

Short-Term Radon Measurement Assessment Report

Nevada High School

825 15th Street

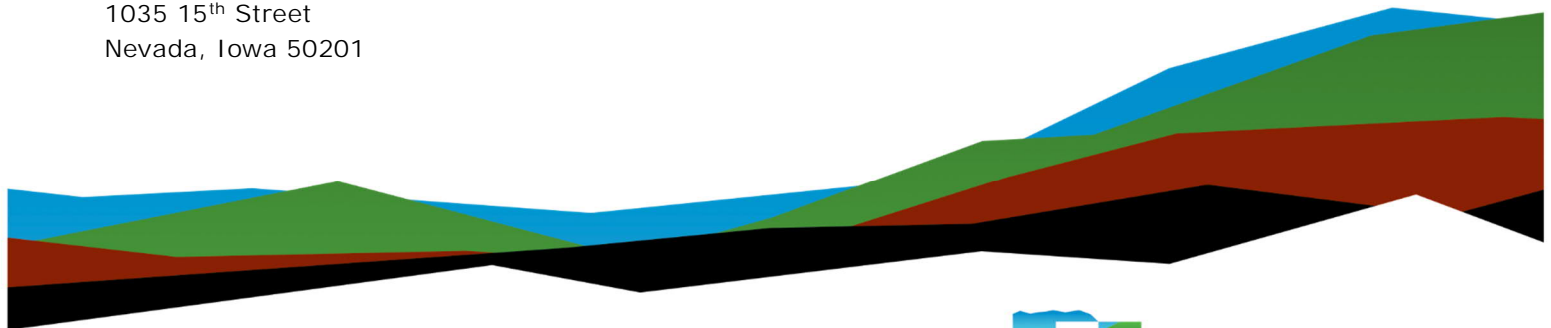
Nevada, Iowa 50201

April 29, 2024 | Project Number: 08237091R

Prepared for:



Nevada Community School District
1035 15th Street
Nevada, Iowa 50201



Nationwide
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April 29, 2024

Nevada Community School District
1035 15th Street
Nevada, Iowa 50201

Attn: Mr. Dave Kroese
P: (515) 291-4054
E: dkroese@nevada.k12.ia.us

Re: Short-Term Radon Measurement Assessment Report
Nevada High School
825 15th Street
Nevada, Iowa 50201
Terracon Project No. 08237091R

Dear Mr. Kroese:

Terracon Consultants, Inc. (Terracon) collected short-term radon measurements at Nevada High School on behalf of the Nevada Community School District (NCSD). This measurement event was conducted in accordance with Terracon's Proposal No. P08237091 dated May 2, 2023. Terracon collected short-term radon measurements from January 16 to 19, 2024, and conducted retesting activities from March 4 to 7, 2024. The objective of this work was to evaluate radon concentrations within the school in response to the new Iowa House File 2412 act requiring all Iowa public school districts to perform radon testing at each of the attendance centers by July 1, 2027.

Terracon appreciates the opportunity to provide services to you. If we can provide additional environmental, occupational health, or safety-related services, please contact us at (515) 244-3184.

Sincerely,
Terracon Consultants, Inc.

Prepared by:

A handwritten signature in black ink, appearing to read "Austin J. Potthoff".

Austin J. Potthoff
Project Manager

Reviewed by:

A handwritten signature in blue ink, appearing to read "J. Rush Bowers".

J. Rush Bowers, CIH, CSP
Senior Industrial Hygiene Consultant
Authorized Project Reviewer

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1.0 Field Activities

1.1 Initial Short-Term Testing

Radon measurements were collected from January 16 to 19, 2024, by a State of Iowa certified radon measurement specialist in accordance with Terracon's Radon Testing Quality Assurance Plan for Activated Charcoal Adsorption (QAP) and the American National Standards Institute (ANSI) / American Association of Radon Scientists and Technologies (AARST) Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings. Terracon's QAP is based on guidelines set forth by the United States Environmental Protection Agency (USEPA) and the Iowa Department of Public Health (IDPH). Radon measurements were collected by Mr. Austin Potthoff (certification number RNTST10075). A copy of Mr. Potthoff's certification can be found in Appendix C.

Terracon informed NCSD that closed-building conditions would be required beginning 12 hours prior to the test and continuing for the duration of the test. Terracon did not observe deviations from the closed-building conditions while placing or upon retrieval of the devices.

The radon devices were placed between two feet and less than eight feet above the floor surface, a minimum of one foot from exterior walls, in areas of normal air circulation, away from air vents, and a minimum of three feet from exterior doors and windows. Heating, ventilating, and air-conditioning (HVAC) systems in the areas were set to auto and appeared to be operating during the measurement period. Terracon collected 91 measurements in the building using activated charcoal devices obtained from an Iowa-certified laboratory. Terracon submitted three field blanks, two lab blanks, and nine duplicates to the laboratory for quality control purposes. Field logs from the initial testing period summarizing the analytical results, measurement locations, blanks, and duplicates can be found in Appendix A of this report.

The activated charcoal devices used for the testing were shipped under chain-of-custody to AirChek, Inc., in Mills River, North Carolina for analysis to detect gamma rays by scintillation counting using sodium iodide detectors. AirChek, Inc. is an Iowa-certified radon laboratory (#L00009).

1.2 Short-Term Re-testing

Terracon collected additional short-term measurements from March 4 to 7, 2024, in initially tested spaces indicated to have radon levels above the action level of 4.0 pCi/L. USEPA and IDPH guidance indicates spaces with initial testing results at or above 4.0 pCi/L should be re-tested, and results averaged with initial testing results to determine the possible need for

mitigation. NCSD elected to test all of the spaces in the IMC area, including those that tested below the USEPA action level, as an added precaution.

2.0 Radon Guidance

The following has been excerpted from the ANSI/AARST¹ Protocol for Conducting Radon Measurements in Schools and Large Buildings (MALB-2014), Section II: iv, Guidance for Building Managers and reflects guidance from the USEPA regarding recommended actions based on initial radon testing:

- 4.0 picoCuries per liter (pCi/L) or greater: If testing indicates radon concentrations equal to or greater than 4.0 pCi/L, reduce the radon to below 4.0 pCi/L in any office area, classroom, exercise facility, meeting room, dining area or other common area. The higher the radon concentration, the more quickly action should be taken to reduce the concentrations.
- Below 4.0 pCi/L: Radon concentrations below 4.0 pCi/L still pose a risk to occupants. Consider fixing the building if test results indicate radon concentrations between 2.0 and 4.0 pCi/L. Note that reducing and accurately confirming radon concentrations of about 2.0 pCi/L or below may be difficult. If test results are below the action level, confirm the low results by testing again, at least every 5 years and whenever significant changes to the building's structure or mechanical systems occur.
- Non-Residential Rooms/Enclosed Spaces: Radon concentrations should be reduced if either of these areas are occupiable with little or no modification and/or these areas serve as a source of radon into occupied areas of upper story floors that have radon concentrations equal to or greater than 4.0 pCi/L.

3.0 Summary of Findings

3.1 Initial Testing

Analytical results indicated that radon concentrations were detected above 4.0 pCi/L in some of the samples collected. Radon concentrations ranged from less than (<) 0.3 to 4.4 pCi/L. Analytical results for devices collected for quality control purposes were found to be

¹ American National Standards Institute/American Association of Radon Scientists and Technologists

within control limits. These results are used to help measure precision and evaluate bias associated with radon concentration measurements. The laboratory report is attached.

Rooms with reported radon concentrations greater than the 4.0-pCi/L EPA action level are highlighted in the analytical report in Appendix B and include:

- IMC-1 (4.0 pCi/L) Note that the average of the two measurements in this common space is 3.85 pCi/L, which is below the EPA action level.
- IMC-C (4.4 pCi/L)

Based on conversations with NCS D representative, Mr. Dave Kroese, following delivery of the initial testing results, it is believed the open subgrade tunnel space access point located adjacent to the east of the IMC spaces could be responsible for supplying air with elevated radon levels into these spaces. Mr. Kroese indicated he would attempt to cover the tunnel access and/or limit the air exchange between the tunnels and the IMC spaces prior to re-testing.

Please note that there is some uncertainty associated with radon measurements. Factors that effect this uncertainty include but are not limited to, variations related to seasonal weather and operation of building mechanical equipment. Even during normal weather, indoor radon levels may rise and fall by a factor of two on a daily cycle; for example, from 5 pCi/L to 10 pCi/L in 24 hours. During rapidly changing or stormy weather, the levels may change more dramatically. Bear in mind that any radon test returns only the average of the levels present during the time of testing at the precise location of the test. Conditions during a different test period or at a different location in the building are expected to be different.

3.2 Re-Testing

Re-testing locations and results are indicated below:

- IMC-1 (1.0 pCi/L)
- IMC-2 (1.1 pCi/L)
- IMC-A (1.4 pCi/L)
- IMC-B (1.3 pCi/L)
- IMC-C (1.2 pCi/L)

The average of these re-testing results with their respective initial testing results are all below the USEPA action level.

4.0 Recommendations

Based on the analytical results of the radon measurements and USEPA and IDPH guidance, Terracon recommends the following:

- The air exchange between the tunnel system access point east of the IMC spaces and the IMC spaces should be limited to the extent possible. A mitigation system to better ventilate the air in the tunnel spaces should be considered.

Additional testing should take place when one or more of the following conditions are met:

- A new addition is added;
- HVAC equipment is added, removed, replaced, operated differently or improperly maintained;
- Significant changes to the slab or foundation, such as major cracks or penetrations from natural settling, or water proofing or groundwater control efforts;
- An installed mitigation system is altered, modified, or repaired;
- A ground contact area that was not previously tested is occupied; or
- Every 5 years based on Iowa House File 2412.

5.0 General Comments

This radon measurement event was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, and recommendations expressed in this report are based on conditions observed during our testing of the building. The information contained in this report is relevant to the date on which this testing was conducted and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the Nevada Community School District, for specific application to their project as discussed. This report is not a bidding document. Contractors, consultants, or others reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information that may have been used in the preparation of this report. No warranty, express or implied is made.

Appendix A: Terracon Field Logs

Terracon Consultants, Inc.

Activated Charcoal Field Log and Custody Log

Building Name: Nevada High School
 Building Address: 875 15th Street
 Device Placement Performed by: Austin Potthoff Device Retrieval Performed by: Austin Potthoff
 Signatures: *Austin Potthoff* *Austin Potthoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Temp. (F)	Measured Value	Comments
✓ 11712726	Staff lounge	1/16	7:55	1/19	6:28	70°	See Results	
✓ 11712607	33		7:56		6:30			
✓ 11712731	20		7:58		6:31			
✓ 11712736	19		7:59		6:32			
✓ 11712732	18		8:00		6:33			
✓ 11712733	IMC-1		8:02		6:34			
✓ 11712734	IMC-2		8:04		6:35			
✓ 11712735	IMC-A		8:05		6:35			
✓ 11712737	IMC-B		8:06		6:36			
✓ 11717738	IMC-C		8:08		6:37			
✓ 11712740	IMC-D		8:09		6:38			
✓ 11712739	IMC-E		8:12		6:39			
✓ 11712741	IMC-F		8:14		6:40			
✓ 11712743	5		8:17		6:42			
✓ 11712742	6		8:22		6:44			

Terracon Consultants, Inc.

Activated Charcoal Field Log and Custody Log

Building Name: Nevada High School
 Building Address: 425 15th Street
 Device Placement Performed by: Austin Potthoff Device Retrieval Performed by: Austin Potthoff
 Signatures: *Austin Potthoff* *Austin Potthoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Temp. (F)	Measured Value	Comments
✓ 11712744	6A	1/16	8:24	1/19	6:46	70°	See Results	
✓ 11712746	8		8:26		6:48			
✓ 11712747	9		8:28		6:49			
✓ 11712748	10		8:29		6:49			
✓ 11712749	4		8:30		6:50			
✓ 11712750	3		8:31		6:51			
✓ 11712752	2		8:32		6:52			
✓ 11712751	1		8:33		6:52			
✓ 11712753	11		8:35		6:53			
✓ 11712754	12		8:36		6:54			
✓ 11712756	13		8:37		6:55			
✓ 11712759	13A		8:38		6:56			
✓ 11712757	25		8:40		6:57			
✓ 11712760	14		8:42		6:57			
✓ 11712761	15		8:44		6:58			

Terracon Consultants, Inc.

Activated Charcoal Field Log and Custody Log

Building Name: Nevada High School
 Building Address: 475 15th Street
 Device Placement Performed by: Austin Potthoff Device Retrieval Performed by: Austin Potthoff
 Signatures: *Austin Potthoff* *Austin Potthoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Temp. (F)	Measured Value	Comments
✓ 11712762	16	1/16	8:44	1/19	6:59	70°	See Results	
✓ 11712765	17		8:46		6:59			
✓ 11712764	21		8:47		7:00			
✓ 11712766	22		8:49		7:00			
✓ 11712767	23		8:50		7:01			
✓ 11712768	24		8:51		7:02			
✓ 11712771	26		8:52		7:03			
✓ 11712772	27		8:54		7:04			
✓ 11712773	27A		8:55		7:04			
✓ 11712774	28		8:56		7:05			
✓ 11712769	28A		8:58		7:06			
✓ 11712775	30		9:00		7:07			
✓ 11712770	30A		9:01		7:08			
11712776	28		9:02		7:09			
✓ 11712776	29		9:03		7:10			

Terracon Consultants, Inc.

Activated Charcoal Field Log and Custody Log

Building Name: Nevada High School
 Building Address: 475 15th Street
 Device Placement Performed by: Austin Potthoff Device Retrieval Performed by: Austin Potthoff
 Signatures: *Austin Potthoff* *Austin Potthoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Temp. (F)	Measured Value	Comments
✓ 11712777	29A	1/16	9:10	1/19	7:11	70°	See Results	
✓ 11712779	Woodshop		9:15		7:11			
✓ 11712780	Metals		9:17		7:12			
✓ 11712782	31		9:18		7:13			
✓ 11712781	Kitchen office		9:20		7:14			
✓ 11712778	Cafe A		9:24		7:14			
✓ 11712783	Cafe B		9:28		7:15			
✓ 11712784	Food Service		9:31		7:18			
✓ 11712789	35		9:33		7:20			
✓ 1171788	35A		9:36		7:21			
✓ 11712786	Aud A		9:38		7:24			
✓ 11712785	Aud B		9:40		7:27			
✓ 11712791	Scene class		9:41		7:28			
✓ 11712792	Dressing - ben		9:43		7:30			
✓ 11712790	Men's D		9:44		7:32			

Terracon Consultants, Inc.

Activated Charcoal Field Log and Custody Log

Building Name: Nevada High School
 Building Address: 375 15th Street
 Device Placement Performed by: Austin Potthoff Device Retrieval Performed by: Austin Potthoff
 Signatures: *Austin Potthoff* *Austin Potthoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Temp. (F)	Measured Value	Comments
✓ 11712796	Women's	1/16	9:52	1/19	7:32	70°	See Results	
✓ 11712794	Main office		9:54		7:34			
✓ 11712795	Artwork room		9:56		7:34			
✓ 7409336	Conference 1		9:57		7:35			
✓ 7409334	Conference 2		9:58		7:39			
✓ 7409333	Conference 3		9:59		7:50			
✓ 7409332	Academic Coach		10:02		7:51			
✓ 7409331	Guidance Main		10:05		7:52			
✓ 7409318	Small Gym A		10:08		7:53			
✓ 7409317	B		10:10		7:54			
✓ 7409316	C		10:12		7:55			
✓ 7409315	TV Room		10:13		7:56			
✓ 7409311	Gym A		10:15		7:57			
✓ 7409312	Gym B		10:18		7:58			
✓ 7409313	Gym Con.		10:22		7:58			

Terracon Consultants, Inc.

Activated Charcoal Field Log and Custody Log

Building Name: Nevada High School
 Building Address: 575 15th Street
 Device Placement Performed by: Austin Pothoff Device Retrieval Performed by: Austin Pothoff
 Signatures: *Austin Pothoff* *Austin Pothoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Temp. (F)	Measured Value	Comments
✓ 7409314	women's coach	1/16	10:24	1/19	8:00	70°	See Results	
✓ 7409310	Men's Coach		10:26		8:05			
✓ 7409326	Weight A		10:28		8:06			
✓ 7409327	Weight B		10:30		8:08			
✓ 7409325	Track A		10:32		8:10			
✓ 7409324	Track B		10:36		8:13			
✓ 7409323	Maintenance		10:39		8:15			
✓ 7409319	Choir		10:42		8:16			
✓ 7409320	Choir A		10:43		8:17			
✓ 7409321	Choir B		10:45		8:18			
✓ 7409342	Band		10:47		8:19			
✓ 7409343	Band A		10:49		8:20			
✓ 7409309	Band B		10:50		8:21			
11712798	Small conference A		9:58		7:45			
11712799	Activity Dir		10:00		7:46			

Terracon Consultants, Inc.

Activated Charcoal Duplicate Log

Building Name: Nevada High School
 Building Address: 575 15th Street
 Device Placement Performed by: Austin Potthoff Device Retrieval Performed by: Austin Potthoff
 Signatures: *Austin Potthoff* *Austin Potthoff*

Test Kit #	Room #/ ID	Start Date	Start Time	Stop Date	Stop Time	Measured Value	Comments/ RPD
✓ 11712730	20	1/16	7:58	1/19	6:31	See Results	
✓ 11712745	8		8:26		6:48		
✓ 11712755	12		8:36		6:54		
✓ 11712758	25		8:40		6:57		
✓ 11712787	Food Service		9:31		7:18		
✓ 11712792	Main Office		8:54		7:34		
✓ 7409335	Conference		9:57		7:35		
✓ 7409329	Guidance		10:04		7:48		
✓ 7409322	Maintenance		10:39		8:15		

RPD = (Larger Result - Smaller Result / Average of Both Results) x 100

Appendix B: AirChek Analytical Reports

Radon test result report for:
NEVADA COMMUNITY SCHOOL DISTRICT
NEVADA HIGH SCHOOL

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11712751	1	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
11712748	10	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712753	11	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.6 ± 0.3	2024-01-22
11712754	12	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.9 ± 0.3	2024-01-22
11712756	13	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.9 ± 0.3	2024-01-22
11712759	13A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.7 ± 0.3	2024-01-22
11712760	14	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.7 ± 0.3	2024-01-22
11712761	15	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.0 ± 0.3	2024-01-22
11712762	16	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.9 ± 0.3	2024-01-22
11712763	16 OFFICE	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	< 0.3	2024-01-22
11712765	17	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.0 ± 0.3	2024-01-22
11712732	18	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712736	19	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712752	2	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.0 ± 0.3	2024-01-22
11712731	20	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	1.0 ± 0.3	2024-01-22
11712764	21	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.8 ± 0.3	2024-01-22
11712766	22	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712767	23	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.0 ± 0.3	2024-01-22
11712768	24	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
11712757	25	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.8 ± 0.3	2024-01-22
11712771	26	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712772	27	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.3 ± 0.3	2024-01-22
11712773	27A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.5 ± 0.3	2024-01-22
11712774	28	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.8 ± 0.3	2024-01-22
11712769	28A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712776	29	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.6 ± 0.3	2024-01-22
11712777	29A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.7 ± 0.3	2024-01-22
11712750	3	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.8 ± 0.3	2024-01-22
11712775	30	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
11712770	30A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.3 ± 0.3	2024-01-22
11712782	31	2024-01-16 @ 10:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
11712602	33	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	0.9 ± 0.3	2024-01-22
11712789	35	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
11712788	35A	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
11712749	4	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712743	5	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.9 ± 0.3	2024-01-22
11712742	6	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.7 ± 0.3	2024-01-22

Radon test result report for:

**NEVADA COMMUNITY SCHOOL DISTRICT
NEVADA HIGH SCHOOL**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11712744	6A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.8 ± 0.3	2024-01-22
11712746	8	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712745	8A	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712747	9	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
7409332	ACADEMIC COACH	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.6 ± 0.3	2024-01-22
11712799	ACTIVITY DIRECTOR	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
11712786	AUDITORIUM A	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
11712785	AUDITORIUM B	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
7409342	BAND	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.5 ± 0.3	2024-01-22
7409343	BAND A	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.1 ± 0.3	2024-01-22
7409309	BAND B	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.5 ± 0.3	2024-01-22
7409337	BUILDINGS AND GROUNDS OFFICE	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	< 0.3	2024-01-22
11712778	CAFé A	2024-01-16 @ 10:00 am	2024-01-19 @ 7:00 am	1.4 ± 0.3	2024-01-22
11712783	CAFé B	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
7409319	CHOIR	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.7 ± 0.3	2024-01-22
7409320	CHOIR A	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.9 ± 0.3	2024-01-22
7409321	CHOIR B	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.7 ± 0.3	2024-01-22
11712794	CONFERENCE 1	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
7409336	CONFERENCE 1	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.7 ± 0.3	2024-01-22
7409334	CONFERENCE 2	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
7409333	CONFERENCE 3	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	1.0 ± 0.3	2024-01-22
11712792	DRESSING - GENERAL	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.7 ± 0.3	2024-01-22
11712784	FOOD SERVICE	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
11712787	FOOD SERVICE OFFICE	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
7409330	GUIDANCE	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
7409331	GUIDANCE - MAIN	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
7409311	GYM A	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	0.7 ± 0.3	2024-01-22
7409312	GYM B	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	1.3 ± 0.3	2024-01-22
7409313	GYM CONFERENCE	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	1.3 ± 0.3	2024-01-22
11712733	IMC-1	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	4.0 ± 0.4	2024-01-22
11712734	IMC-2	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	3.7 ± 0.4	2024-01-22
11712735	IMC-A	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	3.3 ± 0.4	2024-01-22
11712737	IMC-B	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	3.0 ± 0.3	2024-01-22
11712738	IMC-C	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	4.4 ± 0.4	2024-01-22
11712740	IMC-D	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	2.7 ± 0.3	2024-01-22
11712739	IMC-E	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	2.7 ± 0.3	2024-01-22
11712741	IMC-F	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	2.5 ± 0.3	2024-01-22

Radon test result report for:

**NEVADA COMMUNITY SCHOOL DISTRICT
NEVADA HIGH SCHOOL**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7409329	JANITOR'S OFFICE	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
11712781	KITCHEN OFFICE	2024-01-16 @ 10:00 am	2024-01-19 @ 7:00 am	1.8 ± 0.4	2024-01-22
7409339	LUNCH OFFICE	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	< 0.3	2024-01-22
11712796	MAIL ROOM	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.7 ± 0.3	2024-01-22
7409323	MAINTENANCE OFFICE	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	1.1 ± 0.3	2024-01-22
7409310	MEN'S COACH OFFICE	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	0.6 ± 0.3	2024-01-22
11712790	MEN'S DRESSING	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.6 ± 0.3	2024-01-22
11712780	METALS LAB	2024-01-16 @ 10:00 am	2024-01-19 @ 7:00 am	1.1 ± 0.3	2024-01-22
11712800	PRINCIPAL	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	< 0.3	2024-01-22
11712791	SCENE CLASS	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	1.2 ± 0.3	2024-01-22
11712798	SMALL CONFERENCE A	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	1.1 ± 0.3	2024-01-22
7409318	SMALL GYM A	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
7409317	SMALL GYM B	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.6 ± 0.3	2024-01-22
7409316	SMALL GYM C	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
11712726	STAFF LOUNGE	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
11712755	STAFF OFFICE	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	1.5 ± 0.3	2024-01-22
7409340	STAFF UTILITY ROOM	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	< 0.3	2024-01-22
11712795	STAFF WORK ROOM	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.9 ± 0.3	2024-01-22
11712758	STUDENT LOUNGE	2024-01-16 @ 9:00 am	2024-01-19 @ 7:00 am	0.8 ± 0.3	2024-01-22
7409335	STUDY HALL	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.7 ± 0.3	2024-01-22
11712730	TEACHER'S OFFICE	2024-01-16 @ 8:00 am	2024-01-19 @ 7:00 am	0.9 ± 0.3	2024-01-22
7409325	TRACK A	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	1.0 ± 0.3	2024-01-22
7409324	TRACK B	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	0.5 ± 0.3	2024-01-22
7409315	TV ROOM	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	1.1 ± 0.3	2024-01-22
11712797	UTILITY OFFICE	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	< 0.3	2024-01-22
7409322	VISITOR'S OFFICE	2024-01-16 @ 11:00 am	2024-01-19 @ 9:00 am	1.1 ± 0.3	2024-01-22
7409326	WEIGHT ROOM A	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
7409327	WEIGHT ROOM B	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	1.5 ± 0.3	2024-01-22
7409314	WOMEN'S COACH OFFICE	2024-01-16 @ 11:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22
11712779	WOODSHOP	2024-01-16 @ 10:00 am	2024-01-19 @ 7:00 am	1.2 ± 0.3	2024-01-22
11712793	WORK ROOM	2024-01-16 @ 10:00 am	2024-01-19 @ 8:00 am	0.8 ± 0.3	2024-01-22

March 8, 2024

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

**NEVADA COMMUNITY SCHOOL DISTRICT
NEVADA HIGH SCHOOL**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7409354	IMC-1	2024-03-04 @ 9:00 am	2024-03-07 @ 8:00 am	1.0 ± 0.3	2024-03-08
7409358	IMC-2	2024-03-04 @ 9:00 am	2024-03-07 @ 9:00 am	1.1 ± 0.3	2024-03-08
7409338	IMC-A	2024-03-04 @ 9:00 am	2024-03-07 @ 9:00 am	1.4 ± 0.3	2024-03-08
7409346	IMC-B	2024-03-04 @ 9:00 am	2024-03-07 @ 9:00 am	1.3 ± 0.3	2024-03-08
7409350	IMC-C	2024-03-04 @ 9:00 am	2024-03-07 @ 8:00 am	1.2 ± 0.3	2024-03-08
7409328	MEDIA - MAIN	2024-03-04 @ 9:00 am	2024-03-07 @ 9:00 am	1.0 ± 0.3	2024-03-08
7413864	MEDIA A	2024-03-04 @ 9:00 am	2024-03-07 @ 9:00 am	< 0.3	2024-03-08

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

Appendix C: Staff Radon License

**Bureau of Radiological Health
Radon Measurement Specialist Certification**

Austin Potthoff

Certification #: RNTST10075

Has complied with the requirements and is hereby authorized to perform radon testing pursuant to Iowa code 136B and 641 Iowa Administrative Code Chapter 43.

Approved Testing Methods:
AT-Alpha-Track Detection
CC-Activated Charcoal Adsorption

Expiration: June 30, 2024



CEU Due Date: June 30, 2024

Radiological Health | Iowa Department of Public Health | Lucas State Office Building | Des Moines, IA 50319

Fold here to mail - Cut here to display

Austin Potthoff
785 SE WESTGATE DRIVE
WAUKEE, IA 50263
UNITED STA

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