

December 26, 2025



Kevin Peek
Coordinator of Operations & Safety
Albert Lea Area Schools
211 Richway Drive
Albert Lea, MN 56007


**RE: Brookside Education Center
Short-Term Radon Testing Results
IEA Project #202511128**

Dear Mr. Peek:

The Institute for Environmental Assessment, Inc. (IEA) placed Air Chek Pro Chek short-term radon test kits in 60 locations, at the Brookside Education Center for the purpose of evaluating radon levels.

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
Tristan Carlson	RMEA-00547	

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.

BROOKLYN PARK
9201 West Broadway, #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 / FAX 507-345-5301
800-233-9513

ROCHESTER
210 Woodlake Drive SE
Rochester, MN 55904
507-281-6664 / FAX 507-281-6695
800-233-9513

BRAINERD
601 NW 5th Street, Ste. #4
Brainerd, MN 56401
218-302-3787 / FAX 218-454-0703
800-233-9513

MARSHALL
1510 Stadium Drive, Ste. #2
Marshall, MN 56258
507-476-3599 / FAX 507-537-6985
800-233-9513

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

METHODOLOGY

IEA placed Air Chek Pro Chek short-term radon test kits in frequently occupied areas in the buildings listed above at Albert Lea Area Schools for the purpose of sampling for radon in accordance with the MDH's *Guidance for Radon Testing in Minnesota Schools* (2024) 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 74 radon test kits were placed from December 8, 2025, to December 11, 2025, 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 December 4, 2025.

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 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.

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 (<u>DURING OCCUPANCY</u>) 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 (<u>DURING OCCUPANCY</u>) 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(s) and building map(s) with sampling locations are provided in Appendix B. The summary of results is provided below.

Brookside Education Center

211 Richway Drive
Albert Lea, MN 56007

A total of 74 test kits were placed in 60 locations at Brookside Education Center. The results indicated that radon levels for the locations tested in Brookside Education Center were below the action level of 4 pCi/L. See Table 1 below for a summary of the results:

TABLE 1: BROOKSIDE EDUCATION 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	60	0	0	0 ¹
¹ All below action level				

pCi/L: picocuries per liter

CONCLUSIONS AND RECOMMENDATIONS

The radon levels in the sampled locations were below the EPA action level of 4 pCi/L.

One (1) blank measurement detected radon above the laboratory Lower Level of Detection (LLD). This result deviates from IEA's Quality Assurance Plan. IEA has investigated this result and determined this sampling event does not require retesting.

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.
- 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. 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 Albert Lea Area Schools 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 #13297 dated September 2, 2025, regarding radon sampling services at the district 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.

Reviewed by:



Ben Olsen, CPSI
Senior Project Manager



Emma Squires-Sperling
Laboratory Director

BO/khb 12262025

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 2023 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 (%)
110	0.7	0.7	0.7	0.0	0
124C	0.8	1.0	0.9	0.2	22
146B	<0.3	<0.3	<0.3	0.0	0
163	<0.3	<0.3	<0.3	0.0	0
227	<0.3	<0.3	<0.3	0.0	0
231	<0.3	0.6	<0.5	0.3	67
240	<0.3	<0.3	<0.3	0.0	0
102 (Board Rm)	1.0	1.0	1.0	0.0	0

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.

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 1, FB Room 2, etc. 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)
12/8/2025	12/11/2025	10:00 AM	9:00 AM	12189005	Field	FB Room 1	<0.3
12/8/2025	12/11/2025	3:00 PM	11:00 AM	12188289	Field	FB Room 2	<0.3
12/8/2025	12/11/2025	3:00 PM	11:00 AM	12188236	Field	FB Room 3	<0.3
12/8/2025	12/11/2025	3:00 PM	1:00 PM	12188288	Office	OStorage Room A	<0.3
12/8/2025	12/11/2025	3:00 PM	1:00 PM	12188281	Office	OStorage Room B	0.5
12/8/2025	12/11/2025	3:00 PM	1:00 PM	12188287	Office	OStorage Room C	<0.3
12/3/2025	12/5/2025	11:00 AM	11:00 AM	12189002	Lab-Transit	LTMA-1	<0.3
12/3/2025	12/5/2025	11:00 AM	11:00 AM	12189004	Lab-Transit	LTMA-2	<0.3
12/3/2025	12/5/2025	11:00 AM	11:00 AM	12188220	Lab-Transit	LTMA-3	<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)
12/5/2025	12/8/2025	9:12 AM	9:12 AM	12188216	24.3	25.5	-4.7
12/5/2025	12/8/2025	9:12 AM	9:12 AM	12188217	25.7	25.5	0.8
12/5/2025	12/8/2025	9:12 AM	9:12 AM	12188218	23.2	25.5	-9.0
12/5/2025	12/8/2025	9:12 AM	9:12 AM	12188219	22.5	25.5	-11.8
12/5/2025	12/8/2025	9:12 AM	9:12 AM	12188221	24.2	25.5	-5.1
12/5/2025	12/8/2025	9:12 AM	9:12 AM	12188222	24.5	25.5	-3.9

Any spike result outside the RPE range of $\pm 30\%$ has exceeded the control limit.

Appendix B

Laboratory Reports and Maps

Radon test result report for:**ALBERT LEA AS
BROOKESIDE**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12188271	100	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188275	103	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188274	104	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188273	104A	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188254	105	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188253	106	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.5 ± 0.4	2025-12-16
12188252	107	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188263	108	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188232	109	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188230	111	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188229	112	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188235	114 WELCOME CENTER	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.8 ± 0.4	2025-12-16
12188268	120	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.9 ± 0.4	2025-12-16
12189006	123	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188249	123 OFFICE	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12189806	124	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	1.0 ± 0.4	2025-12-16
12188269	124A	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188265	124B	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188238	124D	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	1.0 ± 0.4	2025-12-16
12188241	124F	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.8 ± 0.4	2025-12-16
12188248	125 BREAKROOM	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12189008	140	2025-12-08 @ 11:00 am	2025-12-11 @ 9:00 am	1.2 ± 0.4	2025-12-16
12188237	140A	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	0.8 ± 0.4	2025-12-16
12188226	141	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12189808	142	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12189010	143	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	0.5 ± 0.4	2025-12-16
12188231	144	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	0.8 ± 0.4	2025-12-16
12188234	145	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12189013	146A	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	0.5 ± 0.4	2025-12-16
12188233	146C	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12189009	147	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188262	160	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.9 ± 0.4	2025-12-16
12188261	162 OFFICE	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.6 ± 0.4	2025-12-16
12188278	163 OFFICE	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16
12189014	165 SHOP	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	0.6 ± 0.4	2025-12-16
12189807	169	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	0.5 ± 0.4	2025-12-16
12189001	171 DISTRICT OFFICE	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16

Radon test result report for:**ALBERT LEA AS
BROOKESIDE**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12188224	171A	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	0.5 ± 0.4	2025-12-16
12189805	171B	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16
12188225	171C	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16
12188243	211	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188244	221	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188259	228	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188276	263	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188264	273	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188277	CAFETERIA	2025-12-08 @ 11:00 am	2025-12-11 @ 9:00 am	0.7 ± 0.4	2025-12-16
12188267	DUP-102 BOARD ROOM-2	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	1.0 ± 0.4	2025-12-16
12188250	DUP-110-1	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188251	DUP-110-2	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188258	DUP-124C-1	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.8 ± 0.4	2025-12-16
12188247	DUP-124C-2	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	1.0 ± 0.4	2025-12-16
12189007	DUP-146B-1	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188228	DUP-146B-2	2025-12-08 @ 10:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188279	DUP-163-1	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16
12188280	DUP-163-2	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16
12188239	DUP-227-1	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188240	DUP-227-2	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188260	DUP-231-1	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188282	DUP-231-2	2025-12-08 @ 12:00 pm	2025-12-11 @ 11:00 am	0.6 ± 0.4	2025-12-16
12188272	DUP-240-1	2025-12-08 @ 12:00 pm	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188242	DUP-240-2	2025-12-08 @ 12:00 pm	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188256	DYP-102 BOARD ROOM-1	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	1.0 ± 0.4	2025-12-16
12189005	FB ROOM 1	2025-12-08 @ 10:00 am	2025-12-11 @ 9:00 am	< 0.3	2025-12-16
12188289	FB ROOM 2	2025-12-08 @ 3:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188236	FB ROOM 3	2025-12-08 @ 3:00 pm	2025-12-11 @ 11:00 am	< 0.3	2025-12-16
12188270	GYM 1	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12188255	GYM 2	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188257	GYM 3	2025-12-08 @ 12:00 pm	2025-12-11 @ 10:00 am	< 0.3	2025-12-16
12188266	GYM 4	2025-12-08 @ 12:00 pm	2025-12-11 @ 10:00 am	0.7 ± 0.4	2025-12-16
12189003	KITCHEN OFFICE	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	1.2 ± 0.4	2025-12-16
12188288	OSTORAGE ROOM A	2025-12-08 @ 3:00 pm	2025-12-11 @ 1:00 pm	< 0.3	2025-12-16
12188281	OSTORAGE ROOM B	2025-12-08 @ 3:00 pm	2025-12-11 @ 1:00 pm	0.5 ± 0.3	2025-12-16
12188287	OSTORAGE ROOM C	2025-12-08 @ 3:00 pm	2025-12-11 @ 1:00 pm	< 0.3	2025-12-16
12188227	STAFF LOUNGE	2025-12-08 @ 11:00 am	2025-12-11 @ 10:00 am	0.6 ± 0.4	2025-12-16

December 10, 2025

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

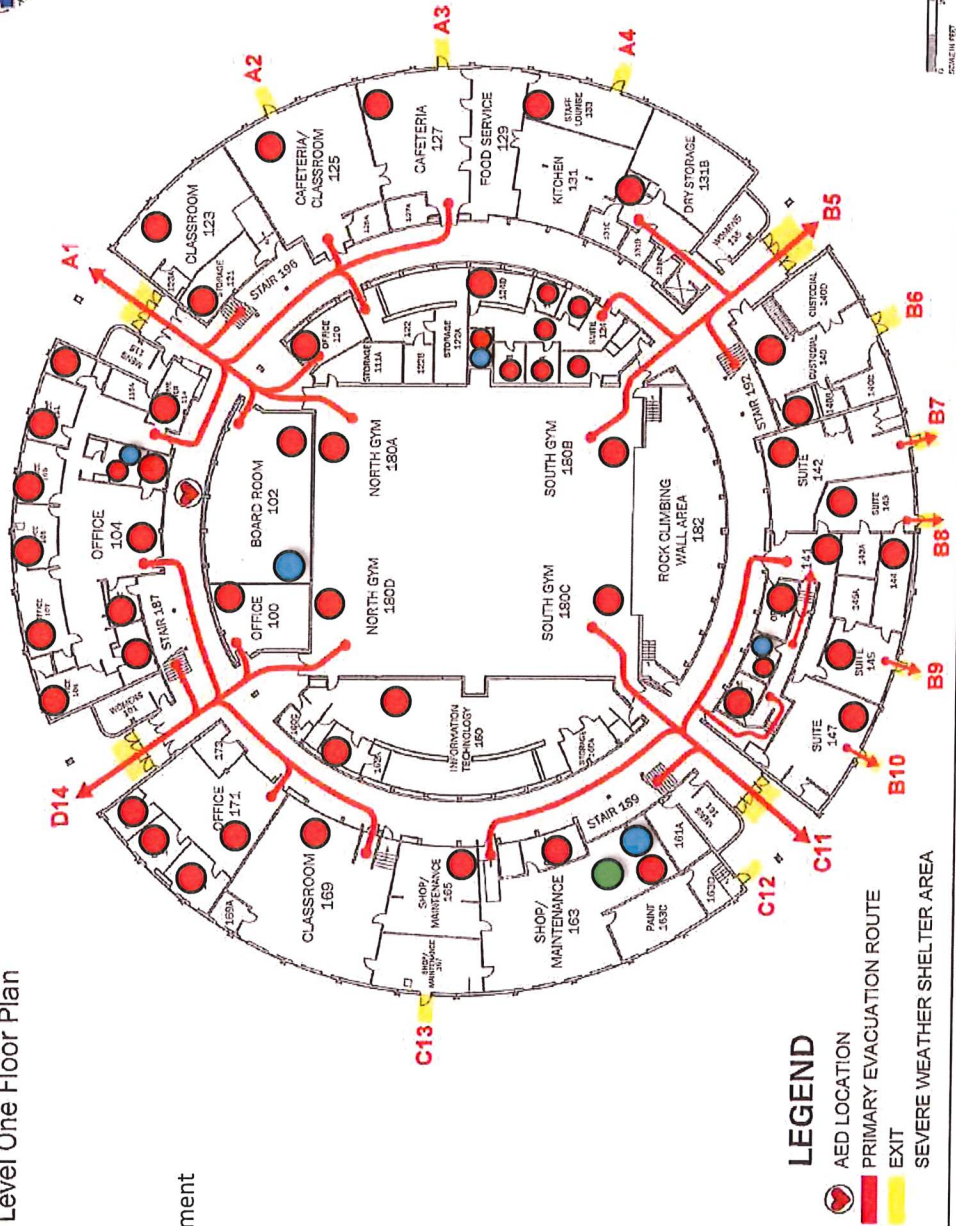
**IEA MANKATO
LAB TRANSIT**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12189002	LTMA-1	2025-12-03 @ 11:00 am	2025-12-05 @ 11:00 am	< 0.3	2025-12-10
12189004	LTMA-2	2025-12-03 @ 11:00 am	2025-12-05 @ 11:00 am	< 0.3	2025-12-10
12188220	LTMA-3	2025-12-03 @ 11:00 am	2025-12-05 @ 11:00 am	< 0.3	2025-12-10

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

Brookside Education Center Level One Floor Plan

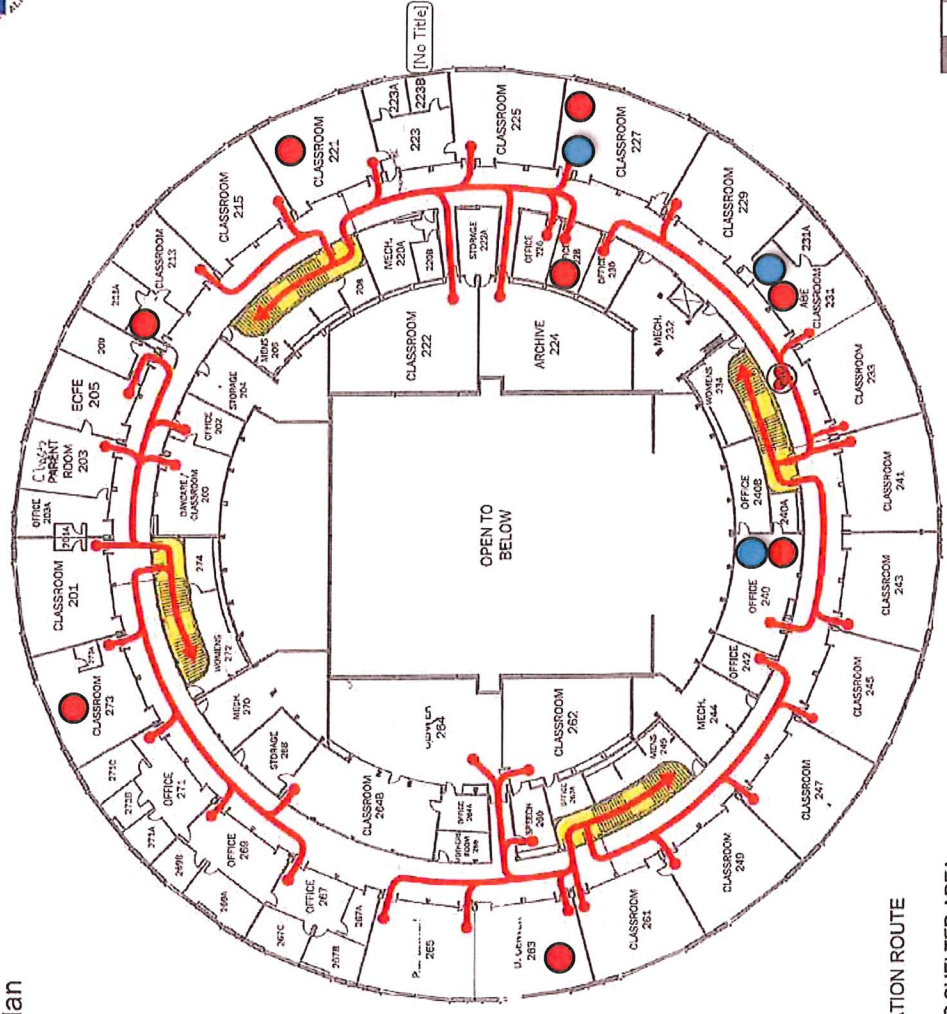
- Short-Term Radon
- Field Blank
- Duplicate Measurement



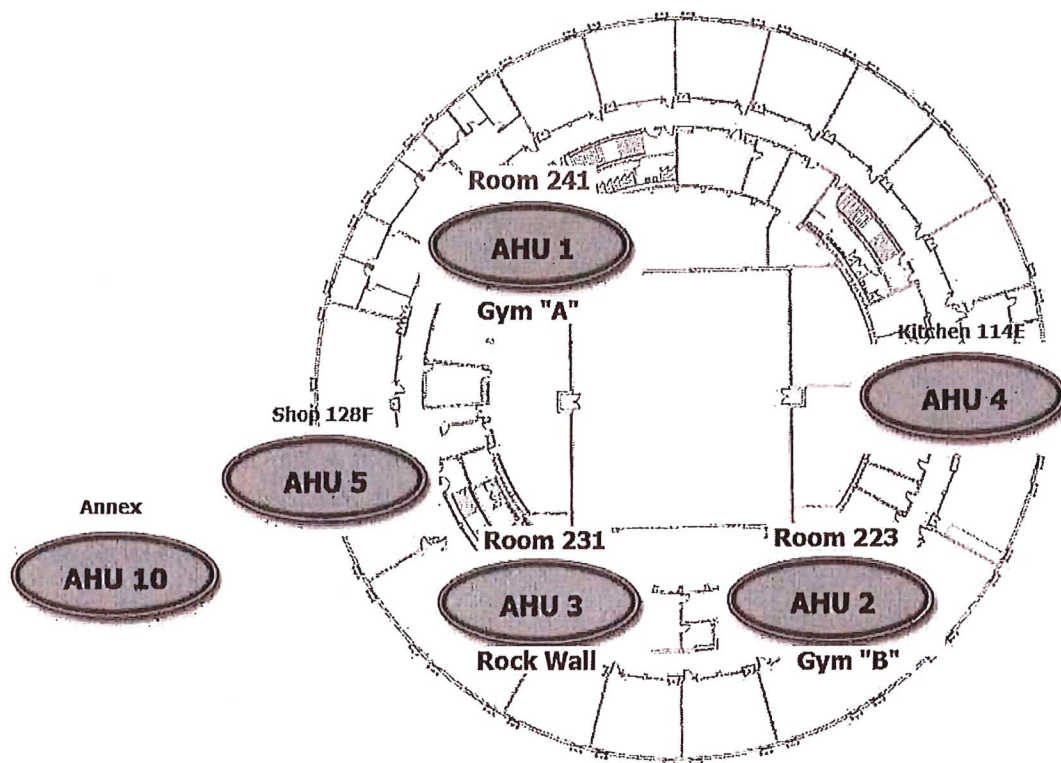
Brookside Education Center

Level Two Floor Plan

- Short-Term Radon
- Field Blank
- Duplicate Measurement



BROOKSIDE EDUCATION CENTER



Brookside Education Center

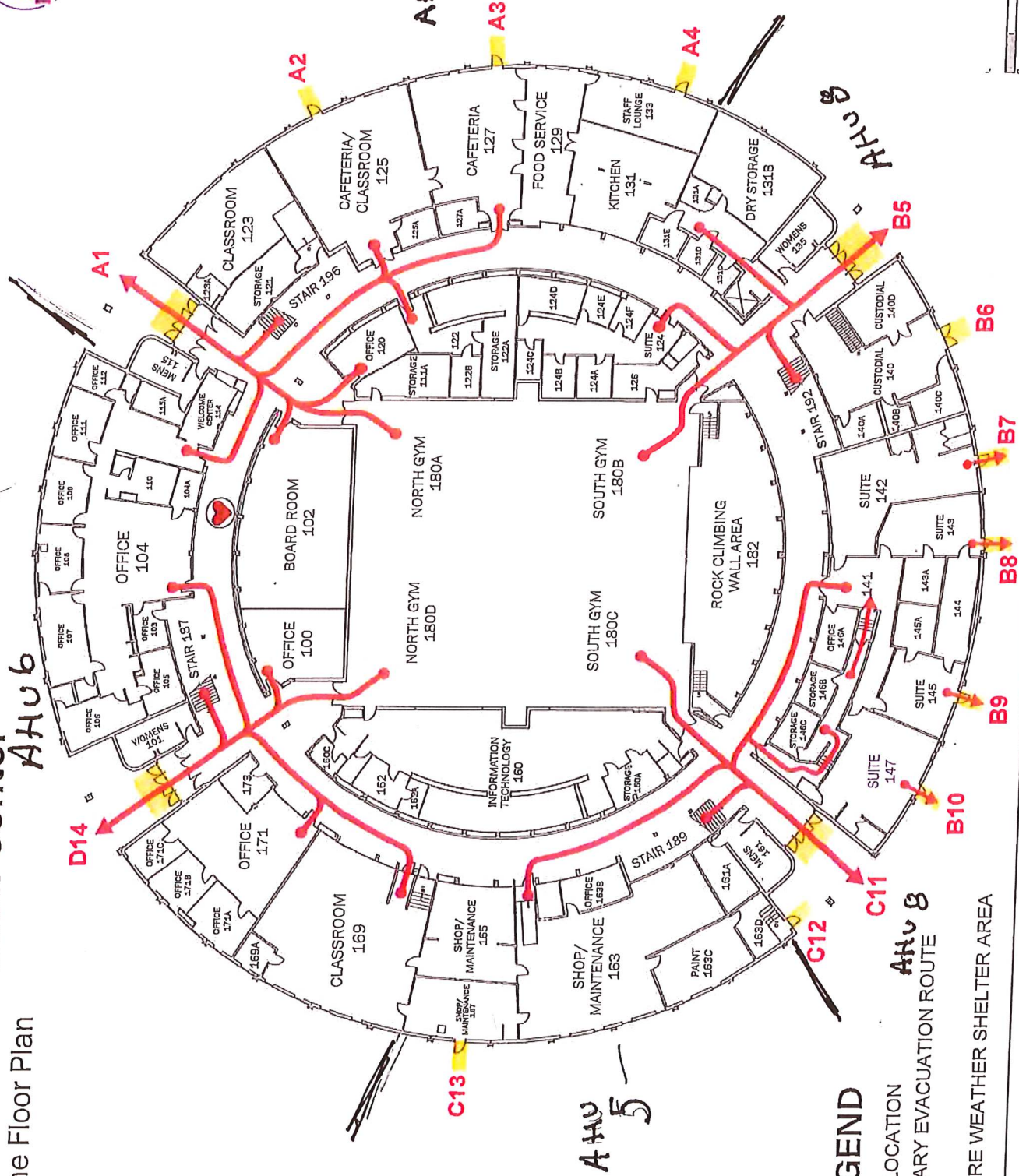
Level One Floor Plan



AHUB

Level One Floor Plan

AHUB #7



LEGEND

- AED LOCATION
- PRIMARY EVACUATION ROUTE
- EXIT
- SEVERE WEATHER SHELTER AREA

AHUB

AHUB

AHUB #7

AHUB 5



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: Brookside
Test Start Date: 12/8/25 Test End Date: 12/11/25

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 anyway. 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 ☒ No ☐

Name: KEYEN PEEK

Signature: AK Peek

For more information regarding on-site activities, contact:

Licensed Measurement Professional:

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

More Detailed Guidance for Staff

Requirements 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: Albert Lea Area Schools

Building: Brookside Education Center

Name: Kevin Peek

Title: Coordinator of Operations & Safety

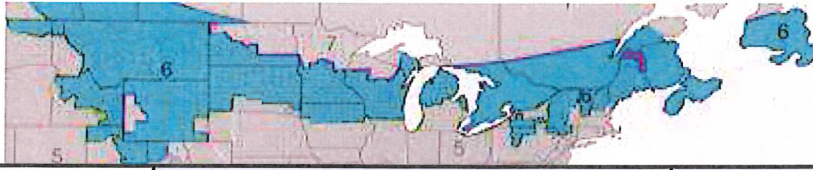
Signature: X 

Date: 12-5-25

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: 19 °F Minimum: 6 °F Maximum: 38 °F
	Heating Conditions	75%	66%	88%	100%
	Cooling Conditions	-	16%	11%	0%
	Mixed Conditions	25%	16%	-	0%
Normal Operating Condition		<ul style="list-style-type: none"> • Heating conditions • No variance in outdoor air ventilation 			<ul style="list-style-type: none"> • Heating conditions • No variance in outdoor air ventilation • Snow or ice present outdoors
Condition less likely to inhibit characterization of a radon hazard		<ul style="list-style-type: none"> • Heating and air distribution systems active 			<ul style="list-style-type: none"> • Heating and air distribution systems active

Appendix E

MDH Reporting Form

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: Kevin Peek

Mailing Address: 211 Richway Drive, Albert Lea, MN 56001

Phone: 507-379-4800 Email: kevin.peek@alschools.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: Tristan Carlson Organization/Company: IEA

Name: _____ Organization/Company: _____

Name: _____ Organization/Company: _____

School Board Reporting

Were all results reported at a school board meeting?



Yes



No

SCHOOL RADON TEST REPORTING FORM

Initial Radon Testing

School Building Name: Brookside Education Center MDE School No.¹: 0241-01-350

School District Name & District Number: Albert Lea Area Schools, ISD 241

Building Address: 211 Richway Drive, Albert Lea, MN 56001

Test Kit Manufacturer & Device Name: Air Chek Pro Check

Date of Kit Retrieval (MM/DD/YYYY): 12/11/2025 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? 60

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) (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'

SCHOOL RADON TEST REPORTING FORM

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.