MERIDIAN CONSULTING GROUP
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Plymouth, MN 55446 • (612) 834-4406

Radon Testing Report – Woodbury High School

2665 Woodlane Drive, Woodbury, MN 55125
February 24, 2026

Introduction

Radon is a colorless and odorless gas that comes from the soil. Exposure to radon over time can cause lung cancer. The U.S. Environmental Protection Agency (EPA) has set a target level of 4 pCi/L and to consider action at 2 pCi/L. Testing was conducted to determine if occupants are exposed to elevated levels of radon.

Testing

Meridian Consulting conducted short-term radon testing for Woodbury High School from 02/09/2026 to 02/11/2026 using Air Chek Pro Chek charcoal radon test kits from Air Chek, Inc. 1936 Butler Bridge Rd, Mills River, NC 28759, NRPP Certified Lab # 101138 AL. Radon testing was done according to ANSI/AARST MA-MFLB 2023.

Testing was conducted by the following Minnesota Department of Health (MDH) licensed radon measurement professionals:

Name	MDH License #	Signature
Wendy German	RMEA-00447	

All ground-contact rooms that are occupied or intended to be occupied were tested. In addition, tests were conducted in all rooms above ground-contact rooms that were not tested. On second floors, ten percent of rooms were tested with at least one test conducted on each story.

Test Results

Woodbury Elementary Radon Results Summary			
	0.0 – 1.9 pCi/L	2.0 – 3.9 pCi/L	4.0 and higher
Number of Tests	133	0	0

Test Conditions

Radon levels in a building can be influenced by many factors including weather, season, and occupancy patterns. Temporary conditions observed during the testing period may cause the test to not reflect the occupant's risk from radon. Test Conditions can be found in Appendix C.

There was no unusual weather, occupancy patterns, mechanical system operations, or other situations present that would likely affect measured radon levels.

Missing or Invalid Test Results

Location	Missing/Invalid/Not Tested	Explanation
n/a	n/a	No Missing Tests

Quality Assurance and Quality Control

Quality control measurements were conducted in compliance with ANSI/AARST MA-MFLB 2023. This includes blanks, duplicates, and spike measurements. See Appendix E for this data.

Recommendations

No radon concentrations at or above 2 pCi/L were measured. Therefore, the building should continue to be tested every five years.

When to Retest:

- Retest every 5 years if no mitigation system is installed.
- Retest in conjunction with the sale of any new or existing building.
- Be certain to test again when any of the following circumstances occur:
  - A new addition is constructed or alterations for building rehab or reconfiguration occur;
  - A ground contact area not previously tested is occupied, or a building is newly occupied;
  - Heating and cooling systems are significantly altered, resulting in changes to air pressure or pressure relationships;
  - Ventilation is significantly altered by extensive weatherization, changes to mechanical systems or comparable procedures;
  - Significant openings to the soil occur due to:
    - Groundwater or slab surface water control systems that are altered or added (ex. sumps, perimeter drain tile, shower/tub retrofits) or,
    - Natural settlement causing major cracks to develop.
  - Earthquakes, construction blasting, or formation of sink holes nearby; or
  - A radon mitigation system is altered, modified, or repaired.

Radon Information

Additional information on radon can be found on the Minnesota Department of Health's website at mn.gov/radon or by contacting them at 651-201-4601 or health.indoorair@state.mn.us.

If you have any questions, please contact us at 320-224-1908 or wendy@meridianconsult.net

Appendix A: Analytical Results

Sample ID	Location	Start Date	Start Time	End Date	End Time	Duplicate	Result
12334001	111	2026-02-09	10:00 am	2026-02-11	9:00 am		< 0.3
12334002	115	2026-02-09	10:00 am	2026-02-11	9:00 am		< 0.3
12334003	169	2026-02-09	10:00 am	2026-02-11	10:00 am	0.6	0.5
12334004	169	2026-02-09	10:00 am	2026-02-11	9:00 am	< 0.3	
12334005	170	2026-02-09	10:00 am	2026-02-11	10:00 am	0.8	0.8
12334006	170	2026-02-09	10:00 am	2026-02-11	10:00 am	0.7	
12334007	168	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334008	167	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334009	166	2026-02-09	10:00 am	2026-02-11	10:00 am	0.5	0.4
12334010	166	2026-02-09	10:00 am	2026-02-11	10:00 am	< 0.3	
12334011	165	2026-02-09	10:00 am	2026-02-11	10:00 am		1
12334012	172	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334013	171	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334014	164	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334015	163	2026-02-09	10:00 am	2026-02-11	10:00 am	0.8	0.6
12334016	163	2026-02-09	10:00 am	2026-02-11	10:00 am	< 0.3	
12334017	162	2026-02-09	10:00 am	2026-02-11	10:00 am		0.8
12334018	161	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334019	160	2026-02-09	10:00 am	2026-02-11	10:00 am		0.7
12334020	104B	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334021	104	2026-02-09	10:00 am	2026-02-11	10:00 am		0.6
12334022	103	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334023	101	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334024	102	2026-02-09	10:00 am	2026-02-11	10:00 am	< 0.3	< 0.3
12334025	102	2026-02-09	10:00 am	2026-02-11	10:00 am	< 0.3	
12334026	102B	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334027	102C	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334028	102D	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334029	105	2026-02-09	10:00 am	2026-02-11	10:00 am		0.7
12334030	106	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334031	108	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334032	110	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334033	107	2026-02-09	10:00 am	2026-02-11	10:00 am		0.5
12334034	NURSE	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334036	100A	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334037	100	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334038	130	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334039	132	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334040	COUNSELING	2026-02-09	10:00 am	2026-02-11	10:00 am	< 0.3	< 0.3
12334041	COUNSELING	2026-02-09	10:00 am	2026-02-11	10:00 am	< 0.3	
12334042	C1	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334043	C2	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334044	C3	2026-02-09	10:00 am	2026-02-11	10:00 am		0.7
12334045	C4	2026-02-09	10:00 am	2026-02-11	10:00 am		< 0.3
12334046	C6	2026-02-09	11:00 am	2026-02-11	10:00 am		0.6

12334047	C5	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334048	C7	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334049	C8	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334050	GYM 1	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334051	GYM2	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334052	GYM3	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334053	GYM4	2026-02-09	11:00 am	2026-02-11	10:00 am		0.6
12334054	GYM5	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334055	GYM 6	2026-02-09	11:00 am	2026-02-11	10:00 am		< 0.3
12334101	256	2026-02-09	7:00 am	2026-02-11	7:00 am	0.6	0.5
12334102	256	2026-02-09	7:00 am	2026-02-11	7:00 am	< 0.3	
12334103	256A	2026-02-09	7:00 am	2026-02-11	7:00 am		1.2
12334104	256C	2026-02-09	7:00 am	2026-02-11	7:00 am		< 0.3
12334105	256B	2026-02-09	7:00 am	2026-02-11	7:00 am		0.7
12334106	256D	2026-02-09	7:00 am	2026-02-11	7:00 am		0.7
12334107	256E	2026-02-09	7:00 am	2026-02-11	8:00 am		0.8
12334108	256F	2026-02-09	7:00 am	2026-02-11	7:00 am		< 0.3
12334109	255	2026-02-09	7:00 am	2026-02-11	8:00 am		0.8
12334111	255A	2026-02-09	7:00 am	2026-02-11	8:00 am		1
12334112	255B	2026-02-09	7:00 am	2026-02-11	8:00 am		< 0.3
12334113	CAF1	2026-02-09	7:00 am	2026-02-11	8:00 am		0.7
12334114	CAF2	2026-02-09	7:00 am	2026-02-11	8:00 am		< 0.3
12334115	SOUTH LOBBY	2026-02-09	7:00 am	2026-02-11	8:00 am		0.9
12334116	LECTURE 1	2026-02-09	7:00 am	2026-02-11	8:00 am		< 0.3
12334117	LECTURE 2	2026-02-09	7:00 am	2026-02-11	8:00 am		< 0.3
12334118	AUD 1	2026-02-09	8:00 am	2026-02-11	8:00 am		1.2
12334119	AUD 2	2026-02-09	8:00 am	2026-02-11	8:00 am		0.8
12334120	AUD 3	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334121	STAGE 1	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334122	STAGE 2	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334123	DRESSING 1	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334124	DRESSING 2	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334125	253	2026-02-09	8:00 am	2026-02-11	8:00 am		0.7
12334126	253A	2026-02-09	8:00 am	2026-02-11	8:00 am		0.7
12334127	253B	2026-02-09	8:00 am	2026-02-11	8:00 am		0.6
12334128	253C	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334129	253D	2026-02-09	8:00 am	2026-02-11	8:00 am		0.7
12334130	253E	2026-02-09	8:00 am	2026-02-11	8:00 am		1
12334131	253F	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334132	253 2	2026-02-09	8:00 am	2026-02-11	8:00 am		1.1
12334133	STAFF LOUNGE	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334135	220	2026-02-09	8:00 am	2026-02-11	8:00 am	< 0.3	0.5
12334136	220	2026-02-09	8:00 am	2026-02-11	8:00 am	0.7	
12334137	219	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334139	AD OFFICE	2026-02-09	8:00 am	2026-02-11	8:00 am		0.9
12334140	AD 2	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334141	240	2026-02-09	8:00 am	2026-02-11	8:00 am	< 0.3	0.5
12334142	240	2026-02-09	8:00 am	2026-02-11	8:00 am	0.7	

12334143	244	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334145	246	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334146	248	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334147	249	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334148	250	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334149	247	2026-02-09	8:00 am	2026-02-11	8:00 am	< 0.3	< 0.3
12334150	247	2026-02-09	8:00 am	2026-02-11	8:00 am	< 0.3	
12334151	245	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334152	243	2026-02-09	8:00 am	2026-02-11	8:00 am		< 0.3
12334153	241	2026-02-09	8:00 am	2026-02-11	8:00 am		1.1
12334154	218	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	< 0.3
12334155	218	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	
12334156	217	2026-02-09	9:00 am	2026-02-11	9:00 am		0.6
12334158	216	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334159	215	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334160	213	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334161	273	2026-02-09	9:00 am	2026-02-11	9:00 am		0.9
12334162	270	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334163	266	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334164	263	2026-02-09	9:00 am	2026-02-11	9:00 am		0.5
12334165	260	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334166	207	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334167	126	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334169	127	2026-02-09	9:00 am	2026-02-11	9:00 am	1.1	0.7
12334170	127	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	
12334171	GYMNASTICS 1	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334172	GYMNASTICS 2	2026-02-09	9:00 am	2026-02-11	9:00 am		0.8
12334173	GYMNASTICS 3	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334174	GYMNASTICS 4	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334175	AC1	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334176	AC2	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334177	AC3	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334178	AC 4	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334179	AC5	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334180	AC6	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334181	AC7	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334182	AC 8	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334183	AC9	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334184	AC10	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334185	AC11	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334186	AC12	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334187	AC13	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334188	CONF B	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334189	SCI PREP	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334190	131	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334191	123	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	< 0.3
12334192	123	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	
12334193	121	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	< 0.3

12334197	121	2026-02-09	9:00 am	2026-02-11	9:00 am	< 0.3	
12334194	120	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334196	116	2026-02-09	10:00 am	2026-02-11	9:00 am		< 0.3
12334198	118	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334199	117	2026-02-09	9:00 am	2026-02-11	9:00 am		< 0.3
12334200	112	2026-02-09	10:00 am	2026-02-11	9:00 am		< 0.3

Appendix C: Test Conditions

- The minimum outdoor temperature that existed 12 hours prior to and during the test period was 19°F. The maximum outdoor temperature was 36°F. The average outdoor temperature was 31°F.
- Weather was mild. Very little snow coverage on ground.

		Annual	During the Test
Outdoor Temperatures	Avg. °F	45°	31°
Operating Conditions	Heating (% year)	75%	100%
Operating Conditions	Cooling (% year)	0	0
Operating Conditions	Mixed (% year)	25%	0
Prevailing Operating Condition	Heating/Cooling/Mixed	Heating	Heating

Appendix D: Test Notifications

DEPARTMENT OF HEALTH

Notice of Inspection for Facilitating Staff

A radon test is scheduled for:

Building: Woodbury High School

Test Start Date: 02/09/2026 Test End Date: 02/11/2026

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

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

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

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

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

Declaration of Observed Compliance:

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

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

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

Yes ◉ No ○

Name: Kyle Uecker

Signature: Kyle Uecker Date: 02/24/2026

Required Closed Building Conditions for Radon Testing

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

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

Radon Test Device Placement Requirements

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

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

Place detectors where they are not easily disturbed.

Place detectors where they are not influenced by other factors:

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

For more information regarding on-site activities, contact:

Licensed measurement professional: Wendy German, RMFA-00447

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

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

DEPARTMENT OF HEALTH

Client Authorizations & Communications

Client and Facilitating Staff Member Contact Information

Client/Authorized Agent Kyle Uecker phone (651) 425-6299

Onsite Supervisor Principals at each building phone _____

Building/Dwelling Access Wendy has full access phone _____

HVAC Operations Kyle Uecker phone _____

Other Contact/Title _____ phone _____

Radon Testing Professional Contact Information

Scheduling/Logistics Wendy German phone (651) 425-6277

Onsite Supervisor same phone _____

Field Technician same phone _____

Field Technician _____ phone _____

Staff authorized for responding to occupant and public inquiries:

Name/Title Kyle Uecker phone _____

Name/Title _____ phone _____

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

Name/Title Kyle Uecker phone _____

Name/Title _____ phone _____

Frequency of Reports

☐ prior to testing ☐ after each phase of testing ☑ when testing is complete

DEPARTMENT OF HEALTH

Client Advisories Prior to Testing

Testing will be conducted in compliance with ANSI/AARST MA-MFLB 2023 and the Minnesota Radon Licensing Act.

- Tests will be done in 100% ground contact residential units and non-residential rooms that are occupied or intended to be occupied.
- In addition, 10% of residential units and non-residential rooms will be tested on each upper floor, with a minimum of one test per floor.
- Quality control measurements will be done at 10% duplicates (extended testing option), 5% blanks, and 3% spikes.
- Closed-building conditions must be maintained at least 12-hours prior to and during the test.

There are two test options that comply with the standards:

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

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

To aid in proper test conditions, the measurement professional will:

- Inform the person responsible for building operations of the required test conditions,
- Ensure "Radon Test in Progress" signs are posted in prominent locations,
- Attempt to obtain a signed statement from onsite supervisors or facilitating staff members that they will aid in the quality control of closed-building conditions, and
- Conduct a visual inspection upon detector placement and retrieval to ensure all closed-building conditions are met.

Please provide, in writing, a list of who is authorized to receive test data and at which junctures data should be provided.

Instructions for Notifying Individual of Test Conditions

Proper notification is essential to get compliance with required testing conditions.

Enclosed are notification forms for facilitating staff such as authorized building supervisors, maintenance staff, teachers, or office managers. Facilitating staff should ensure closed-building conditions are met in non-residential spaces at least 12-hours prior to the test and maintained during the test period.

In addition, notifications must be distributed to all occupants of tested and not-tested units and contain:

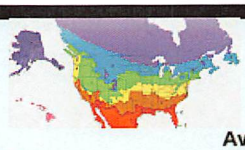
- Scheduled dates and times for test device placement and retrieval,
- Essential closed-building requirements portrayed in Table 4-A of the ANSI/AARST standard and that these conditions are required no later than 12 hours prior to the test and throughout the test period,
- Information on how to obtain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

Enclosed are notification forms for occupants. Please distribute notifications to occupants at least 24 hours prior to testing. Notifications also need to be posted in prominent areas such as entry doors and community bulletins.

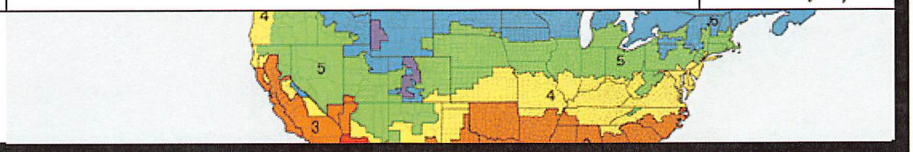
Normal Occupied Building Conditions

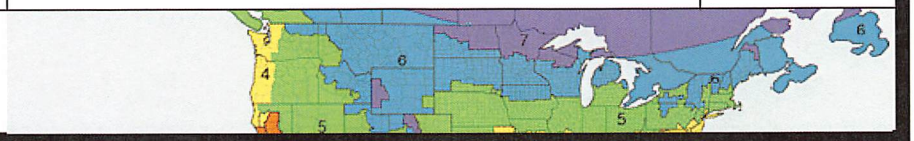
Minnesota is in Temperature Zones 6 and 7. Across the state, the prevailing HVAC condition is heating. Radon testing is recommended during the heating season.

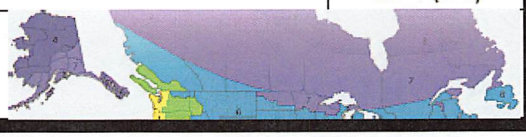
TEMPERATURE ZONES
as designated in ASHRAE standards 90.1 and 90.2
(The American Society of Heating, Refrigerating and Air-Conditioning Engineers) https://www.ashrae.org



Climate Zone	Example North American States or Cities	Average Annual Temperature
1 Very Hot	Southern Florida and Hawaii	Miami 76˚ F (24 C)
2 Hot	Florida, New Orleans, Houston, Mexico	New Orleans 68˚ F (20 C)
3 Warm	North Carolina to Southern California	Atlanta 61˚ F (16 C)
4 Mixed	NYC, PA, NJ, VA, KT, TN KS, MO, Seattle WA, and Portland OR.	Kansas City 54˚ F (12 C)
5 Cool	MA, NY, OH, MI, IN, IL, IA, NE, CO, UT and NV.	Chicago 49˚ F (9 C)
6 Cold	ME, NH, VT, WI, MN, ND, WY, SD and ND.	Montreal 43˚ F (6 C)
7 Very Cold	Minot, ND; Anchorage, AK; Winnipeg, Canada	Winnipeg 36˚ F (2 C)
8 Subarctic	Fairbanks Alaska; Cambridge Bay, Canada	Fairbanks 26 ˚ F (-3 C)





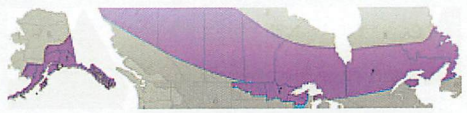


Very Cold

Climate Zone 7

Includes many Canadian provinces, mountain tops, and utmost northern locations in the United States

This data is based on Minot, ND



24 Hour Averages

For dwellings and other 24 hour occupancies

24 Hour		Annual Avg	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
7-Very cold	Minot, ND	39	56	45	26	14	6	11	21	41	53	61	68	67

		Prevailing Annually
Operating Condition	*Heating Conditions*	*83%*
	Cooling Conditions	-
	Mixed Conditions	*16%*

Normal Operating Condition	• Heating conditions • No variance in outdoor air ventilation
Condition less likely to inhibit characterization of a radon hazard	• Heating and air distribution systems active

Daytime Averages

For non-residential occupancies

Daytime		Annual Avg	School Avg	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
7-Very cold	Minot, ND	45	36	63	51	31	19	11	16	26	47	59	67	75	74

		Prevailing Annually	School (prevailing across 9 months)
Operating Condition	*Heating Conditions*	*75%*	*100%*
	Cooling Conditions	-	-
	Mixed Conditions	*25%*	-

Normal Operating Condition	• Heating conditions • No variance in outdoor air ventilation
Condition less likely to inhibit characterization of a radon hazard	• Heating and air distribution systems active

Some Cities in This Climate Zone

Note—Exact percentages will vary slightly depending upon location

Caribou ME
Quebec, CA
Marquette MI
Duluth MN
Winnipeg, CA
Grand Forks, ND
Anchorage, AK
Breckenridge, CO
Aspen, CO

Cold

Climate Zone 6

Includes portions of ME, NH, VT, WI, MN, ND, WY, SD, ND and Canada.

This data is based on Minneapolis, MN

24 Hour Averages

For dwellings and other 24 hour occupancies

24 Hour		Annual Avg	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
6 Cold	Minneapolis, MN	45	61	50	33	19	13	18	31	46	59	68	73	71

		Prevailing Annually
Operating Condition	*Heating Conditions*	*75%*
	Cooling Conditions	-
	Mixed Conditions	*25%*

Normal Operating Condition	• Heating conditions • No variance in outdoor air ventilation
Condition less likely to inhibit characterization of a radon hazard	• Heating and air distribution systems active

Daytime Averages

For non-residential ocupancies

Daytime		Annual Avg	School Avg	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
6 Cold	Minneapolis, MN	50	41	66	55	37	23	17	23	35	51	64	73	78	76

		Prevailing Annually	School (prevailing across 9 months)
Operating Condition	*Heating Conditions*	*66%*	*88%*
	Cooling Conditions	*16%*	*11%*
	Mixed Conditions	*16%*	-

Normal Operating Condition	• Heating conditions • No variance in outdoor air ventilation
Condition less likely to inhibit characterization of a radon hazard	• Heating and air distribution systems active

Some Cities in This Climate Zone

Note—Exact percentages will vary slightly depending upon location

Portland, ME
Buffalo, NY
Burlington, NH
Milwaukee, WI
Minneapolis, MN
Bismarck, ND
Pierre, SD
Cheyenne, WY
Billings, MT
Helena, MT

RADON TEST IN PROGRESS

from

_____ to _____

Start Date End Date

Required closed-building conditions (12 hours prior to the test and during the test)	
Keep closed	**Windows & Exterior doors** *(except for momentary use)*
Set to normal	**Heating & Cooling systems** *keep between about 65˚ - 80˚ F)*
Set to lowest outdoor ventilation	**Systems that temporarily ventilate with outdoor air for seasonal comfort or energy savings**
Avoid excessive operation	**Clothes dryers, range hoods and bathroom fans**
Do not operate	**Whole-house and window fans**
	Fireplaces that burn solid, liquid or gas fuels, unless they are the primary sources of heat for the building

RADON TEST IN PROGRESS

from

_____ to _____

Start Date End Date

Required closed-building conditions (12 hours prior to the test and during the test)	
Keep closed	**Windows & Exterior doors** *(except for momentary use)*
Set to normal	**Heating & Cooling systems** *keep between about 65˚ - 80˚ F)*
Set to lowest outdoor ventilation	**Systems that temporarily ventilate with outdoor air for seasonal comfort or energy savings**
Avoid excessive operation	**Clothes dryers, range hoods and bathroom fans**
Do not operate	**Whole-house and window fans**
	Fireplaces that burn solid, liquid or gas fuels, unless they are the primary sources of heat for the building

DEPARTMENT OF HEALTH

Notice of Inspection for Building Occupants

A radon test is scheduled for:

Building: **Woodbury High School**

Test Start Date: **2/9/2026** Test End Date: **2/11/2026**

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

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

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

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

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

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

If you have any questions or concerns, please contact:

Wendy German
South Washington County Schools
Facilities – Health and Safety
wgerman@sowashco.org 651-425-6277

DEPARTMENT OF HEALTH
Radon Measurement Professional
License Number: RMEA-00447
Approved On: 01/13/2025
Wendy German
16620 61st Ave N
Plymouth, MN 55446
License valid from 02/8/2025 to 02/8/2026

DEPARTMENT OF HEALTH
Radon Measurement Professional
License Number: RMEA-00447
Approved On: 01/13/2026
Wendy German
16620 61st Ave N
Plymouth, MN 55446
License valid from 02/8/2026 to 02/8/2027

DEPARTMENT OF HEALTH

Client Commitment to Compliance

Management Commitment:

To the extent reasonably possible, I, on behalf of **Woodbury High School,** 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 where completion is required no later than 12 hours prior to testing.

Authorized Client: **Kyle Uecker, Facilities Director**

Signature: _____ Date: 1/23/26

Building On-Site Supervisor Commitment:

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. **Prior Notifications**: Notices will be distributed to all tested and non-tested dwellings and posted in publicly accessible areas in a timely manner.
2. **Access**: Access will be provided to each location being tested within a building with intent to access all locations on the same day for both the event of placing testing devices and a second event for retrieving test devices.

On-Site Supervisor: **Sarah Sorenson-Wagner, Principal**

Signature: _____ Date: _____

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

Appendix E: Quality Control Measurements

Duplicates: Two devices are placed next to each other for the results to be compared. This measures the accuracy and consistency of the lab, and the quality and reproducibility of the testing kits.

Sample ID	Result	Difference	Pass/Fail
12334191	0.3	0	Pass
12334192	0.3		
12334193	0.3	0	Pass
12334197	0.3		
12334005	0.8	0.1	Pass
12334006	0.7		
12334009	0.5	0.2	Pass
12334010	0.3		
12334015	0.8	0.5	Pass
12334016	0.3		
12334024	0.3	0	Pass
12334025	0.3		
12334040	0.3	0	Pass
12334041	0.3		
12334101	0.6	0.3	Pass
12334102	0.3		
12334135	0.3	0.4	Pass
12334136	0.7		
12334141	0.3	0.4	Pass
12334142	0.7		
12334149	0.3	0	Pass
12334150	0.3		
12334154	0.3	0	Pass
12334155	0.3		
12334169	1.1	0.8	Pass
12334170	0.3		

Blanks: Devices that are sealed immediately and not exposed to air at different times during the testing process. Transit blanks are sent to the lab immediately after receiving the test kits to verify that no radon has been accumulated through transit. Office blanks are sealed on test day to verify that no radon has been accumulated during storage. Field blanks are sealed and placed throughout the buildings being tested.

Type	Sample ID	Result	Pass/Fail
Transit	12334201	< 0.3	Pass
Transit	12334401	< 0.3	Pass
Transit	12333901	< 0.3	Pass
Office	12333907	< 0.3	Pass
Office	12334035	0.8	Pass
Office	12334422	< 0.3	Pass
Field – Faculty Lounge	12334134	< 0.3	Pass
Field – Room 120	12334195	< 0.3	Pass

Field – Room 126	12334168	< 0.3	Pass
Field – Room 217	12334157	< 0.3	Pass
Field – Room 219	12334138	< 0.3	Pass
Field – Room 244	12334144	< 0.3	Pass
Field – Room 255	12334035	< 0.3	Pass

Spikes: devices that are sent to a third-party lab, where it is exposed to a known concentration of radon. The device is then sent to the lab to compare results. This measures the accuracy of the test kits.

Sample ID	Exposed	Result	Pass/Fail
12334065	27.1	28	Pass
12334073	27.1	25.8	Pass
12334082	27.1	25.5	Pass
12334089	27.1	23.7	Pass
12334373	27.1	23.7	Pass
12334374	27.1	23.2	Pass