. Example: Anoka High School is 0011-01-0001.

[2] This includes rooms, offices, classrooms, and other general use areas. Ground contact means: 1) rooms that have floors or walls in contact with the ground; and 2) rooms that are closest to the ground over untested ground-contact locations such as a crawl space, utility tunnel, parking garage, and other non-habitable space that is in contact with the ground. Intended to be occupied rooms are locations where there are plans to occupy rooms even though they are unoccupied at the time of testing. In addition, if the building has upper floors, at least 10% of those upper rooms need to be tested.

[3] Section 6.2 of the ANSI/AARST standard allows for a specific small number of invalid measurements (e.g. missing or damaged test kits). Review this section of the standard and evaluate how many rooms needed testing and how many had valid results. If there were too many invalid results, this mean additional testing was required in these locations and answer this question as 'no'

Follow-up Testing, Mitigation, & Post-Mitigation Testing

If one or more rooms tested ≥ 4.0 pCi/L, please answer the questions below:

How many rooms had follow-up testing? _____

Number of rooms with follow-up results: ≥ 4 pCi/L: _____ < 4 pCi/L: _____

Of the rooms with follow-up results ≥ 4 pCi/L, how many rooms were:

Mitigated by diluting or pressurizing the soil or indoor air (not active soil depressurization): _____

Mitigated by installing active soil depressurization system(s)? _____

Reduced by adjusting the HVAC system? _____

Individuals Who Installed Mitigation:

Name: _____ Organization/Company: _____

Name: _____ Organization/Company: _____

What was the cost of the installation and/or HVAC service work to mitigation radon? _____

What is the known or anticipated annual operating cost of mitigation (estimate)? _____

After radon mitigation, how many rooms were re-tested?[4] _____

Post-mitigation results (# of rooms):

≥ 4 pCi/L: _____ < 4 pCi/L: _____

Notes

Minnesota Department of Health | Environmental Health | Indoor Air Unit
health.indoorair@state.mn.us, www.health.state.mn.us
February 12, 2025

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

[4] The building must be tested to very reduction and ensure mitigation has not increased radon in rooms that used to be low.

School Radon Testing Reporting Form

According to Minnesota Statute 123B.571, subd. 3, a school district that has tested its school buildings for the presence of radon shall report the results of the tests to the Department of Health. Please use this form to submit information about the most recent round or cycle of testing for each building.

Instructions

1. Complete one form for each building tested. A building is defined as an occupied facility with a unique address. This includes administrative buildings. Please report the MDE School Number.
2. Include this form, reports, and a building map.
3. Submit this form when all work is completed for a round of testing. This includes reporting to the school board, follow-up testing, and mitigation if applicable.
4. Email information to health.indoorair@state.mn.us

Contact Information

(Person submitting this report)

Name: Scott Stockdale

Mailing Address: 1000 West 11th St. (#22), Hastings, MN 55033

Phone: 507-215-4097 Email: sstockdale@isd200.org

Person(s) Deploying or Retrieving Test Devices

List all individuals the placed or picked-up test devices during initial, follow-up, and post-mitigation testing. Additional names can be added in the notes at the end of the form.

Name: Sashya Wandmaker Organization/Company: IEA

Name: Grant Gervais Organization/Company: IEA

Name: _____ Organization/Company: _____

School Board Reporting

Were all results reported at a school board meeting? (●) Yes ( ) No

Initial Radon Testing

School Building Name: Tilden Community Center MDE School No.[1]: 0200-01-170

School District Name & District Number: Hastings Public Schools ISD #200

Building Address: 310 River St, Hastings, MN 55033

Test Kit Manufacturer & Device Name: Air Chek Pro Chek

Date of Kit Retrieval (MM/DD/YYYY): 01/26/2026 Length of Test (days): 3

Does the test period include weekends?	○ Yes	◉ No
Does the test period include school breaks or holidays?	○ Yes	◉ No
Was HVAC operating under occupied conditions?	◉ Yes	○ No
Were test devices deployed in all occupied or intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?[2]	◉ Yes	○ No
Were sufficient valid measurements obtained that allow for no further testing? [3]	◉ Yes	○ No

How many rooms were tested? 38

How many rooms had results ≥ 4 pCi/L? 0

[1] The MDE school number is a 9-digit number in the format XXXX-XX-XXX. The first 4 digits are the organization number, followed by a 2-digit organization type, followed by a 3-digit site/school number. If you are unsure of the school ID number, please search MDE-ORG (https://public.education.mn.gov/MdeOrgView/search/tagged/MDEORG_DISTRICT_SCHOOL) by district/charter name and click District View to see a list of the associated schools/find the school number. Example: Anoka High School is 0011-01-0001.

[2] This includes rooms, offices, classrooms, and other general use areas. Ground contact means: 1) rooms that have floors or walls in contact with the ground; and 2) rooms that are closest to the ground over untested ground-contact locations such as a crawl space, utility tunnel, parking garage, and other non-habitable space that is in contact with the ground. Intended to be occupied rooms are locations where there are plans to occupy rooms even though they are unoccupied at the time of testing. In addition, if the building has upper floors, at least 10% of those upper rooms need to be tested.

[3] Section 6.2 of the ANSI/AARST standard allows for a specific small number of invalid measurements (e.g. missing or damaged test kits). Review this section of the standard and evaluate how many rooms needed testing and how many had valid results. If there were too many invalid results, this mean additional testing was required in these locations and answer this question as 'no'

Follow-up Testing, Mitigation, & Post-Mitigation Testing

If one or more rooms tested ≥ 4.0 pCi/L, please answer the questions below:

How many rooms had follow-up testing? _____

Number of rooms with follow-up results: ≥ 4 pCi/L: _____ < 4 pCi/L: _____

Of the rooms with follow-up results ≥ 4 pCi/L, how many rooms were:

Mitigated by diluting or pressurizing the soil or indoor air (not active soil depressurization): _____

Mitigated by installing active soil depressurization system(s)? _____

Reduced by adjusting the HVAC system? _____

Individuals Who Installed Mitigation:

Name: _____ Organization/Company: _____

Name: _____ Organization/Company: _____

What was the cost of the installation and/or HVAC service work to mitigation radon? _____

What is the known or anticipated annual operating cost of mitigation (estimate)? _____

After radon mitigation, how many rooms were re-tested?[4] _____

Post-mitigation results (# of rooms):

≥ 4 pCi/L: _____ < 4 pCi/L: _____

Notes

Minnesota Department of Health | Environmental Health | Indoor Air Unit
health.indoorair@state.mn.us, www.health.state.mn.us
February 12, 2025

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

[4] The building must be tested to very reduction and ensure mitigation has not increased radon in rooms that used to be low.

March 31, 2026

Providing Trusted
Health and Safety Solutions

Scott Stockdale
Director of Facilities and Safety
Hastings Public Schools
1000 11th West Street
Hastings, MN 55033

RE: Pinecrest and Kennedy Elementary School
2025-2026 Continuous Radon Monitoring Results
IEA Project #202510984

Dear Mr. Stockdale:

The Institute for Environmental Assessment, Inc. (IEA) used five (5) continuous radon monitors (CRMs) to measure radon levels in the following locations:

- Kennedy Elementary & Curriculum Center – *Kitchen Office, Stage, and Curriculum Center*
- Pinecrest Elementary – *Gym Office and Cot Room*

In addition, IEA placed one (1) CRM as a duplicate test for quality control purposes. See Appendix A for Quality Control information.

The purpose of the monitoring was to determine whether radon levels were within an acceptable range during typical work hours.

The CRM(s) were placed by the following Minnesota Department of Health (MDH) licensed Radon Measurement Professional(s):

Measurement Professional	License Number	Signature
Faith Breeden	RMEA-00538	

BROOKLYN PARK
9201 W. Broadway Avenue, Ste. #600
Brooklyn Park, MN 55445
763-315-7900 / FAX 763-315-7920
800-233-9513

MANKATO
610 North Riverfront Drive
Mankato, MN 56001
507-345-8818
800-233-9513

ROCHESTER
210 Woodlake Drive SE
Rochester, MN 55904
507-281-6664
800-233-9513

BRAINERD
601 NW 5th Street, Ste. #4
Brainerd, MN 56401
218-302-3787
800-233-9513

MARSHALL
1510 Stadium Drive, Ste. #2
Marshall, MN 56258
800-233-9513

VIRGINIA
5525 Emerald Avenue
Mountain Iron, MN 55768
218-748-7631
800-233-9513

INTRODUCTION

Radon is a colorless, odorless, tasteless, radioactive gas that occurs naturally in soil, rocks, and underground water supplies and in the ambient air. According to the U.S. Environmental Protection Agency (EPA) and other scientific organizations, naturally occurring radon gas has been associated with an increased risk of developing lung cancer. The chances of developing lung cancer from radon exposure are dependent on several factors, including individual susceptibility and, perhaps more importantly, the dose and duration of exposure. Radon testing in schools is highly recommended by the Minnesota Department of Health (MDH) and EPA.

Short-term radon testing, conducted from February 23-26, 2026, indicated a radon level above the EPA- and MDH-recommended Action Level. A CRM is recommended to determine if elevated levels are present during occupied times. Radon levels can fluctuate with the operation of the ventilation system as well as with changes in barometric pressure. The CRM provides hourly radon readings so that levels can be evaluated for periods while the room is occupied.

The Minnesota Department of Health (MDH) and the Environmental Protection Agency (EPA) have established a recommended action level in frequently occupied areas of 4.0 picoCuries per liter (pCi/L) for an annual average. The average radon level over each workday was compared to the Action Level.

METHODOLOGY

A Radalink, Inc. RADALINK Series 6000 Radon Telemonitor was used for the testing, which is provided and maintained by Radalink, Inc., MDH license #RL-00009, located at 5599 Peachtree Road, Atlanta, GA 30341.

Air intakes and ventilation systems were operating in normal condition at the time of placement and retrieval. IEA was informed that the HVAC was on a normal operating schedule during the testing period.

IEA followed *ANSI/AARST MA-MFLB 2023* for quality assurance measurements by including duplicate measurements at a rate of ten percent.

Client communications and commitments were delivered to the client and are located in Appendix C:

- Client Commitments, Advisories and Authorizations
- Facilitating Staff Commitments

Occupant notices were sent to the client for distribution on March 16, 2026.

EVALUATION CRITERIA

The MDH and the EPA have established a recommended action level in frequently occupied areas of 4.0 picocuries per liter (pCi/L) for an annual average. Testing was conducted during school days when the building is significantly occupied. The HVAC system was set on a normal occupied operating schedule. Testing was conducted during the heating season when the average outdoor temperature is less than 65°F, as recommended by the MDH, when the ventilation system was operating normally, and windows and doors were closed. Consequently, sampling under these “closed” conditions is when the radon risk is most likely to occur.

The MDH recommends follow-up testing for sampling results that are above the action level. Please refer to the following table for MDH guidelines:

RESULTS (pCi/L)	RECOMMENDED ACTION
LESS THAN 4	Re-test after changes to foundation or HVAC and every 5 years.
GREATER THAN OR EQUAL TO 4	Conduct CRM short-term testing during winter months.
LESS THAN 4 (**DURING OCCUPANCY**) AFTER CRM TESTING	Repeat CRM testing if not conducted during winter or if conducted during abnormal ventilation. Otherwise consider re-testing after changes to foundation or HVAC and every 5 years
GREATER THAN OR EQUAL TO 4 (**DURING OCCUPANCY**) AFTER CRM TESTING	Reduce radon in rooms to less than 4 through radon mitigation. Conduct CRM testing to verify radon reduction.

RESULTS & DISCUSSION

Continuous radon monitoring was conducted from March 23, 2026, to March 25, 2026, in the Kitchen Office, Stage, and Curriculum Center Classroom at Kennedy Elementary & Curriculum Center; and the Gym Office and Cot Room at Pinecrest Elementary. A CRM was placed in each room for about 48 hours. The MDH recommends a minimum of 48 hours. Days when these rooms were not occupied (e.g., weekends and holidays) were not included in the monitoring. The hourly CRM data is provided in Appendix C.

A summary of the CRM data, including previous results, is provided in the Table below.

Kennedy Elementary & Curriculum Center
1175 Tyler Street
Hastings, MN 55033

Continuous Radon Monitoring Results: March 23, 2026 – March 25, 2026

Room	Day 1 Average (pCi/L)		Day 2 Average (pCi/L)		Overall Average (pCi/L)		***Results from the Previous Testing (pCi/L)***
Curriculum Classroom	[1]6.0	[2]5.6	[1]6.8	[2]6.4	[1]6.4	[2]6.0	*5.3*
Kitchen Office	[1]2.0	[2]3.1	[1]2.0	[2]2.9	[1]2.0	[2]3.0	*4.3*
Stage	[1]2.2	[2]2.5	[1]2.7	[2]2.1	[1]2.4	[2]2.3	*4.4*

[1] Readings during occupied times: 7 a.m. to 5 p.m.
[2] Readings during unoccupied times: 12 a.m. to 7 a.m. and 5 p.m. to 11:59 p.m.

pCi/L – picoCuries per liter of air

CRM Calibration Dates

- *Curriculum Classroom (CRM #2568): November 4, 2025*
- *Kitchen Office (CRM #2220): December 8, 2025*
- *Stage (CRM #2395): December 8, 2025*

Pinecrest Elementary School
975 12th Street West
Hastings, MN 55033

Continuous Radon Monitoring Results: March 23, 2026 – March 25, 2026

Room	Day 1 Average (pCi/L)		Day 2 Average (pCi/L)		Overall Average (pCi/L)		*Results from the Previous Testing (pCi/L)*
Cot Room	[1]0.8	[2]7.9	[1]1.2	[2]9.0	[1]1.0	[2]8.5	*5.3*
Gym Office	[1]1.7	[2]3.8	[1]3.5	[2]4.6	[1]2.6	[2]4.2	*4.5*

[1] Readings during occupied times: 7 a.m. to 5 p.m.
[2] Readings during unoccupied times: 12 a.m. to 7 a.m. and 5 p.m. to 11:59 p.m.

pCi/L – picoCuries per liter of air

CRM Calibration Dates
- *Cot Room (CRM #2519): December 8, 2025*
- *Gym Office (CRM #2998): October 29, 2025*

Discussion of Results:

Kennedy Elementary School
- Average radon levels over the workday in the Curriculum Classroom were 6.0 pCi/L on the first day of testing, and 6.8 pCi/L on the second day of testing. Total average radon levels over the full measurement period were 6.2 pCi/L.
- Average radon levels over the workday in the Kitchen Office were 2.0 pCi/L on the first day of testing, and 2.0 pCi/L on the second day of testing. Total average radon levels over the full measurement period were 2.5 pCi/L.
- Average radon levels over the workday on the Stage were 2.2 pCi/L on the first day of testing, and 2.7 pCi/L on the second day of testing. Total average radon levels over the full measurement period were 2.3 pCi/L.
- Average radon levels in the Kitchen Office and Stage were below the Action Level during the workday.
- Average radon levels in the Curriculum Classroom were above the Action Level during the workday.

Pinecrest Elementary School
- Average radon levels over the workday in the Cot Room were 0.8 pCi/L on the first day of testing, and 1.2 pCi/L on the second day of testing. Total average radon levels over the full measurement period were 5.4 pCi/L.
- Average radon levels over the workday in the Gym Office were 1.7 pCi/L on the first day of testing, and 3.5 pCi/L on the second day of testing. Total average radon levels over the full measurement period were 3.5 pCi/L.
- Average radon levels in the Cot Room and Gym Office were below the Action Level during the workday.

CONCLUSIONS AND RECOMMENDATIONS

The results of four (4) CRMs indicate that radon levels in Kennedy Elementary School's Kitchen Office and Stage, as well as Pinecrest Elementary School's Cot Room and Gym Office are below the action level during the workday. The testing was performed during the heating season, so the testing is representative of "worst case" conditions.

It is recommended actions be taken to address results of radon concentrations greater than half the action level (2-3.9 pCi/L).

The results of the CRM indicate that radon levels in Kennedy Elementary School's Curriculum Classroom are above the action level during the workday.

1. If the average radon levels from the CRM are at or above 4 pCi/L **during occupancy**, then the building HVAC system settings (e.g., start time, night set-back temperature) should be adjusted to allow for improved airflow (and thereby reduce radon infiltration into the building). Follow-up CRM testing should be conducted to verify radon reduction. The operation of the HVAC system should continue under adjusted settings to keep radon levels within an acceptable range. Documentation should be kept with HVAC operation instructions for the Building Lead and the Director of Facilities and Safety to ensure that settings are maintained in the future.
2. If the follow-up average radon levels from the CRM are still at or above 4 pCi/L **during occupancy** (after the HVAC adjustments have been made), then the district should contact a professional radon mitigation contractor for assistance. IEA recommends using a contact with experience specific to schools.
3. Mitigation is not complete until retests provide evidence of the initial status of system effectiveness. A short-term radon measurement should be conducted no sooner than 24 hours after a mitigation system is operational, and within 30 days after installation of the systems. The test should be repeated as soon as possible, or within one year under conditions that reasonably represent:
    - Average building operating conditions exist that are normally present during the greatest amount of significantly occupied time.
    - Building operating conditions exist that are most likely to characterize a radon hazard.

Results from CRM follow-up testing show radon levels during occupied and non-occupied hours. Any mitigation efforts that rely on HVAC mechanical adjustments to provide dilution or pressurizations of indoor air will require clearance testing in all locations within each unique sector mitigated and at least one measurement in each adjoining sector served by a different HVAC system.

The EPA has established recommended guidelines for permissible radon concentrations in schools. The following are general recommendations for frequently occupied areas of schools:

- The building should be retested at least every 5 years and in conjunction with any sale of the building.
- Rooms that were not tested because they were not occupied should be tested if they become occupied in the future.

In addition, retesting should be conducted when any of the following circumstances occur:

- A new addition is constructed, or a significant renovation occurs.
- A ground contact area not previously tested is occupied.
- Heating or cooling systems are significantly altered, resulting in changes to air pressures or distribution.

- Ventilation is significantly altered by extensive weatherization, changes to mechanical systems, or comparable procedures.
- Significant openings to soil occur due to:
  - Ground water or slab surface water control systems (e.g., sumps, perimeter drain tile, shower/tub retrofits, etc.)
  - Natural settlement causing major cracks to develop
  - Earthquakes, construction blasting, or formation of sink holes nearby
  - A mitigation system is altered, modified or repaired
- Rooms should be retested during the winter heating season (i.e., under "closed" conditions) which is typically "worst case" conditions.

Per Minnesota Statutes, section 123B.571, school districts are required to report radon test results at a school board meeting and report results to the MDH. IEA is able to assist with presenting results to the school board, and the MDH reporting. The MDH 'School Radon Testing Form' is located in Appendix E.

For more information regarding radon, see the EPA's A Citizen's Guide to Radon at http://www.epa.gov/radon. MDH can be contacted at health.indoorair@state.mn.us or 651-201-4601.

GENERAL COMMENTS

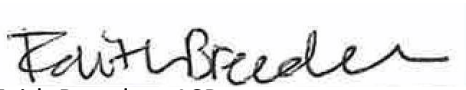
The analysis and opinions expressed in this report are based upon data obtained from continuous radon monitoring at Hastings Public Schools and are representative of the location and time period sampled. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment. It is the client's responsibility to identify and comply with local statutes regarding obligations that may exist for disclosing test results to occupants and affected third parties.

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 radon testing practices. Other than as provided in the preceding sentence and in our Proposal #13225 dated July 31, 2025, regarding radon testing services at Kennedy, Pinecrest, and Tilden, including the General Conditions attached thereto, no warranties are extended or made.

Should you require additional radon testing or have any questions regarding radon or any other health- or safety-related concerns, please do not hesitate to contact our office.

Sincerely,

IEA, Inc.



Faith Breeden, ASP
EHS Account Manager

Reviewed by:

Emma Squires-Sperling
Laboratory Director

FB/khb 03312026

Enc.

Appendix A

Quality Control Measurements

MDH and ANSI/AARST MA-MFLB 2023 Quality Control Measurements

IEA followed ANSI/AARST MA-MFLB 2023 and MDH recommendations for quality assurance measurements to ensure the accuracy of test results. Quality assurance measurements include side-by-side (comparison or duplicate) measurements.

Duplicates/comparison measurement devices are placed 4-8 inches apart for the same test period. Duplicates/comparison measurement devices are stored, placed and retrieved, in the same manner as the other measurements. Since duplicates/comparison measurements are placed side-by-side, the measured values for radon should be the same. In an environment with a radon concentration between 2 and 4 pCi/L, the average of all duplicates/comparison measurements' relative percent difference (RPD) should not exceed 25%. In an environment with a radon concentration greater than or equal to 4 pCi/L, the average of all duplicates' relative percent difference (RPD) should not exceed 14%. If they do, an investigation to identify the cause may be warranted and could include repeating the measurements. Duplicates/comparison measurement averages are listed in Table 1 below.

Table 1: Duplicate Device Measurements and Averages

Location	Test 1 (pCi/L)	Test 2 (pCi/L)	Average (pCi/L)	Difference	RPD (%)
Pinecrest Elementary - Cot Room	5.3	5.4	5.4	0.1	2

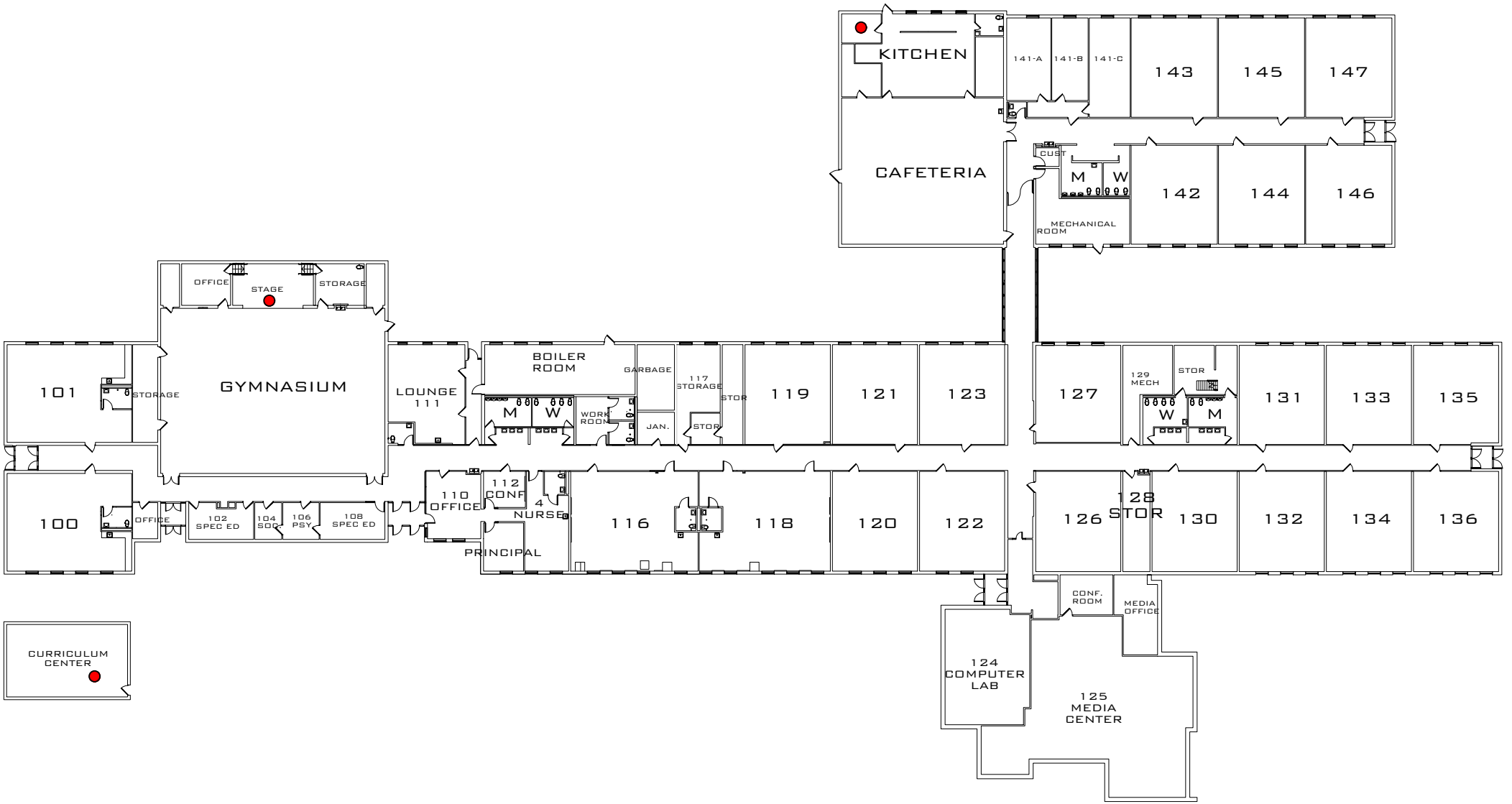
Duplicates averaging 4 pCi/L or more reach the warning limit when RPD is between 28-36% and reach the control limit when RPD exceeds 36%.

Appendix B

Maps

LEGEND

RADON DETECTOR LOCATION



INSTITUTE FOR ENVIRONMENTAL ASSESSMENT
9201 West Broadway Brooklyn Park, MN 55445
Tel: 763.315.7900 Toll Free: 800.233.9513
Fax: 763.315.7920

KENNEDY ELEMENTARY

FIRST LEVEL FLOOR PLAN | APRIL 2026

N

LEGEND

- RADON DETECTOR LOCATION
- DUPLICATE

INSTITUTE FOR ENVIRONMENTAL ASSESSMENT
9201 West Broadway Brooklyn Park, MN 55445
Tel: 763.315.7900 Toll Free: 800.233.9513
Fax: 763.315.7920

PINECREST ELEMENTARY

FIRST LEVEL FLOOR PLAN | APRIL 2026

Appendix C

Certified Radon Report:

Continuous Radon Monitor Hourly Data

Authorization Agreement & Confidentiality Waiver

Interpreting Test Results

and

Client Commitments, Advisories, and Authorizations

CERTIFIED RADON REPORT

March 25, 2026 Test Number: 2220-474

Property Inspected: 1175 Tyler St, Hastings, MN 55033

Licensed Radalink Radon Inspector:
Institute for Environmental Assessment
Jeffrey Athmann
9201 West Broadway
#600
Brooklyn Park, MN 55445
Phone: 763-315-7900
Fax:

Test performed for:
Hastings Public Schools

						Temp.	Pressure	R.H.
Calibrated:	12/08/2025 - 12/08/2026		Placed By:	Faith Breeden (MN RMEA-00538)				
Test Started:	03/23/2026	8:16 AM	Retrieved By:	Faith Breeden (MN RMEA-00538)	Min:	73.0	29.9	23
Test Ended:	03/25/2026	8:30 AM	Test Site:	Kitchen Office	Avg:	75.6	30.2	24
			Test Duration:	48 hours	Max:	77.0	30.4	27

AVERAGE RADON CONCENTRATION: 2.5 pCi/l

Test has met minimum EPA sampling duration. Uncertainty: ± 1.48%

	03/23/2026		03/24/2026		03/25/2026	
Time	pCi/l	Flags	pCi/l	Flags	pCi/l	Flags
00:16 am			3.0	P	3.7	P
01:16			4.2	P	2.5	P
02:16			4.2	P	3.0	P
03:16			4.5	P	3.2	P
04:16			3.9	P	4.5	P
05:16			3.4	P	2.9	P
06:16			3.7	P	4.1	P
07:16			4.8	P	3.8	P
08:16			2.6	P	3.0	P
09:16	1.0	P	1.8	P		
10:16	0.9	P	2.5	P		
11:16	1.3	P	1.2	P		
12:16 pm	1.2	P	1.0	P		
01:16	0.7	P	0.9	P		
02:16	1.5	P	0.8	P		
03:16	2.0	P	1.6	P		
04:16	3.1	P	2.9	P		
05:16	3.0	P	2.6	P		
06:16	2.9	P	2.0	P		
07:16	1.8	P	2.1	P		
08:16	2.6	P	1.8	P		
09:16	1.5	P	2.3	P		
10:16	2.3	P	2.7	P		
11:16	2.3	P	2.6	P		

Flags: P= AC Power Disruption; T=Tilt
Eq. = Equilization Period

ENVIRONMENTAL DATA

MONITOR-TEST NUMBER: 2220-474

Property Inspected: **1175 Tyler St**
Hastings, MN 55033

	03/23/2026			03/24/2026			03/25/2026		
Time	Temp	InHg	RH	Temp	InHg	RH	Temp	InHg	RH
00:16 am				75.0	30.2	23	77.0	30.1	27
01:16				75.0	30.2	23	77.0	30.0	27
02:16				75.0	30.2	23	77.0	30.0	23
03:16				75.0	30.2	23	77.0	30.0	23
04:16				75.0	30.2	23	77.0	30.0	23
05:16				75.0	30.2	23	77.0	29.9	23
06:16				75.0	30.2	23	77.0	29.9	23
07:16				75.0	30.2	23	77.0	29.9	23
08:16				75.0	30.2	23	77.0	29.9	23
09:16	68.0	30.4	30	75.0	30.2	23			
10:16	73.0	30.4	26	75.0	30.2	23			
11:16	73.0	30.4	23	75.0	30.2	23			
12:16 pm	75.0	30.4	23	75.0	30.2	27			
01:16	75.0	30.4	23	75.0	30.2	27			
02:16	75.0	30.4	23	75.0	30.2	26			
03:16	75.0	30.3	23	75.0	30.2	27			
04:16	75.0	30.3	23	75.0	30.1	27			
05:16	75.0	30.3	23	75.0	30.1	27			
06:16	75.0	30.3	23	77.0	30.1	27			
07:16	75.0	30.3	23	77.0	30.1	27			
08:16	75.0	30.2	23	77.0	30.1	27			
09:16	75.0	30.3	23	77.0	30.1	27			
10:16	75.0	30.2	23	77.0	30.1	27			
11:16	75.0	30.2	23	77.0	30.1	27			

AVERAGE RADON CONCENTRATION: 2.5 pCi/l

RADALINK RADON MONITORS

Reviewed and certified by

Terry Howell, Quality Assurance Mgr.
Radalink, Inc. NRPP 135791T

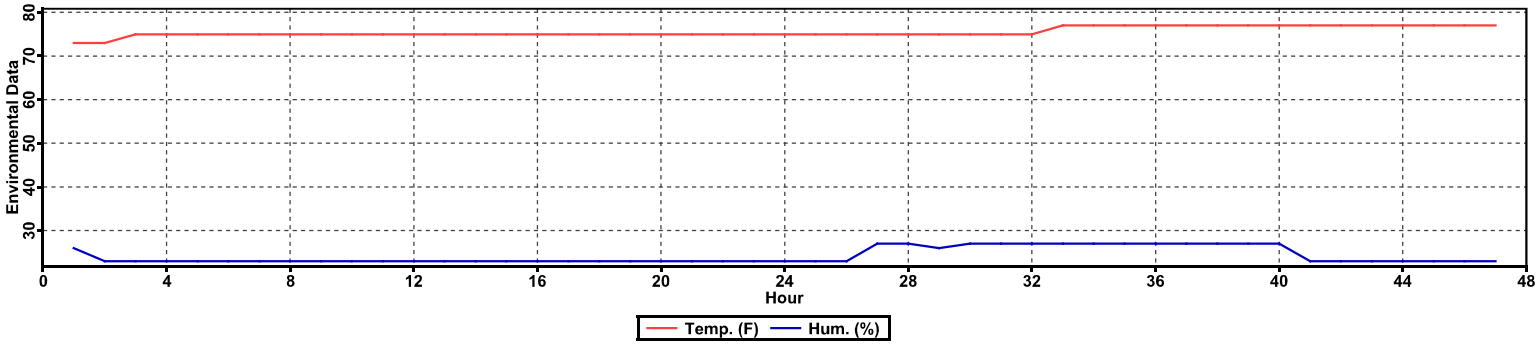
	Minimum	Average	Maximum	Variance
Temperature:	73.0	75.6	77.0	1.14
Barometric Pressure:	29.9	30.2	30.4	0.02
Relative Humidity:	23	24	27	3.29

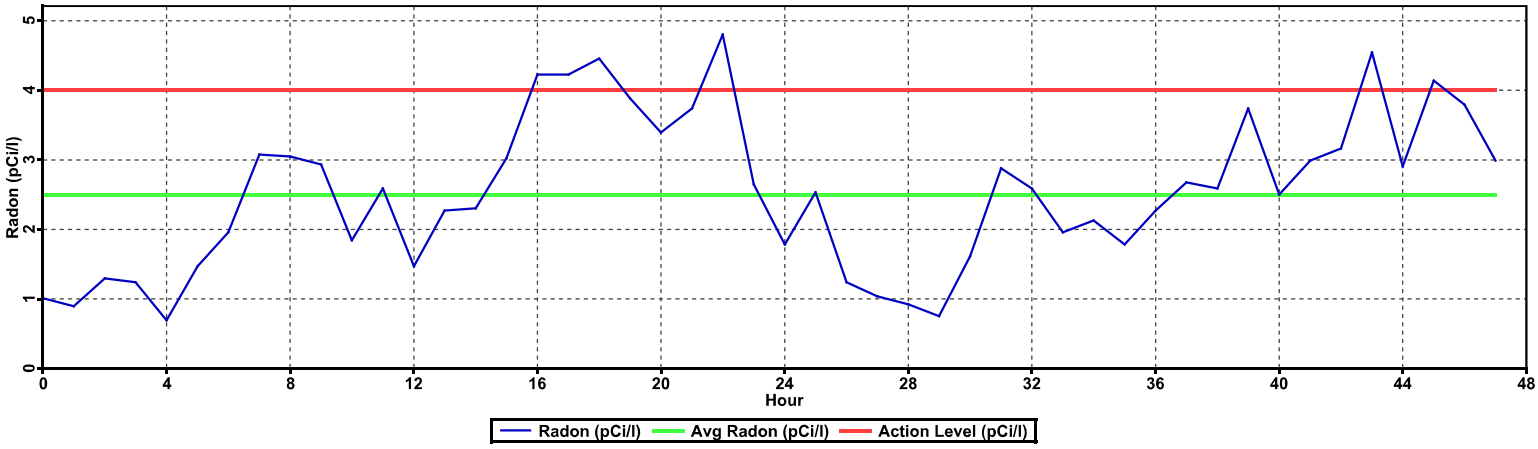
NOTE: The first hour's environmental data is excluded from the table above.

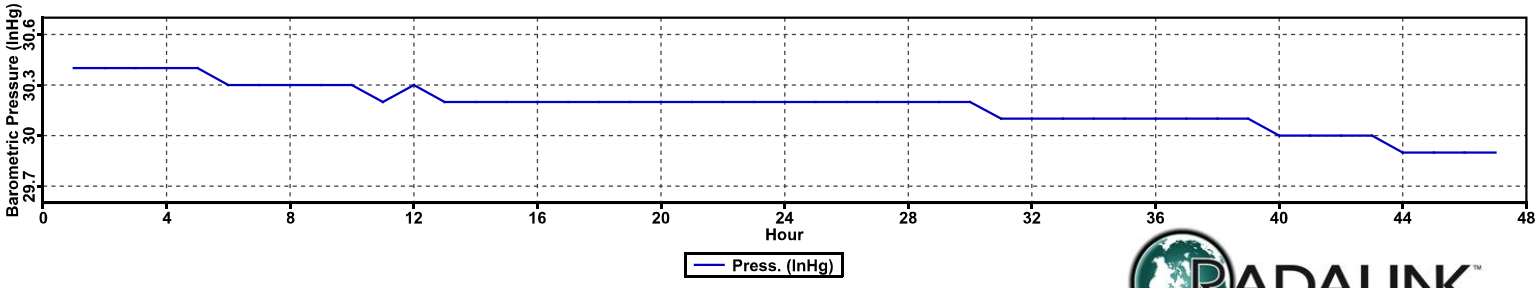
Radalink, Inc. 5599 Peachtree Road Atlanta, GA 30341 Phone: (800)295-4655

GRAPHICAL DATA VIEW

MONITOR-TEST NUMBER: 2220-474







Property Inspected: 1175 Tyler St, Hastings, MN 55033

AVERAGE RADON CONCENTRATION: 2.5 pCi/l

RADALINK™ RADON MONITORS

HOW TO INTERPRET YOUR TEST RESULTS

THIS REPORT RELATES ONLY TO THE LOCATION(S) TESTED DURING THE MEASURMENT PERIOD

These results should be interpreted in accordance with the EPA's guidance as published in EPA Publication No. 402-K-008 "*Home Buyer's and Seller's Guide to Radon*" and EPA Publication No. 402-K92-001, "*Citizen's Guide to Radon*".

Because radon is the second leading cause of lung cancer, the World Health Organization (WHO) and the U.S. Surgeon General recommend testing all homes for radon and mitigating those with an average concentration above the U.S. EPA action level of 4 picocuries per Liter (4 pCi/lL) or higher. Even if your test result is below 4 pCi/L, mitigation may provide additional reduction of the risk of lung cancer. Find more information at Radalink.com/results.

The Radalink AirCat® Monitor (NRPP Device # 00477, NRSB Device # 31815) used to perform this test is EPA, NRSB and/or NRPP approved and meets the Single Test Option requirements (EPA 402-R-93-003, Section 3.2.3) and continuous monitor time-sensitive testing (ANSI/AARST MAH 2023, Section 5.2) for conducting radon measurements and may be used for determining the necessity for radon mitigation.

Radon reduction systems work! Professionally installed radon mitigation systems can reduce the radon levels in your home by up to 99%. Thousands of people have reduced radon levels in their homes. Maintaining a radon reduction system takes little effort to keep the system working properly and the radon levels low. EPA recommends that you have a qualified contractor (NRPP, NRSB certified or state licensed) fix your home if radon levels are confirmed to be 4 pCi/L or higher. Find a licensed mitigator at Radalink.com/mitigators. For more information on how to reduce your radon health risk, contact your state radon office:

Alabama	**800-582-1866**	Illinois	**217-782-1325**	Montana	**800-546-0483**	Rhode Island	**401-222-7796**
Alaska	**800-478-8324**	Indiana	**800-272-9723**	Nebraska	**402-471-1005**	South Carolina	**803-898-3432**
Arizona	**602-255-4845**	Iowa	**800-383-5992**	Nevada	**775-336-0252**	South Dakota	**605-773-6038**
Arkansas	**501-661-2301**	Kansas	**800-693-5343**	New Hampshire	**603-271-1708**	Tennessee	**800-232-1139**
California	**800-745-7236**	Kentucky	**502-564-4856**	New Jersey	**609-984-5425**	Texas	**512-834-6688**
Colorado	**800-846-3986**	Louisiana	**225-765-0160**	New Mexico	**505-476-8600**	Utah	**800-458-0145**
Connecticut	**860-509-7300**	Maine	**207-287-5743**	New York	**800-458-1158**	Vermont	**800-439-8550**
Delaware	**302-744-4546**	Maryland	**866-703-3266**	North Carolina	**828-712-0972**	Virginia	**804-864-8161**
Washington DC	**202-535-2999**	Massachusetts	**800-723-6695**	North Dakota	**701-328-5188**	Washington	**360-236-3200**
Florida	**800-543-8279**	Michigan	**517-388-6913**	Ohio	**800-523-4439**	West Virginia	**304-352-4992**
Georgia	**706-583-0602**	Minnesota	**800-798-9050**	Oklahoma	**405-702-5162**	Wisconsin	**888-569-7236**
Hawaii	**808-586-4700**	Mississippi	**800-626-7739**	Oregon	**971-673-0440**	Wyoming	**307-777-6015**
Idaho	**800-445-8647**	Missouri	**866-628-9891**	Pennsylvania	**800-237-2366**		

USEPA Radon Program website: www.epa.gov/radon and radon hotline 800-767-7236

SURGEON GENERAL HEALTH ADVISORY: "Indoor radon is the second-leading cause of lung cancer in the U.S. and breathing it over prolonged periods can present a significant health risk to families all over the country. More than 20,000 Americans die of radon-related lung cancer every year. It's important to know that this threat is completely preventable. Radon can be detected with a simple test and fixed through well-established venting techniques."

CONSUMER FEDERATION OF AMERICA: "Consumers need to know about the health of a house they are considering purchasing, including whether there is a radon problem, and if so, how to fix it." *The EPA Home Buyer's and Sellers Guide to Radon* provides practical consumer information that every homebuyer needs to know.

FLORIDA NOTICE TO CLIENTS: An organization or individual certified by the Florida Dept. of Health to perform radon or radon progeny measurements or radon mitigation services provides this Notice to you. Any questions, comments, or complaints regarding the persons performing these measurement or mitigation services may be directed to the Florida Dept. of Health, Bureau of Facility Programs, Radon Indoor Air Quality, 4052 Bald Cypress Way, Bin #A08, Tallahassee, Florida 32399-1710.

***Florida Dept. of Health contact:* 800-543-8279**

MAINE NOTICE TO CLIENTS: As per 22 MRSA, Sec. 771, results of this test will be reported to the Maine Dept. of Health and Human Services. Any questions, comments, or complaints concerning individuals or firms providing radon related services in Maine should be directed to: Radiation Control Program 11 State House Station Augusta, ME 04333-0010

***Maine Dept. of Health contact:* 207-287-5743**

PENNSYLVANIA NOTICE TO CLIENTS: The Radon Certification Act requires that anyone who provides radon-related service or product to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments or complaints concerning persons who provide radon-related services, please contact the Department at the Bureau of Radiation Protection, Dept. Of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469.

***Department at the Bureau of Radiation Protection:* 717-783-3594**

RHODE ISLAND NOTICE TO CLIENTS: This notice is provided to you by an organization or individual licenses and/or certified by the Rhode Island Dept. of Health to perform radon measurements. Any questions, comments, or complaints regarding the person performing these measurements may be directed to the RI Dept. of Health, Radon Control Program, 3 Capitol Hill Room 206, Providence RI 02908-5097

***Rhode Island Dept. of Health contact:* 401-222-7796**

Revision: December 2025

CERTIFIED RADON REPORT

March 25, 2026 Test Number: 2395-401

Property Inspected: 1175 Tyler St, Hastings, MN 55033

Licensed Radalink Radon Inspector:
Institute for Environmental Assessment
Jeffrey Athmann
9201 West Broadway
#600
Brooklyn Park, MN 55445
Phone: 763-315-7900
Fax:

Test performed for:
Hastings Public Schools

						Temp.	Pressure	R.H.
Calibrated:	12/08/2025 - 12/08/2026		Placed By:	Faith Breeden (MN RMEA-00538)				
Test Started:	03/23/2026	8:10 AM	Retrieved By:	Faith Breeden (MN RMEA-00538)	Min:	68.0	29.8	26
Test Ended:	03/25/2026	8:18 AM	Test Site:	Stage	Avg:	70.9	30.1	28
			Test Duration:	48 hours	Max:	73.0	30.4	30

AVERAGE RADON CONCENTRATION: 2.3 pCi/l

Test has met minimum EPA sampling duration. Uncertainty: ± 1.70%

	03/23/2026		03/24/2026		03/25/2026	
Time	pCi/l	Flags	pCi/l	Flags	pCi/l	Flags
00:10 am			2.3	P	2.3	P
01:10			2.4	P	1.7	P
02:10			2.5	P	3.0	P
03:10			2.4	P	3.0	P
04:10			2.3	P	2.2	P
05:10			2.8	P	2.9	P
06:10			3.1	P	2.9	P
07:10			3.3	P	2.7	P
08:10			3.6	P	2.8	P
09:10	1.0	P	2.9	P		
10:10	1.5	P	2.7	P		
11:10	1.4	P	3.6	P		
12:10 pm	1.9	P	2.6	P		
01:10	2.8	P	2.4	P		
02:10	1.4	P	2.2	P		
03:10	2.3	P	2.6	P		
04:10	2.2	P	2.4	P		
05:10	2.3	P	2.4	P		
06:10	3.3	P	1.2	P		
07:10	2.0	P	2.3	P		
08:10	2.2	P	1.7	P		
09:10	2.0	P	1.2	P		
10:10	1.9	P	1.6	P		
11:10	2.7	P	1.9	P		

Flags: P= AC Power Disruption; T=Tilt
Eq. = Equilization Period

ENVIRONMENTAL DATA

MONITOR-TEST NUMBER: 2395-401

Property Inspected: **1175 Tyler St**
Hastings, MN 55033

	03/23/2026			03/24/2026			03/25/2026		
Time	Temp	InHg	RH	Temp	InHg	RH	Temp	InHg	RH
00:10 am				71.0	30.2	26	71.0	30.0	30
01:10				71.0	30.1	26	71.0	30.0	30
02:10				71.0	30.1	26	71.0	30.0	30
03:10				71.0	30.1	26	71.0	29.9	30
04:10				71.0	30.1	26	71.0	29.9	30
05:10				71.0	30.1	26	71.0	29.9	30
06:10				71.0	30.1	26	71.0	29.8	30
07:10				71.0	30.1	26	71.0	29.8	26
08:10				71.0	30.1	26	71.0	29.8	30
09:10	66.0	30.3	30	71.0	30.1	26			
10:10	68.0	30.3	30	71.0	30.1	26			
11:10	69.0	30.4	30	71.0	30.1	26			
12:10 pm	71.0	30.3	30	71.0	30.1	30			
01:10	71.0	30.3	30	71.0	30.1	30			
02:10	71.0	30.3	30	71.0	30.1	30			
03:10	71.0	30.3	30	71.0	30.1	30			
04:10	71.0	30.2	30	71.0	30.1	30			
05:10	71.0	30.2	26	71.0	30.1	30			
06:10	71.0	30.2	26	71.0	30.0	30			
07:10	71.0	30.2	26	71.0	30.0	30			
08:10	71.0	30.2	26	71.0	30.0	30			
09:10	71.0	30.2	26	71.0	30.0	30			
10:10	71.0	30.2	26	73.0	30.0	30			
11:10	71.0	30.2	26	71.0	30.0	30			

AVERAGE RADON CONCENTRATION: 2.3 pCi/l

	Minimum	Average	Maximum	Variance
Temperature:	68.0	70.9	73.0	0.36
Barometric Pressure:	29.8	30.1	30.4	0.02
Relative Humidity:	26	28	30	3.91

NOTE: The first hour's environmental data is excluded from the table above.

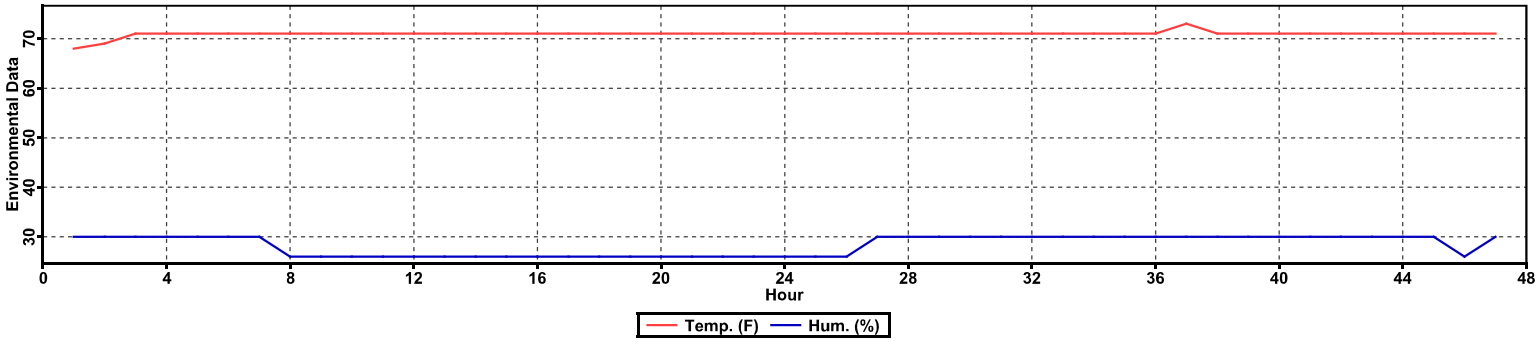
RADALINK RADON MONITORS

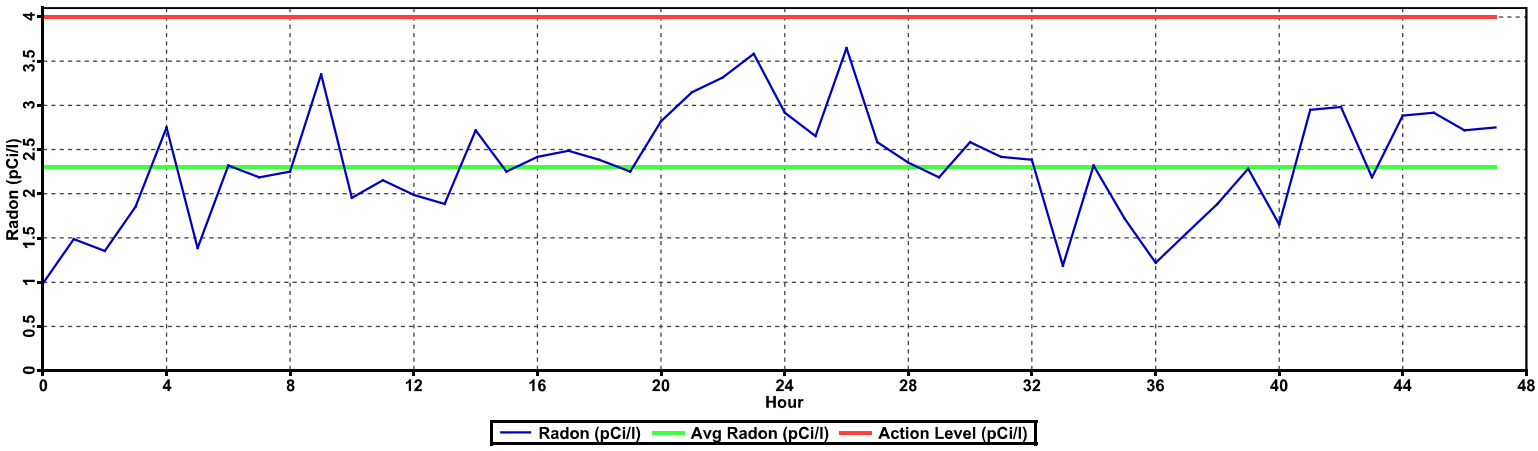
Reviewed and certified by

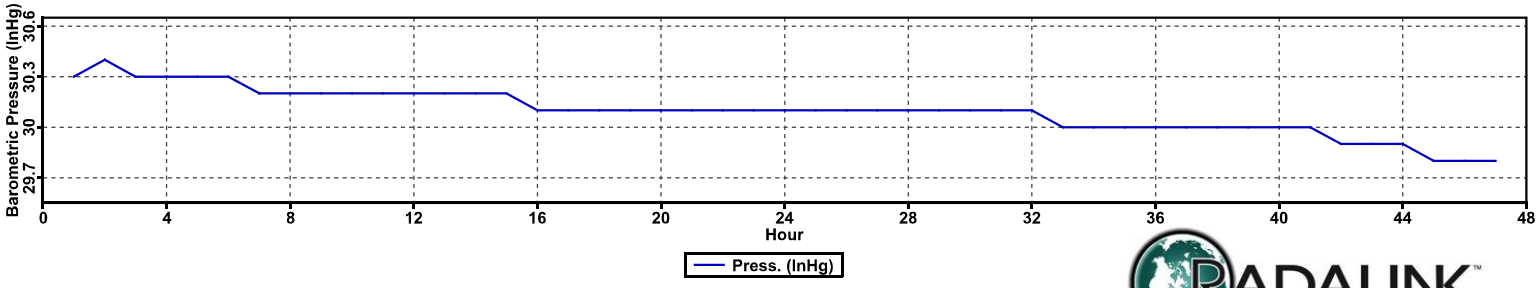
Terry Howell, Quality Assurance Mgr.
Radalink, Inc. NRPP 135791T

Radalink, Inc. 5599 Peachtree Road Atlanta, GA 30341 Phone: (800)295-4655

GRAPHICAL DATA VIEW **MONITOR-TEST NUMBER: 2395-401**







Property Inspected: 1175 Tyler St, Hastings, MN 55033

AVERAGE RADON CONCENTRATION: 2.3 pCi/l

RADALINK™ RADON MONITORS

CERTIFIED RADON REPORT

March 25, 2026 Test Number: 2568-319

Property Inspected: 1175 Tyler St, Hastings, MN 55033

Licensed Radalink Radon Inspector:
Institute for Environmental Assessment
Jeffrey Athmann
9201 West Broadway
#600
Brooklyn Park, MN 55445
Phone: 763-315-7900
Fax:

Test performed for:
Hastings Public Schools

					Temp.	Pressure	R.H.
Calibrated:	11/04/2025 - 11/04/2026	Placed By:	Faith Breeden (MN RMEA-00538)				
Test Started:	03/23/2026 8:23 AM	Retrieved By:	Faith Breeden (MN RMEA-00538)	Min:	68.0	29.8	26
Test Ended:	03/25/2026 8:25 AM	Test Site:	Curriculum Center	Avg:	70.5	30.1	27
		Test Duration:	48 hours	Max:	71.0	30.4	30

AVERAGE RADON CONCENTRATION: 6.2 pCi/l

Test has met minimum EPA sampling duration. Uncertainty: ± 1.16%

	03/23/2026		03/24/2026		03/25/2026	
Time	pCi/l	Flags	pCi/l	Flags	pCi/l	Flags
00:23 am			6.8		5.4	
01:23			6.0		5.9	
02:23			5.6		6.6	
03:23			4.9		7.0	
04:23			7.7		6.3	
05:23			4.6		6.8	
06:23			3.8		6.0	
07:23			4.6		7.3	
08:23			7.3		9.1	
09:23	2.3		7.4			
10:23	4.9		5.6			
11:23	6.3		5.1			
12:23 pm	4.6		7.3			
01:23	6.7		7.6			
02:23	8.8		6.6			
03:23	7.4		7.8			
04:23	5.5		6.7			
05:23	7.3		4.8			
06:23	6.8		5.3			
07:23	6.8		6.5			
08:23	4.8		5.6			
09:23	6.1		5.9			
10:23	4.3		7.6			
11:23	4.2		7.9			

Flags: P= AC Power Disruption; T=Tilt
Eq. = Equilization Period

ENVIRONMENTAL DATA

MONITOR-TEST NUMBER: 2568-319

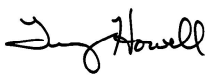
Property Inspected: **1175 Tyler St**
Hastings, MN 55033

	03/23/2026			03/24/2026			03/25/2026		
Time	Temp	InHg	RH	Temp	InHg	RH	Temp	InHg	RH
00:23 am				71.0	30.2	27	71.0	30.0	26
01:23				71.0	30.2	27	71.0	30.0	26
02:23				71.0	30.1	27	71.0	30.0	26
03:23				71.0	30.1	27	71.0	29.9	26
04:23				71.0	30.1	27	71.0	29.9	26
05:23				71.0	30.1	27	71.0	29.9	26
06:23				71.0	30.1	27	71.0	29.9	26
07:23				71.0	30.1	27	71.0	29.8	26
08:23				71.0	30.1	27	71.0	29.8	26
09:23	66.0	30.3	30	71.0	30.1	27			
10:23	68.0	30.4	30	71.0	30.2	27			
11:23	69.0	30.4	26	71.0	30.1	27			
12:23 pm	69.0	30.4	26	71.0	30.1	27			
01:23	69.0	30.3	26	71.0	30.1	27			
02:23	69.0	30.3	26	71.0	30.1	27			
03:23	69.0	30.3	27	71.0	30.1	27			
04:23	69.0	30.2	27	71.0	30.1	27			
05:23	69.0	30.2	27	71.0	30.1	26			
06:23	69.0	30.2	27	71.0	30.1	26			
07:23	69.0	30.2	27	71.0	30.1	26			
08:23	69.0	30.2	27	71.0	30.1	26			
09:23	69.0	30.2	27	71.0	30.0	26			
10:23	71.0	30.2	27	71.0	30.0	26			
11:23	71.0	30.2	27	71.0	30.0	26			

AVERAGE RADON CONCENTRATION: 6.2 pCi/l

RADALINK™ RADON MONITORS

Reviewed and certified by



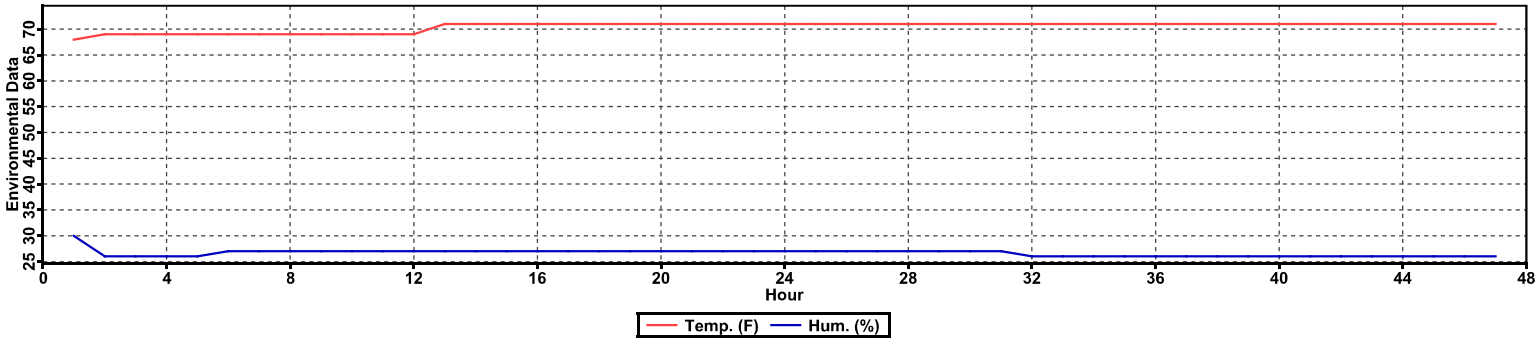
Terry Howell, Quality Assurance Mgr.
Radalink, Inc. NRPP 135791T

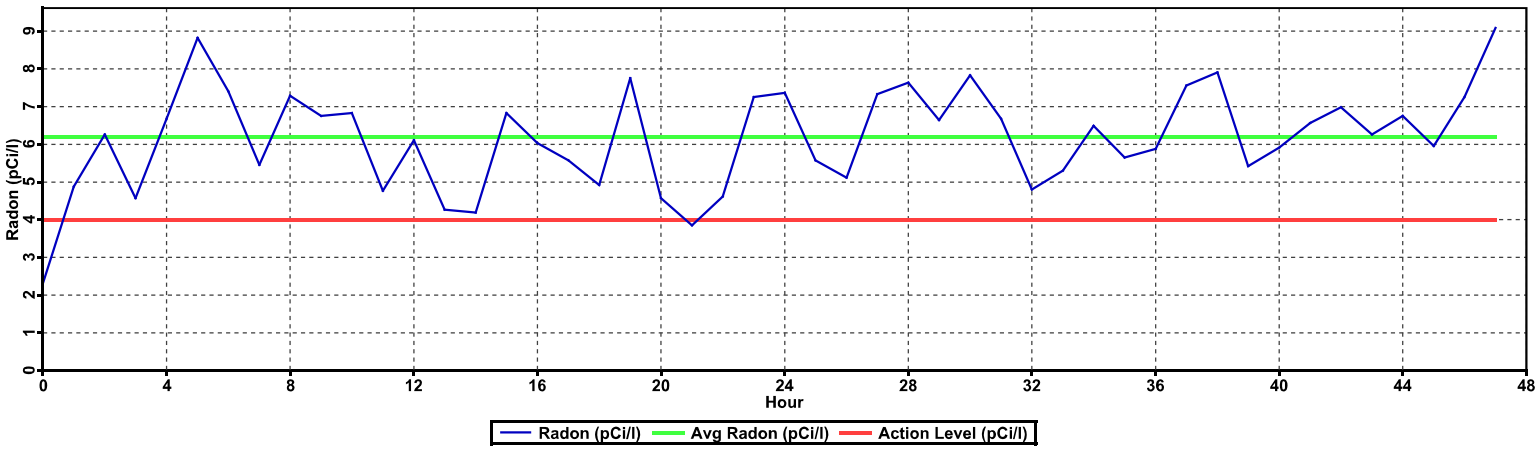
	Minimum	Average	Maximum	Variance
Temperature:	68.0	70.5	71.0	0.85
Barometric Pressure:	29.8	30.1	30.4	0.02
Relative Humidity:	26	27	30	0.49

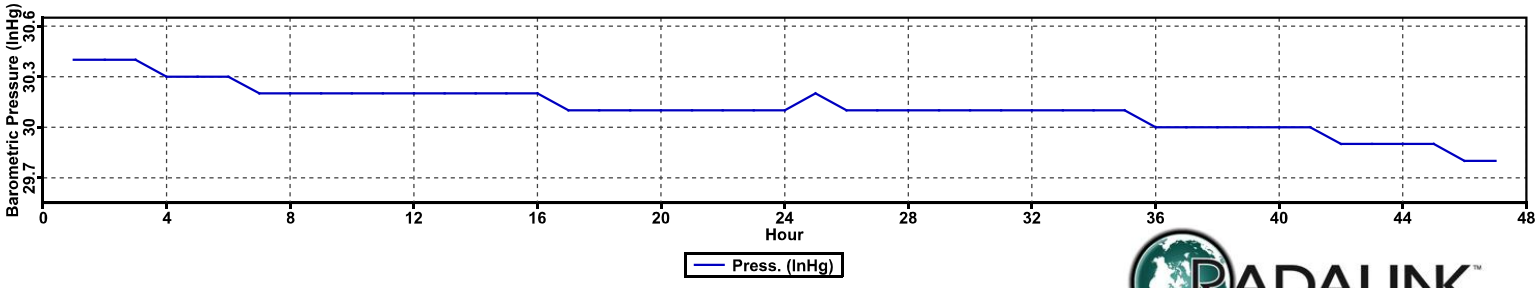
NOTE: The first hour's environmental data is excluded from the table above.

Radalink, Inc. 5599 Peachtree Road Atlanta, GA 30341 Phone: (800)295-4655

GRAPHICAL DATA VIEW **MONITOR-TEST NUMBER: 2568-319**







Property Inspected: 1175 Tyler St, Hastings, MN 55033

AVERAGE RADON CONCENTRATION: 6.2 pCi/l

RADALINK™ RADON MONITORS

IMPORTANT NOTICE

IF YOUR RADON TEST RESULT IS AT OR ABOVE EPA's 4.0 pCi/L ACTION LEVEL

THE EPA AND YOUR STATE RADON PROGRAM RECOMMEND THIS HOME BE MITIGATED

If the average radon concentration in the home tested is at or above EPA's 4.0 pCi/L Action Level, mitigation is recommended. EPA and Radalink recommend either a state licensed (where applicable) or a NRPP or NRSB Certified radon mitigator to perform the system installation.

An Independent Post Mitigation Clearance Test

Upon completion of the work, the EPA recommends that you have an **independent** post-mitigation test performed. If the current owners are hiring the mitigation contractor, notify them prior to the installation that you intend to have your Radalink affiliated radon professional perform the post mitigation test. (Call your Radalink affiliate for service prices and details.) According to EPA and state protocol, the test can be conducted after the remediation system has been running continuously for 24 hours. Find out when the work will be completed and inform your Radalink affiliate so the test can be scheduled as soon as possible.

Make Sure the Installation Meets EPA Mitigation Standards

For your added protection, many Radalink affiliates inspect the mitigation systems to ensure they meet the EPA Mitigation Standards or state requirements and provide you with a completed Checklist Inspection Report.

Call Your Radalink Affiliate for Service Prices and Details.

RADALINK™
RADON MONITORING SYSTEMS

www.radalink.com

CERTIFIED RADON REPORT

March 25, 2026 Test Number: 2998-221

Property Inspected: **975 12th Street West, Hastings, MN 55033**

Licensed Radalink Radon Inspector:
Institute for Environmental Assessment
Jeffrey Athmann
9201 West Broadway
#600
Brooklyn Park, MN 55445
Phone: 763-315-7900
Fax:

Test performed for:
Hastings Public Schools

						Temp.	Pressure	R.H.
Calibrated:	10/29/2025 - 10/29/2026		Placed By:	Faith Breeden (MN RMEA-00538)				
Test Started:	03/23/2026	7:39 AM	Retrieved By:	Faith Breeden (MN RMEA-00538)	Min:	66.0	29.7	26
Test Ended:	03/25/2026	8:02 AM	Test Site:	Gym Office	Avg:	68.0	30.0	29
			Test Duration:	48 hours	Max:	68.0	30.3	30

AVERAGE RADON CONCENTRATION: 3.5 pCi/l

Test has met minimum EPA sampling duration. Uncertainty: ± 1.40%

	03/23/2026		03/24/2026		03/25/2026	
Time	pCi/l	Flags	pCi/l	Flags	pCi/l	Flags
00:39 am			5.1	P	3.3	P
01:39			3.3	P	4.2	P
02:39			3.8	P	5.6	P
03:39			4.3	P	8.3	P
04:39			5.9	P	8.6	P
05:39			5.4	P	7.8	P
06:39			4.0	P	7.4	P
07:39			4.3	P	8.7	P
08:39	1.0	P	3.0	P		
09:39	1.2	P	3.2	P		
10:39	1.1	P	3.1	P		
11:39	0.7	P	2.4	P		
12:39 pm	1.4	P	2.2	P		
01:39	1.4	P	2.8	P		
02:39	1.7	P	3.7	P		
03:39	1.9	P	3.4	P		
04:39	2.6	P	2.6	P		
05:39	3.1	P	3.2	P		
06:39	2.5	P	2.9	P		
07:39	2.9	P	4.0	P		
08:39	4.5	P	2.0	P		
09:39	3.2	P	2.4	P		
10:39	2.4	P	1.8	P		
11:39	3.0	P	2.7	P		

Flags: P= AC Power Disruption; T=Tilt
Eq. = Equilization Period

ENVIRONMENTAL DATA

MONITOR-TEST NUMBER: 2998-221

Property Inspected: **975 12th Street West**
Hastings, MN 55033

	03/23/2026			03/24/2026			03/25/2026		
Time	Temp	InHg	RH	Temp	InHg	RH	Temp	InHg	RH
00:39 am				68.0	30.1	30	68.0	29.9	30
01:39				68.0	30.0	30	68.0	29.9	30
02:39				68.0	30.0	30	68.0	29.8	30
03:39				68.0	30.0	30	68.0	29.8	30
04:39				68.0	30.0	26	68.0	29.8	30
05:39				68.0	30.0	26	68.0	29.8	30
06:39				68.0	30.0	26	68.0	29.8	30
07:39				68.0	30.0	26	68.0	29.7	30
08:39	66.0	30.2	30	68.0	30.0	30			
09:39	66.0	30.2	30	68.0	30.0	30			
10:39	68.0	30.3	26	68.0	30.0	30			
11:39	68.0	30.3	26	68.0	30.0	30			
12:39 pm	68.0	30.2	27	68.0	30.0	30			
01:39	68.0	30.2	26	68.0	30.0	30			
02:39	68.0	30.2	26	68.0	30.0	30			
03:39	68.0	30.2	26	68.0	30.0	30			
04:39	68.0	30.1	27	68.0	30.0	30			
05:39	68.0	30.1	26	68.0	30.0	30			
06:39	68.0	30.1	26	68.0	30.0	30			
07:39	68.0	30.1	26	68.0	29.9	30			
08:39	68.0	30.1	26	68.0	30.0	30			
09:39	68.0	30.1	26	68.0	30.0	30			
10:39	68.0	30.1	26	68.0	29.9	30			
11:39	68.0	30.1	30	68.0	29.9	30			

AVERAGE RADON CONCENTRATION: 3.5 pCi/l

RADALINK™ RADON MONITORS

Reviewed and certified by

Terry Howell, Quality Assurance Mgr.
Radalink, Inc. NRPP 135791T

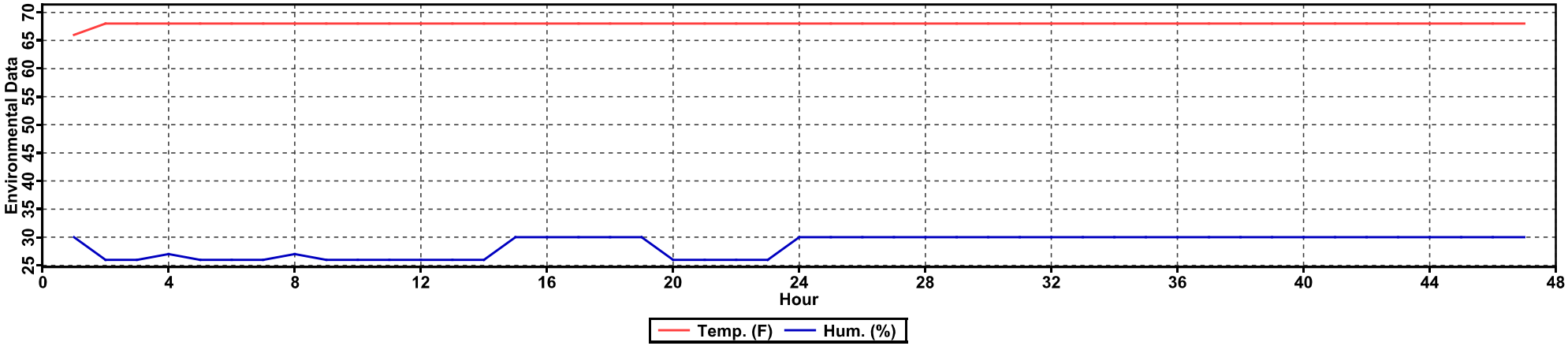
	Minimum	Average	Maximum	Variance
Temperature:	66.0	68.0	68.0	0.09
Barometric Pressure:	29.7	30.0	30.3	0.02
Relative Humidity:	26	29	30	3.52

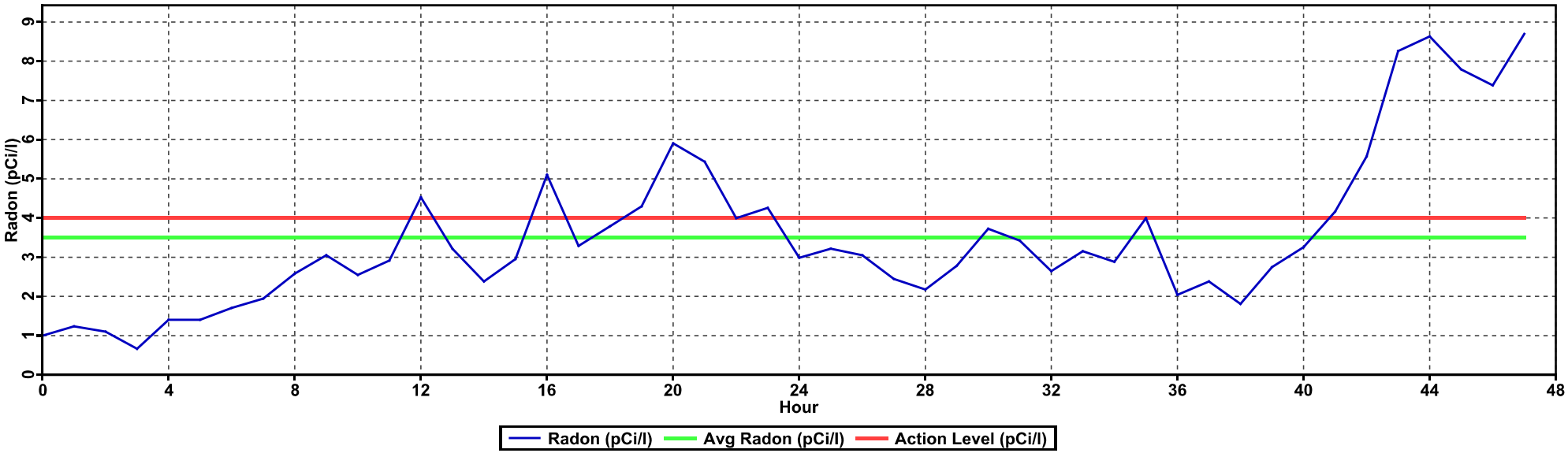
NOTE: The first hour's environmental data is excluded from the table above.

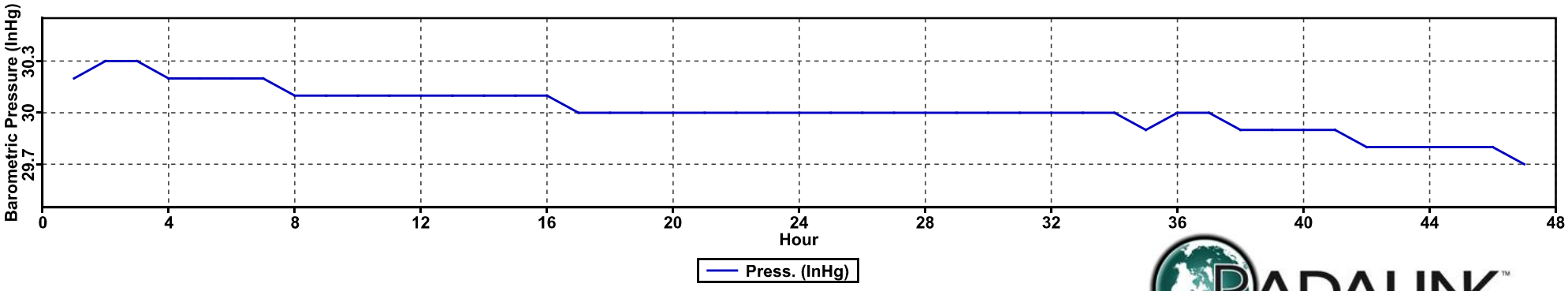
Radalink, Inc. 5599 Peachtree Road Atlanta, GA 30341 Phone: (800)295-4655

GRAPHICAL DATA VIEW

MONITOR-TEST NUMBER: 2998-221







Property Inspected: 975 12th Street West, Hastings, MN 55033

AVERAGE RADON CONCENTRATION: 3.5 pCi/l

RADALINK™ RADON MONITORS

CERTIFIED RADON REPORT

March 25, 2026 Test Number: 2519-337

Property Inspected: **975 12th Street West, Hastings, MN 55033**

Licensed Radalink Radon Inspector:
Institute for Environmental Assessment
Jeffrey Athmann
9201 West Broadway
#600
Brooklyn Park, MN 55445
Phone: 763-315-7900
Fax:

Test performed for:
Hastings Public Schools

						Temp.	Pressure	R.H.
Calibrated:	12/08/2025 - 12/08/2026		Placed By:	Faith Breeden (MN RMEA-00538)				
Test Started:	03/23/2026	7:42 AM	Retrieved By:	Faith Breeden (MN RMEA-00538)	Min:	68.0	29.8	23
Test Ended:	03/25/2026	8:04 AM	Test Site:	Cot Room	Avg:	71.2	30.1	26
			Test Duration:	48 hours	Max:	73.0	30.3	30

AVERAGE RADON CONCENTRATION: 5.3 pCi/l

Test has met minimum EPA sampling duration. Uncertainty: ± 1.11%

	03/23/2026		03/24/2026		03/25/2026	
Time	pCi/l	Flags	pCi/l	Flags	pCi/l	Flags
00:42 am			11.1	P	9.2	P
01:42			10.2	P	11.6	P
02:42			16.6	P	16.7	P
03:42			19.9	P	19.8	P
04:42			13.0	P	22.8	P
05:42			9.0	P	11.4	P
06:42			2.3	P	6.3	P
07:42			0.9	P	2.6	P
08:42	0.0	P	0.8	P		
09:42	0.6	P	0.0	P		
10:42	0.7	P	0.9	P		
11:42	1.4	P	1.3	P		
12:42 pm	0.8	P	0.8	P		
01:42	1.6	P	1.6	P		
02:42	0.0	P	1.7	P		
03:42	0.9	P	1.2	P		
04:42	0.8	P	1.1	P		
05:42	1.1	P	0.9	P		
06:42	1.2	P	1.0	P		
07:42	1.4	P	0.8	P		
08:42	3.1	P	3.6	P		
09:42	6.1	P	4.6	P		
10:42	5.7	P	8.7	P		
11:42	10.4	P	8.9	P		

Flags: P= AC Power Disruption; T=Tilt
Eq. = Equilization Period

ENVIRONMENTAL DATA

MONITOR-TEST NUMBER: 2519-337

Property Inspected: **975 12th Street West**
Hastings, MN 55033

	03/23/2026			03/24/2026			03/25/2026		
Time	Temp	InHg	RH	Temp	InHg	RH	Temp	InHg	RH
00:42 am				73.0	30.1	26	73.0	30.0	30
01:42				73.0	30.1	26	73.0	29.9	26
02:42				73.0	30.1	26	73.0	29.9	26
03:42				73.0	30.1	26	73.0	29.9	26
04:42				73.0	30.1	27	73.0	29.8	27
05:42				73.0	30.1	23	73.0	29.8	27
06:42				71.0	30.1	23	73.0	29.8	27
07:42				71.0	30.1	23	73.0	29.8	27
08:42	66.0	30.3	30	71.0	30.1	27			
09:42	68.0	30.3	30	71.0	30.1	27			
10:42	69.0	30.3	26	71.0	30.1	26			
11:42	69.0	30.3	27	71.0	30.1	26			
12:42 pm	69.0	30.3	27	71.0	30.1	26			
01:42	69.0	30.3	27	71.0	30.1	26			
02:42	69.0	30.2	27	71.0	30.1	26			
03:42	69.0	30.2	23	69.0	30.0	26			
04:42	69.0	30.2	23	71.0	30.0	27			
05:42	69.0	30.2	23	71.0	30.0	27			
06:42	69.0	30.2	27	71.0	30.0	27			
07:42	69.0	30.2	27	71.0	30.0	26			
08:42	71.0	30.2	27	71.0	30.0	26			
09:42	71.0	30.2	26	73.0	30.0	30			
10:42	71.0	30.2	26	73.0	30.0	30			
11:42	71.0	30.1	26	73.0	30.0	30			

AVERAGE RADON CONCENTRATION: 5.3 pCi/l

RADALINK™ RADON MONITORS

Reviewed and certified by

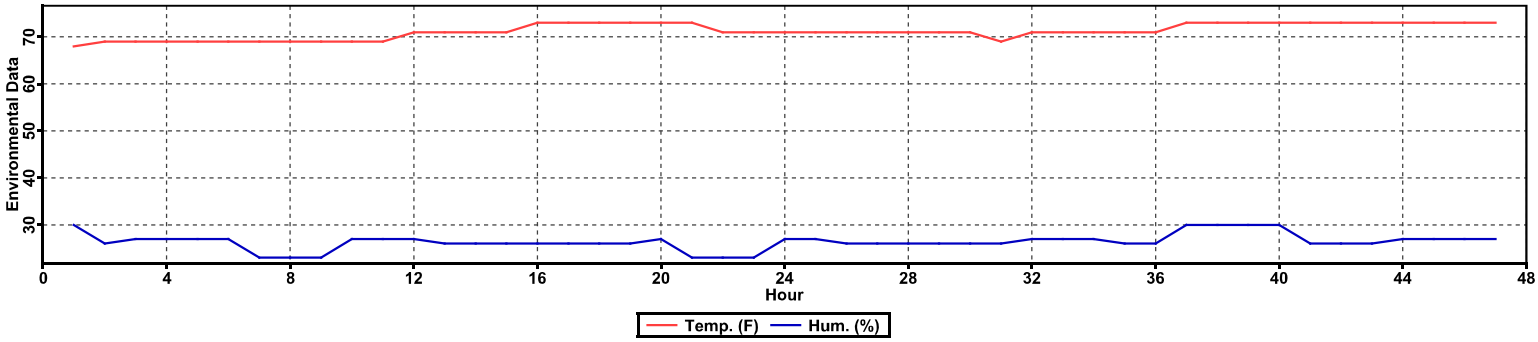
Terry Howell, Quality Assurance Mgr.
Radalink, Inc. NRPP 135791T

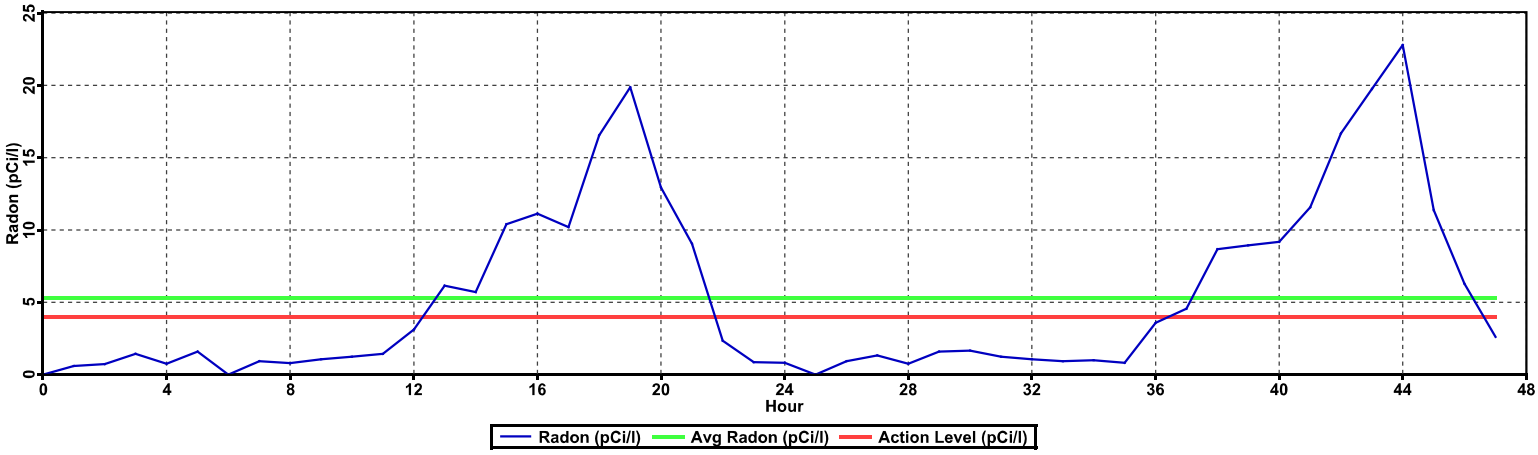
	Minimum	Average	Maximum	Variance
Temperature:	68.0	71.2	73.0	2.54
Barometric Pressure:	29.8	30.1	30.3	0.02
Relative Humidity:	23	26	30	3.05

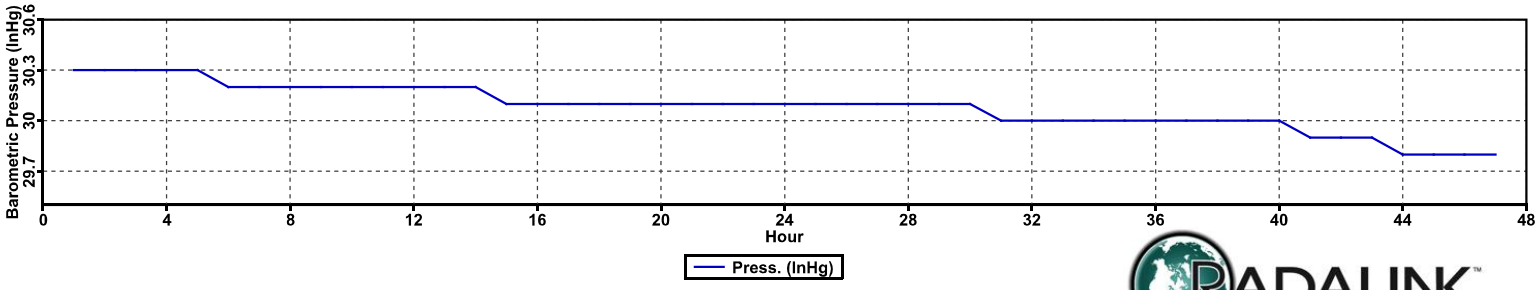
NOTE: The first hour's environmental data is excluded from the table above.

Radalink, Inc. 5599 Peachtree Road Atlanta, GA 30341 Phone: (800)295-4655

GRAPHICAL DATA VIEW **MONITOR-TEST NUMBER: 2519-337**







Property Inspected: 975 12th Street West, Hastings, MN 55033

AVERAGE RADON CONCENTRATION: 5.3 pCi/l

RADALINK™ RADON MONITORS

CERTIFIED RADON REPORT

March 25, 2026 Test Number: 2918-212

Property Inspected: **975 West 12th Street, Hastings, MN 55033**

Licensed Radalink Radon Inspector:
Institute for Environmental Assessment
Jeffrey Athmann
9201 West Broadway
#600
Brooklyn Park, MN 55445
Phone: 763-315-7900
Fax:

Test performed for:
Hastings Public Schools

					Temp.	Pressure	R.H.
Calibrated:	07/01/2025 - 07/01/2026	Placed By:	Faith Breeden (MN RMEA-00538)				
Test Started:	03/23/2026 7:51 AM	Retrieved By:	Faith Breeden (MN RMEA-00538)	Min:	69.0	29.8	23
Test Ended:	03/25/2026 8:03 AM	Test Site:	Cot Room	Avg:	71.6	30.0	27
		Test Duration:	48 hours	Max:	75.0	30.3	30

AVERAGE RADON CONCENTRATION: 5.4 pCi/l

Test has met minimum EPA sampling duration. Uncertainty: ± 1.24%

	03/23/2026		03/24/2026		03/25/2026	
Time	pCi/l	Flags	pCi/l	Flags	pCi/l	Flags
00:51 am			8.4	P	12.0	P
01:51			12.5	P	14.0	P
02:51			14.1	P	15.2	P
03:51			18.3	P	20.4	P
04:51			14.8	P	17.7	P
05:51			5.8	P	9.7	P
06:51			2.7	P	4.3	P
07:51			2.2	P	2.4	P
08:51	0.7	P	1.5	P		
09:51	1.2	P	0.7	P		
10:51	0.9	P	2.4	P		
11:51	1.5	P	1.2	P		
12:51 pm	1.1	P	2.4	P		
01:51	0.4	P	2.4	P		
02:51	0.8	P	1.7	P		
03:51	0.5	P	1.8	P		
04:51	1.0	P	0.9	P		
05:51	0.3	P	1.5	P		
06:51	0.9	P	0.7	P		
07:51	1.5	P	1.0	P		
08:51	3.6	P	3.6	P		
09:51	5.6	P	6.8	P		
10:51	7.6	P	9.3	P		
11:51	9.5	P	11.7	P		

Flags: P= AC Power Disruption; T=Tilt
Eq. = Equilization Period

ENVIRONMENTAL DATA

MONITOR-TEST NUMBER: 2918-212

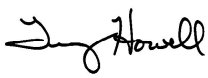
Property Inspected: **975 West 12th Street**
Hastings, MN 55033

	03/23/2026			03/24/2026			03/25/2026		
Time	Temp	InHg	RH	Temp	InHg	RH	Temp	InHg	RH
00:51 am				73.0	30.1	26	75.0	29.9	30
01:51				73.0	30.0	26	75.0	29.9	30
02:51				73.0	30.0	26	75.0	29.8	30
03:51				73.0	30.0	26	75.0	29.8	26
04:51				73.0	30.0	27	75.0	29.8	27
05:51				73.0	30.0	23	73.0	29.8	27
06:51				71.0	30.0	23	73.0	29.8	27
07:51				71.0	30.0	23	73.0	29.8	27
08:51	66.0	30.2	30	71.0	30.0	27			
09:51	69.0	30.2	30	71.0	30.0	26			
10:51	69.0	30.3	26	71.0	30.0	26			
11:51	69.0	30.2	27	71.0	30.0	26			
12:51 pm	71.0	30.2	27	71.0	30.0	30			
01:51	69.0	30.2	27	71.0	30.0	26			
02:51	69.0	30.2	23	71.0	30.0	26			
03:51	69.0	30.2	23	71.0	30.0	26			
04:51	69.0	30.1	23	71.0	30.0	26			
05:51	69.0	30.1	23	71.0	30.0	27			
06:51	69.0	30.1	27	71.0	30.0	27			
07:51	71.0	30.1	27	71.0	30.0	26			
08:51	71.0	30.1	26	71.0	29.9	26			
09:51	71.0	30.1	26	73.0	29.9	30			
10:51	73.0	30.1	26	73.0	29.9	30			
11:51	73.0	30.1	26	73.0	29.9	30			

AVERAGE RADON CONCENTRATION: 5.4 pCi/l

RADALINK™ RADON MONITORS

Reviewed and certified by



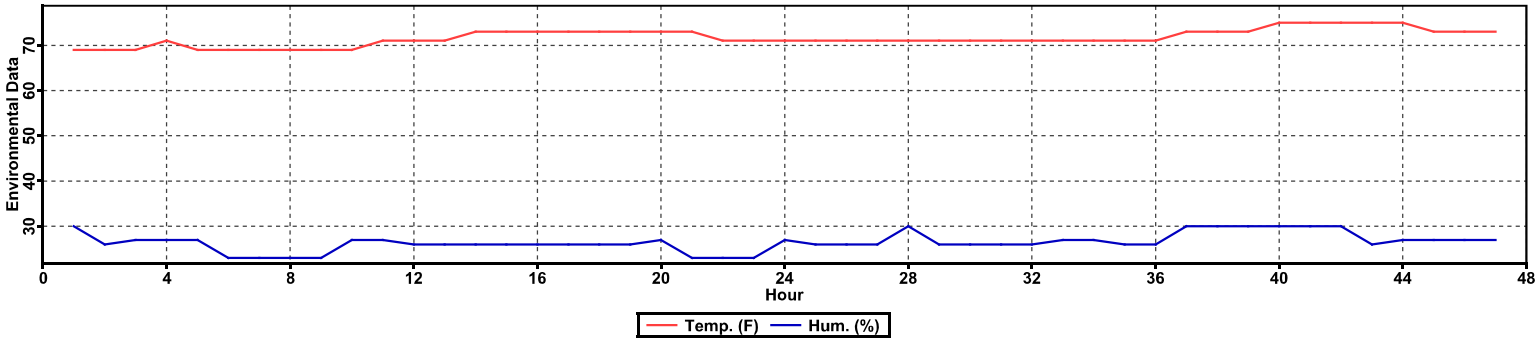
Terry Howell, Quality Assurance Mgr.
Radalink, Inc. NRPP 135791T

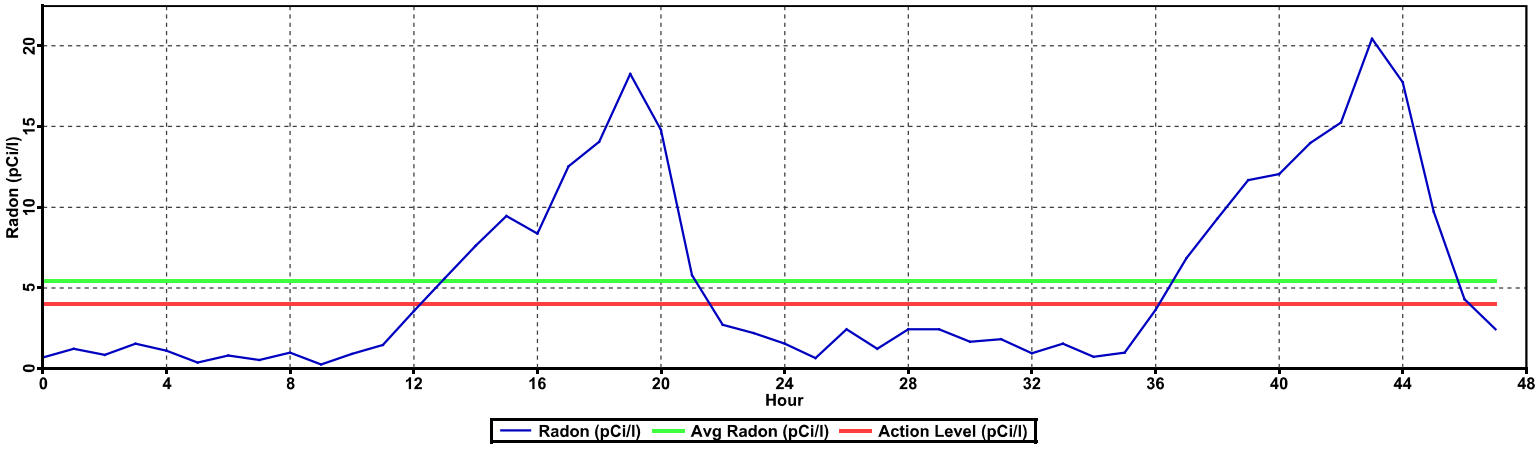
	Minimum	Average	Maximum	Variance
Temperature:	69.0	71.6	75.0	3.25
Barometric Pressure:	29.8	30.0	30.3	0.02
Relative Humidity:	23	27	30	4.08

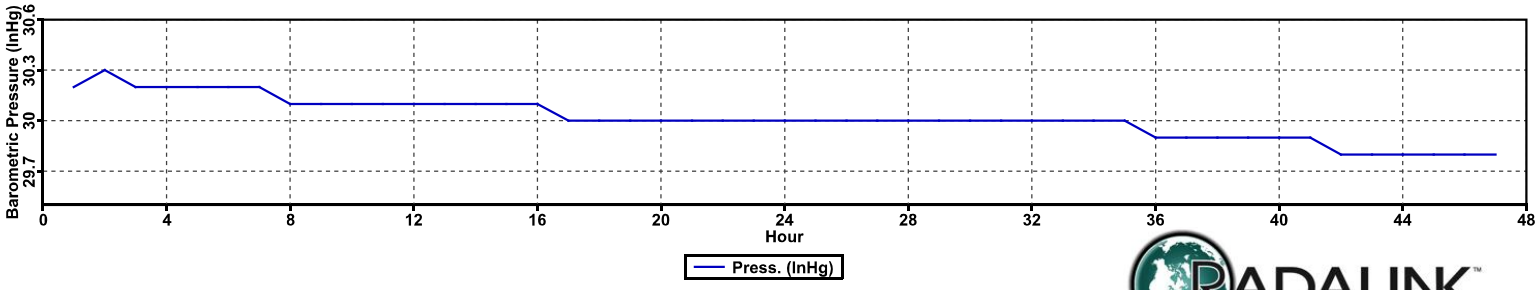
NOTE: The first hour's environmental data is excluded from the table above.

Radalink, Inc. 5599 Peachtree Road Atlanta, GA 30341 Phone: (800)295-4655

GRAPHICAL DATA VIEW **MONITOR-TEST NUMBER: 2918-212**







Property Inspected: 975 West 12th Street, Hastings, MN 55033

AVERAGE RADON CONCENTRATION: 5.4 pCi/l

RADALINK™ RADON MONITORS

Client Commitments, Advisories, and Authorizations

I have been informed of test plan options that comply with ANSI/AARST MA-MFLB 2023.

Time-Sensitive Testing	Extended Testing
Tests at each location are tested using two short-term test devices or a continuous radon monitor.	Tests at each location are conducted using a single short-term test device.
--	All locations that meet or exceed the action level (4.0 pCi/L) are retested.
Decisions to mitigate are based on the results of the average of the two short-term test devices or the average from a continuous radon monitor.	Decisions to mitigate are based on the results of the average of the two rounds of testing.

Testing should take place during normal occupied operating conditions for the building, and when operating conditions for the building are most likely to emphasize a clear characterization of a radon hazard. For most locations in the U.S., including Minnesota, this is during the heating season (November through March).

To the extent reasonably possible, I commit to helping ensure that building conditions required to achieve reliable radon tests are met, as portrayed herein, by accepting the following responsibilities:

1. **Building Preparation**: I accept responsibility that, no later than 12 hours prior to testing, each building scheduled for testing will be reviewed for compliance with closed-building requirements.

2. **Compliance Verification**: I accept responsibility for taking actions that could include adjustments to HVAC units and repairs, such as for broken windows, where completion is required no later than 12 hours prior to testing. Maps and information regarding HVAC systems will be provided upon IEA request. Verification will be provided as signed/initialed below or initialed on a log sheet, to be provided.

3. **Prior Notifications**: Notices will be distributed to staff and occupants at least 24 hours prior to testing and posted in publicly accessible areas such as in corridors, elevators and offices in a timely manner, no later than required by local law for gaining access to a dwelling or not later than the day before testing. Notices will include:

   - Scheduled dates and times for test device placement and retrieval
   - Essential closed-building requirements portrayed in Table 4-A of the ANSI/AARST standard and that these conditions are required no later than 12 hours prior to the test and throughout the test period
   - Information on how to obtain federal or state radon health guidance, and
   - Local contact information for inquiries, such as the authorized building supervisor.

4. **Access**: Access will be provided to each location being tested within a building, with intent to access all locations within a building on the same day for both the event of placing test devices, and a second event for retrieving test devices.

5. **Quality Control**: Quality control measurements will be done at 10% duplicates (extended testing option), 5% blanks, and 3% spikes (3% of each lot of charcoal adsorption devices, max of 6 spikes per month).

A valid measurement shall be taken in 100% ground contact rooms that are occupied or intended to be occupied, and those located above unoccupied rooms in ground contact, as well as 10% of rooms on each upper floor in each building. Failure to reasonably maintain *closed-building conditions* or when test locations are not readily accessible can lead to unnecessary expense, disruptions, and unreliable data. Disturbing test devices can also cause unreliable and invalid test results.

Client Commitments, Advisories, and Authorizations

Please mark or provide, in writing, a list of who is authorized to receive test data and at which junctures data should be provided. Person(s) authorized to receive report data and incremental reports:

- ☒ Proposal Contact and Superintendent
- ☐ District Administrators
- ☐ Building Administrators (Principals or Building Supervisors)
- ☐ Other: _____

Client: Hastings Public Schools

Building: Kennedy & Pinecrest

Name: Scott Stockdale

Title: Director of Facilities & Safety

Signature: [signature]

Date: 3/16/2026

NOTICE OF INSPECTION FOR ALL FACILITATING STAFF

A radon test is scheduled for:

Building: Kennedy Elementary
Test Start Date: 03-23-2026 Test End Date: 03-25-2026

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.

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

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

Short-term test kits. It is important that these devices are fully open and not covered. They will be analyzed by a laboratory.
Continuous radon monitors. These are electronic devices 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 test is complete.

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

Name: Justin Kummer

Signature:

Licensed Measurement Professional: Faith Breeden RMEA-00538

Building: Pinecrest Elementary

Test Start Date: 03-23-2026 Test End Date: 03-25-2026

Please help to maintain the required test conditions throughout the building

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

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

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

Short-term test kits. It is important that these devices are fully open and not covered. They will be analyzed by a laboratory.
Continuous radon monitors. These are electronic devices 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 test is complete.

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

Name: Jamie Clark

Signature:

Licensed Measurement Professional: Faith Breeden RMEA-00538

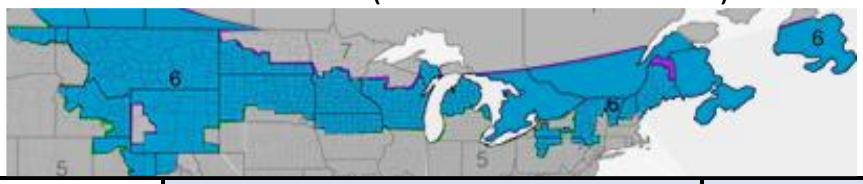
More Detailed Guidance for Staff

Required Closed-Building Conditions	
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
Combustion Appliance Vents	Operate Normally
Passive Solar Systems	Operate Normally
Attic Vent Fans	Operate Normally
Evaporative Cooling Systems	Do not operate
Required for Test Locations Within a Room	
Place detectors within the general **breathing zone**	3 feet from exterior doors, windows or other openings to the outdoors
Locate detectors **no less than:**	20 inches above the floor
	4 inches from other test devices and objects
	1 foot below the ceiling
Place detectors where they are not easily disturbed:	Select a place in an occupied area where the detectors are unlikely to be moved
Place detectors where they are not influenced by other factors:	Do not place devices in closets, crawlspaces, cupboards, sumps or nooks within building foundations
	Do not place devices in area with high air movement (ex. mechanical areas, furnace closets)
	Do not place devices in areas of 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 sunlight)
	Do not place detectors on devices that produce radiation (ex. natural stone counters, pool tables, rock collections)

Appendix D

Average Building Operating Conditions Comparison

Climate Zone 6 (includes Southern MN)



		Averages			During the Test
		24 Hour	Daytime	Daytime 9-Month	Prevailing During the Test
Operating Condition	Outdoor Temperature and Weather Conditions	45 °F	50 °F	N/A	Average: 43°F Minimum: 33°F Maximum: 54°F
	Heating Conditions	75%	66%	88%	100%
	Cooling Conditions	-	16%	11%	0%
	Mixed Conditions	25%	16%	-	0%
Normal Operating Condition		• Heating conditions • No variance in outdoor air ventilation			• Heating conditions • No variance in outdoor air ventilation • Snow or ice present outdoors
Condition less likely to inhibit characterization of a radon hazard		• Heating and air distribution systems active			• Heating and air distribution systems active

Appendix E

MDH Reporting Forms

School Radon Testing Reporting Form

According to Minnesota Statute 123B.571, subd. 3, a school district that has tested its school buildings for the presence of radon shall report the results of the tests to the Department of Health. Please use this form to submit information about the most recent round or cycle of testing for each building.

Instructions

1. Complete one form for each building tested. A building is defined as an occupied facility with a unique address. This includes administrative buildings. Please report the MDE School Number.
2. Include this form, reports, and a building map.
3. Submit this form when all work is completed for a round of testing. This includes reporting to the school board, follow-up testing, and mitigation if applicable.
4. Email information to health.indoorair@state.mn.us

Contact Information

(Person submitting this report)

Name: Scott Stockdale

Mailing Address: 1000 West 11th St. (#22), Hastings, MN 55033

Phone: 507-215-4097 Email: sstockdale@isd200.org

Person(s) Deploying or Retrieving Test Devices

List all individuals the placed or picked-up test devices during initial, follow-up, and post-mitigation testing. Additional names can be added in the notes at the end of the form.

Name: Sashya Wandmaker Organization/Company: IEA

Name: Grant Gervais Organization/Company: IEA

Name: _____ Organization/Company: _____

School Board Reporting

Were all results reported at a school board meeting? (●) Yes ( ) No

Initial Radon Testing

School Building Name: Kennedy Elementary + Curriculum Center MDE School No.[1]: 0200-01-609

School District Name & District Number: Hastings Public Schools ISD #200

Building Address: 1175 Tyler St, Hastings, MN 55033

Test Kit Manufacturer & Device Name: Air Chek Pro Chek

Date of Kit Retrieval (MM/DD/YYYY): 01/26/2026 Length of Test (days): 3

Does the test period include weekends?	○ Yes	◉ No
Does the test period include school breaks or holidays?	○ Yes	◉ No
Was HVAC operating under occupied conditions?	◉ Yes	○ No
Were test devices deployed in all occupied or intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?[2]	◉ Yes	○ No
Were sufficient valid measurements obtained that allow for no further testing? [3]	◉ Yes	○ No

How many rooms were tested? 54

How many rooms had results ≥ 4 pCi/L? 3

[1] The MDE school number is a 9-digit number in the format XXXX-XX-XXX. The first 4 digits are the organization number, followed by a 2-digit organization type, followed by a 3-digit site/school number. If you are unsure of the school ID number, please search MDE-ORG (https://public.education.mn.gov/MdeOrgView/search/tagged/MDEORG_DISTRICT_SCHOOL) by district/charter name and click District View to see a list of the associated schools/find the school number. Example: Anoka High School is 0011-01-0001.

[2] This includes rooms, offices, classrooms, and other general use areas. Ground contact means: 1) rooms that have floors or walls in contact with the ground; and 2) rooms that are closest to the ground over untested ground-contact locations such as a crawl space, utility tunnel, parking garage, and other non-habitable space that is in contact with the ground. Intended to be occupied rooms are locations where there are plans to occupy rooms even though they are unoccupied at the time of testing. In addition, if the building has upper floors, at least 10% of those upper rooms need to be tested.

[3] Section 6.2 of the ANSI/AARST standard allows for a specific small number of invalid measurements (e.g. missing or damaged test kits). Review this section of the standard and evaluate how many rooms needed testing and how many had valid results. If there were too many invalid results, this mean additional testing was required in these locations and answer this question as 'no'

Follow-up Testing, Mitigation, & Post-Mitigation Testing

If one or more rooms tested ≥ 4.0 pCi/L, please answer the questions below:

How many rooms had follow-up testing? 3

Number of rooms with follow-up results: ≥ 4 pCi/L: 1 < 4 pCi/L: 2

Of the rooms with follow-up results ≥ 4 pCi/L, how many rooms were:

Mitigated by diluting or pressurizing the soil or indoor air (not active soil depressurization): _____

Mitigated by installing active soil depressurization system(s)? _____

Reduced by adjusting the HVAC system? _____

Individuals Who Installed Mitigation:

Name: _____ Organization/Company: _____

Name: _____ Organization/Company: _____

What was the cost of the installation and/or HVAC service work to mitigation radon? _____

What is the known or anticipated annual operating cost of mitigation (estimate)? _____

After radon mitigation, how many rooms were re-tested?[4] _____

Post-mitigation results (# of rooms):

≥ 4 pCi/L: _____ < 4 pCi/L: _____

Notes

Two locations tested below 4pCi/L during occupied hours. One location will undergo HVAC adjustments followed by retesting during the next heating season.

Minnesota Department of Health | Environmental Health | Indoor Air Unit
health.indoorair@state.mn.us, www.health.state.mn.us
February 12, 2025

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

[4] The building must be tested to very reduction and ensure mitigation has not increased radon in rooms that used to be low.

School Radon Testing Reporting Form

According to Minnesota Statute 123B.571, subd. 3, a school district that has tested its school buildings for the presence of radon shall report the results of the tests to the Department of Health. Please use this form to submit information about the most recent round or cycle of testing for each building.

Instructions

1. Complete one form for each building tested. A building is defined as an occupied facility with a unique address. This includes administrative buildings. Please report the MDE School Number.
2. Include this form, reports, and a building map.
3. Submit this form when all work is completed for a round of testing. This includes reporting to the school board, follow-up testing, and mitigation if applicable.
4. Email information to health.indoorair@state.mn.us

Contact Information

(Person submitting this report)

Name: Scott Stockdale

Mailing Address: 1000 West 11th St. (#22), Hastings, MN 55033

Phone: 507-215-4097 Email: sstockdale@isd200.org

Person(s) Deploying or Retrieving Test Devices

List all individuals the placed or picked-up test devices during initial, follow-up, and post-mitigation testing. Additional names can be added in the notes at the end of the form.

Name: Sashya Wandmaker Organization/Company: IEA

Name: Grant Gervais Organization/Company: IEA

Name: _____ Organization/Company: _____

School Board Reporting

Were all results reported at a school board meeting? (●) Yes ( ) No

Initial Radon Testing

School Building Name: Pinecrest Elementary MDE School No.[1]: 0200-01-610

School District Name & District Number: Hastings Public Schools ISD #200

Building Address: 975 12th St W, Hastings, MN 55033

Test Kit Manufacturer & Device Name: Air Chek Pro Chek

Date of Kit Retrieval (MM/DD/YYYY): 01/26/2026 Length of Test (days): 3

Does the test period include weekends?	○ Yes	◉ No
Does the test period include school breaks or holidays?	○ Yes	◉ No
Was HVAC operating under occupied conditions?	◉ Yes	○ No
Were test devices deployed in all occupied or intended to be occupied rooms in contact with the ground, and, if applicable, 10% of upper floor rooms?[2]	◉ Yes	○ No
Were sufficient valid measurements obtained that allow for no further testing? [3]	◉ Yes	○ No

How many rooms were tested? 57

How many rooms had results ≥ 4 pCi/L? 2

[1] The MDE school number is a 9-digit number in the format XXXX-XX-XXX. The first 4 digits are the organization number, followed by a 2-digit organization type, followed by a 3-digit site/school number. If you are unsure of the school ID number, please search MDE-ORG (https://public.education.mn.gov/MdeOrgView/search/tagged/MDEORG_DISTRICT_SCHOOL) by district/charter name and click District View to see a list of the associated schools/find the school number. Example: Anoka High School is 0011-01-0001.

[2] This includes rooms, offices, classrooms, and other general use areas. Ground contact means: 1) rooms that have floors or walls in contact with the ground; and 2) rooms that are closest to the ground over untested ground-contact locations such as a crawl space, utility tunnel, parking garage, and other non-habitable space that is in contact with the ground. Intended to be occupied rooms are locations where there are plans to occupy rooms even though they are unoccupied at the time of testing. In addition, if the building has upper floors, at least 10% of those upper rooms need to be tested.

[3] Section 6.2 of the ANSI/AARST standard allows for a specific small number of invalid measurements (e.g. missing or damaged test kits). Review this section of the standard and evaluate how many rooms needed testing and how many had valid results. If there were too many invalid results, this mean additional testing was required in these locations and answer this question as 'no'

Follow-up Testing, Mitigation, & Post-Mitigation Testing

If one or more rooms tested ≥ 4.0 pCi/L, please answer the questions below:

How many rooms had follow-up testing? 2

Number of rooms with follow-up results: ≥ 4 pCi/L: 0 < 4 pCi/L: 2

Of the rooms with follow-up results ≥ 4 pCi/L, how many rooms were:

Mitigated by diluting or pressurizing the soil or indoor air (not active soil depressurization): _____

Mitigated by installing active soil depressurization system(s)? _____

Reduced by adjusting the HVAC system? _____

Individuals Who Installed Mitigation:

Name: _____ Organization/Company: _____

Name: _____ Organization/Company: _____

What was the cost of the installation and/or HVAC service work to mitigation radon? _____

What is the known or anticipated annual operating cost of mitigation (estimate)? _____

After radon mitigation, how many rooms were re-tested?[4] _____

Post-mitigation results (# of rooms):

≥ 4 pCi/L: _____ < 4 pCi/L: _____

Notes

Radon concentrations were below 4 pCi/L during occupied hours for both locations.

Minnesota Department of Health | Environmental Health | Indoor Air Unit
health.indoorair@state.mn.us, www.health.state.mn.us
February 12, 2025

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

[4] The building must be tested to very reduction and ensure mitigation has not increased radon in rooms that used to be low.