



Cascade Environmental LLC

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March 23, 2021

Mr. Larry Hampton
Newberg School District 29J
703 South Blaine
Newberg, OR 97132

**Re: Radon Testing & Analysis Report
Newberg High School
2400 Douglas Avenue
Newberg, Oregon 97132
Cascade Environmental Project No. 03232020-01**

Dear Mr. Hampton:

Cascade Environmental is pleased to present this letter report which details the findings of radon sampling conducted at the above referenced facility located in Newberg, Yamhill County, Oregon. The purpose of this study was to determine if levels of radon within the select subgrade and ground floor rooms are above the Environmental Protection Agency's (EPA) recommended action level for radon. The sampling was conducted in compliance with Oregon Revised Statute (ORS) 332.166-167. Sampling was conducted per the protocols provided in "Testing for Elevated Radon Levels in Oregon, A Protocol and Plan" (The protocol) produced by the Oregon Health Authority.

Introduction

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. Radon gas may enter the lowest level of a building through floor cracks, structural joints, or plumbing conduits. The EPA's recommended action level for annual exposure to radon gas is 4.0 picoCuries per liter of air (pCi/L). This recommended action level is not a regulatory requirement, but is the level at which the EPA recommends that building owners take action to reduce the level.

Sampling Methodology – Short-term Testing

Cascade Environmental conducted a survey for radon gas in all frequently occupied rooms in contact with the soil, whether the contact was slab-on-grade, a basement, a room above a crawl space or any combination of the above. A total of one-hundred and seventy-one (171) rooms were tested from March 23, 2020 through March 27, 2020. Sampling was conducted by Mr. Robert Burns, Industrial Hygienist with Cascade Environmental and Mr. Larry Hampton, District Risk Management Supervisor with Newberg School District. In addition, seventeen (17) duplicate samples, nine (9) blank samples and five (5) spike samples were collected for quality control purposes per the protocol. The survey was performed to determine the potential presence of radon gas concentrations, and to develop recommendations for follow-up testing and/or potential mitigation systems as necessary. The Liquid Scintillation canisters were left in place for no less than 48 hours and no longer than 96 hours, in accordance with the sampling protocol provided by the laboratory. The open canisters were placed at breathing air level under normal occupancy conditions. To ensure the canisters would be in place at the end of the sampling period, sample locations were identified in areas where the potential for disturbance was minimal. A total of two-hundred and twenty (220) canisters (including duplicates, blanks, spikes and additional samples collected in rooms larger than 2,000 square feet) were collected, sealed, and forwarded for analysis to AccuStar



Labs in Medway, Massachusetts and were analyzed using EPA Method 402-R-92-004. The spike samples were submitted to Kansas State University in Manhattan, Kansas to be “spiked” with a known amount of radon prior to submittal to AccuStar Labs for quality control purposes. The laboratory analytical reports are included in Appendix A.

The following tables summarize the results of the short-term radon gas samples collected from the facility:

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
01	Front Office	Main	2.8
02	Back Office Area	Main	2.2
03	Back Office Area (Duplicate)	Main	2.7
04	B-101	Main	3.5
05	B-102	Main	4.5
06	B-103	Main	3.8
07	B-109 Storage Office	Main	3.5
08	B-104	Main	3.5
09	B-105	Main	3.3
10	B-105A	Main	3.3
11	B-106	Main	3.3
12	B-106A	Main	3.9
13	A-107 A	Main	3.1
14	A-107B	Main	3.7
15	A-109	Main	4.1
16	A-1210	Main	3.6
17	A-118	Main	3.2
18	A-117	Main	3.0
19	A-116	Main	4.0
20	A-115	Main	3.3
21	A-112	Main	4.0
22	Main Office Conference	Main	3.0

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
23	Counseling Main	Main	4.7
24	A-121	Main	4.4
25	Health Room	Main	2.8
26	A-122	Main	2.5
27	A-128	Main	4.8
28	Counseling Staff	Main	5.5
29	A-125	Main	2.7
30	A-126	Main	5.0
31	A-127	Main	5.3
32	F-101A	Main	2.5
33	A-102	Main	1.9
34	A-135	Main	2.0
35	A-101	Main	1.7
36	A-105	Main	1.2
37	A-104	Main	0.8
38	A-103	Main	1.5
39	A-130	Main	1.7
40	C-101	Main	6.4
41	C-101 (Duplicate)	Main	5.7
42	C-105	Main	6.0
43	C-102	Main	4.4
44	C-103	Main	5.7
45	C-104	Main	4.5
46	C-109- Reception Area	Main	5.1
47	C-109- Small Office 1	Main	4.7

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
48	C-109- Small Office 2	Main	5.5
49	C-109- Small Office 3	Main	5.1
50	C-106	Main	5.4
51	C-107	Main	5.4
52	C-108	Main	4.4
53	Staff Workroom	Main	5.1
54	D-101	Main	3.8
55	D-101 (Duplicate)	Main	4.1
56	D-102	Main	4.6
57	D-103	Main	4.3
58	D-108 Reception Area	Main	4.2
59	D-108 Small Office 1	Main	3.8
60	D-108 Small Office 2	Main	4.7
61	D-108 Small Office 3	Main	4.5
62	D-104	Main	4.9
63	D-105	Main	3.8
64	D-106	Main	5.0
65	D-107	Main	3.8
66	G-101	Main	3.0
67	G-101(Duplicate)	Main	2.7
68	G-101 (Blank)	Main	<0.4
69	G-115	Main	3.6
70	G-105	Main	3.9
71	G-102	Main	3.1
72	G-103	Main	3.0

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
73	G-104	Main	2.8
74	G-109	Main	2.0
75	G-106	Main	3.3
76	G-107	Main	3.0
77	G-108	Main	2.5
78	G-108 (Duplicate)	Main	2.5
79	F-105	Main	2.3
80	F-105 (Duplicate)	Main	2.2
81	F-104	Main	2.9
82	F-106	Main	2.7
83	F-107	Main	2.0
84	F Custodial Break Room	Main	2.2
85	F-108	Main	3.0
86	F-101	Main	2.9
87	F-101 (Duplicate)	Main	2.5
88	F-109 Book Depository	Main	2.7
89	F-102	Main	2.7
90	F-103	Main	2.6
91	E-102	Main	1.7
92	E-102 (Duplicate)	Main	1.7
93	E-103	Main	1.2
94	803 Small Office	Main	1.5
95	812 Small Workroom	Main	2.0
96	E-101	Main	1.4
97	E-107	Main	1.7

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
98	E-104	Main	1.3
99	E-105	Main	1.2
100	E-106	Main	0.8
101	E-111A & B	Main	1.6
102	E-108	Main	1.6
103	E-109	Main	1.9
104	E-110	Main	1.7
105	H-101	Main	0.8
106	H-101 (Duplicate)	Main	1.0
107	H-101 (Blank)	Main	<0.4
108	H-106	Main	0.7
109	H-103	Main	0.7
110	H-104	Main	1.0
111	H-104 Office	Main	0.5
112	H-102	Main	<0.4
113	H-102 Office	Main	0.7
114	J-101	Main	<0.4
115	J-101 (Duplicate)	Main	<0.4
116	J-101 (Blank)	Main	<0.4
117	J-116	Main	0.6
118	J-117	Main	0.5
119	J-103	Main	0.6
120	J-118	Main	0.6
121	J-120	Main	0.6
122	J-122	Main	0.5

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
123	J-106	Main	0.8
124	J-105	Main	0.6
125	J-104	Main	0.6
126	J-107	Main	1.1
127	J-107 (Duplicate)	Main	0.8
128	J-107 Office	Main	0.9
129	J-108	Main	1.2
130	J-115	Main	0.7
131	J-115C	Main	1.0
132	J-131	Main	1.0
133	J-130	Main	0.9
134	J-132	Main	0.9
135	J-114	Main	1.3
136	J-129	Main	0.8
137	J-128	Main	0.7
138	J-113	Main	0.9
139	J-112	Main	1.4
140	J-109	Main	1.0
141	J-110	Main	0.9
142	J-125	Main	1.2
143	J-133	Main	0.8
144	J-111	Main	1.0
145	K-Lobby	Main	1.5
146	K-Office	Main	4.6
147	K-Office (Duplicate)	Main	3.6

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
148	K-Office (Blank)	Main	<0.4
149	K-107	Main	2.6
150	K-108	Main	2.7
151	K-109	Main	2.3
152	K-Staff	Main	1.2
153	Bldg. 17, L-101, Choir Room	Main	1.6
154	Bldg. 17, L-102 Strings Room	Main	0.9
155	Bldg. 17, L-103 Band Room	Main	1.0
156	Bldg. 17, L-Office (Off Lobby)	Main	1.3
157	Bldg. 17, L-Office (Off Lobby) (Duplicate)	Main	1.3
158	Bldg. 17, L-Office (Off Lobby) (Blank)	Main	<0.4
159	Bldg. 17, L-Box Office	Main	1.3
160	Bldg. 17, L-Ensemble -Practice Room	Main	0.9
161	Bldg. 14 Auxiliary Gym	Main	<0.4
162	Bldg. 14 Auxiliary Gym	Main	0.4
163	Bldg. 14 Auxiliary Gym	Main	<0.4
164	Bldg. 14 Auxiliary Gym	Main	<0.4
165	Bldg. 14 Auxiliary Gym	Main	<0.4
166	Bldg. 14 Aux Gym-Small Office	Main	0.4
167	Bldg. 14 Aux Gym-Small Office (Duplicate)	Main	0.6
168	Bldg. 14 Aux Gym-Small Office (Blank)	Main	<0.4
169	Main Gym (25,920 SF)	Main	0.5
170	Main Gym	Main	0.5
171	Main Gym	Main	0.4
172	Main Gym	Main	0.5

**Table 1
Short-term Sampling Results
Newberg High School
2400 Douglas Avenue
Newberg, Oregon 97132
Radon Survey Results 2020**

Sample Number	Location	Floor	Results (pCi/L)
173	Main Gym	Main	0.4
174	Main Gym	Main	0.4
175	Main Gym	Main	0.4
176	Main Gym	Main	0.5
177	Main Gym	Main	0.5
178	Main Gym	Main	<0.4
179	Main Gym	Main	0.5
180	Main Gym	Main	0.5
181	Main Gym	Main	0.4
182	Main Gym Boys Training Room 1	Main	0.5
183	Main Gym Boys Office 1	Main	0.4
184	Main Gym - Boys PE Office (Duplicate)	Main	0.8
185	Main Gym Boys PE Office (Blank)	Main	0.8
186	Main Gym Boys PE Office	Main	<0.4
187	Main Gym Boys Office	Main	0.6
188	Main Gym Girls PE Office 547	Main	1.1
189	Main Gym Girls Office 553	Main	1.5
190	Main Gym Girls Pride Room	Main	0.4
191	Main Gym Weight Room (2,400 SF)	Main	0.6
192	Main Gym Weight Room	Main	0.4
193	Main Gym Weight Room Office	Main	0.8
194	Bldgs. 16 M West Gym	Main	2.2
195	Bldgs. 16 M-104 Small Office	Main	2.6
196	Bldgs. 16 M-104 Small Office (Duplicate)	Main	2.2
197	Bldgs. 16 M-104 Small Office (Blank)	Main	<0.4

Table 1 Short-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2020			
Sample Number	Location	Floor	Results (pCi/L)
198	Bldg. 16 M Gym (7,500 SF)	Main	1.6
199	Bldg. 16 M Gym	Main	2.1
200	Bldg. 16 M Gym	Main	2.4
201	Bldg. 16 M Gym	Main	2.1
202	Bldg. 17 Auditorium (8,470 SF)	Main	1.9
203	Bldg. 17 Auditorium	Main	1.7
204	Bldg. 17 Auditorium	Main	1.7
205	Bldg. 17 Auditorium	Main	1.9
206	Bldg. 17 Auditorium	Main	1.6
207	Bldg. 17 Stage	Main	1.6
208	Bldg. 17 Stage	Main	1.5
209	Bldg. 17 Drama/Woodshop	Main	0.6
210	Bldg. 17 Women's Dressing Rm. L-123	Main	0.8
211	Bldg. 17 Men's Dressing Rm. L-121	Main	1.1
212	Bldg. 17 Classroom L-105	Main	1.5
213	Main Commons (7,900 SF)	Main	2.1
214	Main Commons	Main	1.8
215	Main Commons	Main	1.6
216	Main Commons	Main	1.8
217	West Commons (3,900 SF)	Main	1.1
218	West Commons	Main	1.0
219	West Commons (Duplicate)	Main	1.1
220	West Commons (Blank)	Main	<0.4

Results in **Bold** indicate sample results at or above the EPA recommended action level of 4.0 pCi/L.

Table 2 Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Spike Results		
Device Number	Spike Value (pCi/L) (KSU Radon Chamber)	Results (pCi/L) (AccuStar Labs)
4435674	23.9	24.9
4435675	23.9	25.0
4435676	23.9	25.4
4435677	23.9	24.4
4435678	23.9	24.8

RESULTS OF SHORT-TERM TESTING

The short-term radon sample results for Newberg High School, located at 2400 Douglas Avenue in Newberg, Yamhill County, Oregon revealed concentrations of radon gas below the EPA’s recommended action level of 4.0 pCi/L in one-hundred and forty-nine (149) out of the one-hundred and seventy-one (171) rooms tested. The short-term radon sampling results for thirty-two (32) rooms (see Table 1 above) revealed concentrations of radon above the EPA’s recommended action level of 4.0 pCi/L. In addition, the results from the duplicates, blanks and spikes collected for quality control purposes were all within acceptable parameters per the protocol.

Based on the results of the short-term radon testing additional, long-term radon testing was conducted in Rooms the identified thirty-two (32) rooms per the protocol.

Sampling Methodology – Long-term Testing

Cascade Environmental conducted additional sampling in the rooms identified during the initial short-term radon sampling event with results greater than the EPA’s recommended action level of 4.0 pCi/L. A total of thirty-two (32) rooms were tested from April 6, 2020 through December 4, 2020. Sampling was conducted by Mr. Robert Burns, Industrial Hygienist with Cascade Environmental and Mr. Larry Hampton, District Risk Management Supervisor with Newberg School District. In addition, four (4) duplicate samples and two (2) blank samples were collected for quality control purposes per the protocol. The survey was performed to determine the potential presence of radon gas concentrations, and to develop recommendations for follow-up testing and/or potential mitigation systems as necessary. The Alpha Track canisters were left in place for no less than 90 days and no longer than 1 year, in accordance with the sampling protocol provided by the laboratory. The open canisters were placed at breathing air level under normal occupancy conditions. To ensure the canisters would be in place at the end of the sampling period, sample locations were identified in areas where the potential for disturbance was minimal. A total of twenty-five* (25) canisters (including duplicates and blanks) were collected, sealed, and forwarded for analysis to AccuStar Labs in Medway, Massachusetts and were analyzed using EPA Method 402-R-92-004. The laboratory analytical reports are included in Appendix A.

*Please note that nine (9) canisters, including one (1) duplicate, were not found at the time of sample collection (See Table 3 below).

The following table summarizes the results of the long-term radon gas samples collected from the facility:

Table 3 Long-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2018			
Sample #	Location	Initial Short-term Result (pCi/L)	Long-term Results (pCi/L)
LT-01	B-102	4.5	2.2
LT-02	B-102 (Duplicate)	Not Applicable	2.2
LT-03	A-109	4.1	1.9
LT-04	A-116	4.0	Sample Not Found
LT-05	A-112	4.0	2.0
LT-06	Counseling Main	4.7	Sample Not Found
LT-07	A-121	4.4	1.7
LT-08	A-128	4.8	Sample Not Found
LT-09	Counseling Staff	5.5	1.8
LT-10	A-126	5.0	1.6
LT-11	A-127	5.3	1.5
LT-12	C-101	6.4	Sample Not Found
LT-13	C-101 (Duplicate)	5.7	Sample Not Found
LT-14	C-105	6.0	2.4
LT-15	C-102	4.4	2.0
LT-16	C-103	5.7	Sample Not Found
LT-17	C-104	4.5	Sample Not Found
LT-18	C-109- Reception Area	5.1	1.8
LT-19	C-109- Reception Area	Not Applicable	1.6
LT-20	C-109- Small Office 1	4.7	1.9
LT-21	C-109- Small Office 2	5.5	1.5
LT-22	C-109- Small Office 3	5.1	1.7

Table 3 Long-term Sampling Results Newberg High School 2400 Douglas Avenue Newberg, Oregon 97132 Radon Survey Results 2018			
Sample #	Location	Initial Short-term Result (pCi/L)	Long-term Results (pCi/L)
LT-23	C-106	5.4	Sample Not Found
LT-24	C-107	5.4	1.7
LT-25	C-108	4.4	Sample Not Found
LT-26	Staff Workroom	5.1	2.0
LT-27	D-108 Small Office 2	4.7	1.8
LT-28	D-108 Small Office 3	4.5	1.2
LT-29	D-104	4.9	2.0
LT-30	D-106	5.0	1.1
LT-31	K-Office	4.6	2.3
LT-32	K-Office (Duplicate)	3.6	2.4
LT-33	K-Office (Blank)	<0.4	<0.4
LT-34	A-109 (Blank)	Not Applicable	<0.4
LT-35	D-101	4.1	1.2
LT-36	D-102	4.6	1.3
LT-37	D-103	4.3	1.2
LT-38	D-108 Reception Area	4.2	2.6

Results in **Bold** indicate sample results at or above the EPA recommended action level of 4.0 pCi/L.

RESULTS OF LONG-TERM TESTING

The long-term radon sample results revealed concentrations of radon gas below the EPA's recommended action level of 4.0 pCi/L in all of the rooms tested (except as noted below). In addition, the results from the duplicates and blanks collected for quality control purposes were all within acceptable parameters per the protocol.

CONCLUSION

Based on the initial short-term and additional long-term radon sample results for Newberg High School, located at 2400 Douglas Avenue in Newberg, Yamhill County, Oregon revealed concentrations of radon gas below the EPA's recommended action level of 4.0 pCi/L in all of the rooms tested. In addition, the results from the duplicates, blanks and spikes collected for quality control purposes were all within acceptable parameters per the protocol.



Based on the sample results, Cascade Environmental does not recommend further investigation at this time. It should be noted that nine (9) long-term radon test canisters were not recovered from eight (8) locations at the time of sample retrieval. However based on the results (at or below 2.4 pCi/L) from areas in the immediate vicinity of these locations Cascade Environmental concludes that ample data was collected analyzed and reviewed to determine that radon concentrations in these areas would likely be below the EPA action level of pCi/L.

LIMITATIONS

This report provides a summary of the evidence collected and observations made by Cascade Environmental during this assessment. Cascade Environmental performed short-term radon testing to evaluate impacts to selected areas at this single point in time. Actual radon concentrations can vary between sample points, site conditions and usage. This report is based upon the information developed by Cascade Environmental as a result of this one-time sampling and does not guarantee that the site is free of radon or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future.

Thank you for this opportunity to be of service to Newberg School District 29J. If you have any questions, please feel free to contact us at 503-984-9737 or via email at bob@cascadenviro.com.

Sincerely,

Cascade Environmental

A handwritten signature in black ink, appearing to read "R Burns".

Robert Burns
Principal

Attachments: Appendix A – Laboratory Results and Chain-of-Custody Documentation
Appendix B – Site Plans

APPENDIX A

LABORATORY RESULTS &
CHAIN OF CUSTODY DOCUMENTATION

NELAC NY 11769
NRPP 103216 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

Property Tested:

Cascade Environmental
4346 North East 73rd Avenue
Portland OR 97218


New Berg High School
2400 Douglas Avenue
Newberg OR 97132

Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662662	4433980	03/23/2020 8:17 am	03/27/2020 8:00 am	Front Office	2.8
2662663	4433981	03/23/2020 8:18 am	03/27/2020 8:00 am	Back Office Area	2.2
2662664	4433982	03/23/2020 8:19 am	03/27/2020 8:00 am	Back Office Area Duplicate	2.7
2662665	4433993	03/23/2020 8:32 am	03/27/2020 8:30 am	Room B-101	3.5
2662666	4433994	03/23/2020 8:33 am	03/27/2020 8:30 am	Room B-102	4.5
2662667	4433995	03/23/2020 8:33 am	03/27/2020 8:31 am	Room B-103	3.8
2662668	4433996	03/23/2020 8:34 am	03/27/2020 8:31 am	Room B-109 Storage Office	3.5
2662669	4433997	03/23/2020 8:35 am	03/27/2020 8:31 am	Room B-104	3.5
2662670	4433998	03/23/2020 8:36 am	03/27/2020 8:32 am	Room B-105	3.3
2662671	4433999	03/23/2020 8:37 am	03/27/2020 8:32 am	Room B-105A	3.3
2662672	4434000	03/23/2020 8:38 am	03/27/2020 8:33 am	Room B-106	3.3

Comment: Confidential: Release results to client only. Cascade Environmental was e-mailed a copy of this report.

Distributed by: Cascade Environmental

Date Received: 03/30/2020 Date Logged: 03/30/2020 Date Analyzed: 03/31/2020 Date Reported: 04/01/2020

Report Reviewed By: 

Report Approved By: 

Disclaimer:

Shawn Price, Director of Laboratory Operations, AccuStar Labs

The uncertainty of this radon measurement is ~+/- 10 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

NELAC NY 11769
NRPP 103216 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

Property Tested:

Cascade Environmental
4346 North East 73rd Avenue
Portland OR 97218


New Berg High School
2400 Douglas Avenue
Newberg OR 97132

Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662673	4434001	03/23/2020 8:38 am	03/27/2020 8:33 am	Room B-106A	3.9
2662674	4433983	03/23/2020 8:22 am	03/27/2020 8:02 am	Room A-107A	3.1
2662675	4433984	03/23/2020 8:23 am	03/27/2020 8:02 am	Room A-107B	3.7
2662676	4433985	03/23/2020 8:24 am	03/27/2020 8:25 am	Room A-109	4.1
2662677	4433986	03/23/2020 8:25 am	03/27/2020 8:25 am	Room A-110	3.6
2662678	4433987	03/23/2020 8:26 am	03/27/2020 8:26 am	Room A118	3.2
2662679	4433988	03/23/2020 8:27 am	03/27/2020 8:27 am	Room A-117	3.0
2662680	4433989	03/23/2020 8:28 am	03/27/2020 8:27 am	Room A-116	4.0
2662681	4433990	03/23/2020 8:29 am	03/27/2020 8:28 am	Room A-115	3.3
2662682	4433991	03/23/2020 8:30 am	03/27/2020 8:28 am	Room A-112 Workroom	4.0
2662683	4433992	03/23/2020 8:31 am	03/27/2020 8:29 am	Main Office Conference	3.0

Comment: Confidential: Release results to client only. Cascade Environmental was e-mailed a copy of this report.

Distributed by: Cascade Environmental

Date Received: 03/30/2020 Date Logged: 03/30/2020 Date Analyzed: 03/31/2020 Date Reported: 04/01/2020

Report Reviewed By: 

Report Approved By: 

Disclaimer:

Shawn Price, Director of Laboratory Operations, AccuStar Labs

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NRPP 103216 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

Property Tested:

Cascade Environmental
4346 North East 73rd Avenue
Portland OR 97218


New Berg High School
2400 Douglas Avenue
Newberg OR 97132

Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662684	4434002	03/23/2020 8:41 am	03/27/2020 8:34 am	Counseling Main	4.7
2662685	4434003	03/23/2020 8:42 am	03/27/2020 8:35 am	Room A-121	4.4
2662686	4434004	03/23/2020 8:42 am	03/27/2020 8:35 am	Health Room	2.8
2662687	4434005	03/23/2020 8:43 am	03/27/2020 8:35 am	Room A-122	2.5
2662688	4434006	03/23/2020 8:44 am	03/27/2020 8:36 am	Room A-128	4.8
2662689	4434007	03/23/2020 8:44 am	03/27/2020 8:36 am	Conns. Staff	5.5
2662690	4434008	03/23/2020 8:45 am	03/27/2020 8:37 am	Room A-125	2.7
2662691	4434009	03/23/2020 8:47 am	03/27/2020 8:37 am	Room A-126	5.0
2662692	4434010	03/23/2020 8:48 am	03/27/2020 8:38 am	Room A-127	5.3
2662693	4434011	03/23/2020 8:49 am	03/27/2020 8:38 am	Room F-101A	2.5
2662694	4434012	03/23/2020 8:50 am	03/27/2020 8:39 am	Room A-102	1.9

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2662695	4434013	03/23/2020 8:51 am	03/27/2020 8:39 am	Room A-135	2.0
2662696	4434014	03/23/2020 8:52 am	03/27/2020 8:40 am	Room A-101	1.7
2662697	4434054	03/23/2020 9:23 am	03/27/2020 9:01 am	Room A-105	1.2
2662698	4434055	03/23/2020 9:24 am	03/27/2020 9:01 am	Room A-104	0.8
2662699	4434056	03/23/2020 9:25 am	03/27/2020 9:06 am	Room A-103	1.5
2662700	4434057	03/23/2020 9:26 am	03/27/2020 9:07 am	Room A-130	1.7
2662701	4434015	03/23/2020 8:53 am	03/27/2020 8:41 am	Room C-101	6.4
2662702	4434016	03/23/2020 8:53 am	03/27/2020 8:41 am	Room C-101 Duplicate	5.7
2662703	4434018	03/23/2020 8:55 am	03/27/2020 8:43 am	Room C-105	6.0
2662704	4434019	03/23/2020 8:56 am	03/27/2020 8:44 am	Room C-102	4.4
2662705	4434020	03/23/2020 8:57 am	03/27/2020 8:44 am	Room C-103	5.7

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662706	4434021	03/23/2020 8:58 am	03/27/2020 8:44 am	Room C-104	4.5
2662707	4434022	03/23/2020 8:59 am	03/27/2020 8:45 am	Room C-109 Reception Area	5.1
2662708	4434023	03/23/2020 8:59 am	03/27/2020 8:45 am	Room C-109 Small Office 1 Left	4.7
2662709	4434024	03/23/2020 9:00 am	03/27/2020 8:45 am	Room C-109 Small Office 2 Middle	5.5
2662710	4434025	03/23/2020 9:00 am	03/27/2020 8:46 am	Room C-109 Small Office 3 Right	5.1
2662711	4434026	03/23/2020 9:01 am	03/27/2020 8:47 am	Room C-106	5.4
2662712	4434027	03/23/2020 9:02 am	03/27/2020 8:47 am	Room C-107	5.4
2662713	4434028	03/23/2020 9:03 am	03/27/2020 8:47 am	Room C-108	4.4
2662714	4434017	03/23/2020 8:55 am	03/27/2020 8:42 am	Staff Workroom	5.1
2662715	4434029	03/23/2020 9:04 am	03/27/2020 8:49 am	Room D-101	3.8
2662716	4434030	03/23/2020 9:05 am	03/27/2020 8:49 am	Room D-101 Duplicate	4.1

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662717	4434031	03/23/2020 9:06 am	03/27/2020 8:49 am	Room D-102	4.6
2662718	4434032	03/23/2020 9:07 am	03/27/2020 8:50 am	Room D-103	4.3
2662719	4434033	03/23/2020 9:08 am	03/27/2020 8:50 am	Room D-108 Reception Area	4.2
2662720	4434034	03/23/2020 9:09 am	03/27/2020 8:51 am	Room D-108 Small Office 1 Left	3.8
2662721	4434035	03/23/2020 9:09 am	03/27/2020 8:51 am	Room D-108 Small Office 2 Middle	4.7
2662722	4434036	03/23/2020 9:10 am	03/27/2020 8:51 am	Room D-108 Small Office 3 Right	4.5
2662723	4434037	03/23/2020 9:11 am	03/27/2020 8:52 am	Room D-104	4.9
2662724	4434038	03/23/2020 9:11 am	03/27/2020 8:53 am	Room D-105	3.8
2662725	4434039	03/23/2020 9:12 am	03/27/2020 8:53 am	Room D-106	5.0
2662726	4434040	03/23/2020 9:13 am	03/27/2020 8:53 am	Room D-107	3.8
2662727	4434041	03/23/2020 9:14 am	03/27/2020 8:55 am	Room G-101	3.0

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662728	4434042	03/23/2020 9:14 am	03/27/2020 8:55 am	Room G-101 Duplicate	2.7
2662729	4434043	03/23/2020 9:14 am	03/27/2020 8:55 am	Room G-101 Blank	< 0.4
2662730	4434044	03/23/2020 9:15 am	03/27/2020 8:56 am	Room G-115	3.6
2662731	4434045	03/23/2020 9:16 am	03/27/2020 8:56 am	Room G-105	3.9
2662732	4434046	03/23/2020 9:17 am	03/27/2020 8:57 am	Room G-102	3.1
2662733	4434047	03/23/2020 9:17 am	03/27/2020 8:57 am	Room G-103	3.0
2662734	4434048	03/23/2020 9:18 am	03/27/2020 8:58 am	Room G-104	2.8
2662735	4434049	03/23/2020 9:19 am	03/27/2020 8:58 am	Room G-109	2.0
2662736	4434050	03/23/2020 9:20 am	03/27/2020 8:59 am	Room G-106	3.3
2662737	4434051	03/23/2020 9:21 am	03/27/2020 8:59 am	Room G-107	3.0
2662738	4434052	03/23/2020 9:21 am	03/27/2020 9:00 am	Room G-108	2.5

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2662739	4434053	03/23/2020 9:21 am	03/27/2020 9:00 am	Room G-108 Duplicate	2.5
2662740	4434058	03/23/2020 9:27 am	03/27/2020 9:10 am	Room F-05	2.3
2662741	4434059	03/23/2020 9:27 am	03/27/2020 9:10 am	Room F-105 Duplicate	2.2
2662742	4434060	03/23/2020 9:28 am	03/27/2020 9:10 am	Room F-104	2.9
2662743	4434061	03/23/2020 9:29 am	03/27/2020 9:11 am	Room F-106	2.7
2662744	4434062	03/23/2020 9:30 am	03/27/2020 9:11 am	Room F-107	2.0
2662745	4434063	03/23/2020 9:31 am	03/27/2020 9:12 am	F Custodial Break Room	2.2
2662746	4434064	03/23/2020 9:32 am	03/27/2020 9:12 am	Room F-108	3.0
2662747	4434065	03/23/2020 9:33 am	03/27/2020 9:13 am	Room F-101	2.9
2662748	4434066	03/23/2020 9:33 am	03/27/2020 9:13 am	Room F-101 Duplicate	2.5
2662749	4434067	03/23/2020 9:34 am	03/27/2020 9:14 am	Room F-109 Book Depository	2.7

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2662750	4434068	03/23/2020 9:35 am	03/27/2020 9:14 am	Room F-102	2.7
2662751	4434069	03/23/2020 9:36 am	03/27/2020 9:14 am	Room F-103	2.6
2662752	4434070	03/23/2020 9:37 am	03/27/2020 9:16 am	Room E-102	1.7
2662753	4434071	03/23/2020 9:37 am	03/27/2020 9:16 am	Room E-102 Duplicate	1.7
2662754	4434072	03/23/2020 9:38 am	03/27/2020 9:16 am	Room E-103	1.2
2662755	4434074	03/23/2020 9:39 am	03/27/2020 9:16 am	803 Small Office	1.5
2662756	4434073	03/23/2020 9:39 am	03/27/2020 9:17 am	812 Small Workroom	2.0
2662757	4434075	03/23/2020 9:40 am	03/27/2020 9:19 am	Room E-101	1.4
2662758	4434076	03/23/2020 9:41 am	03/27/2020 9:19 am	Room E-107	1.7
2662759	4434077	03/23/2020 9:42 am	03/27/2020 9:28 am	Room E-104	1.3
2662760	4434078	03/23/2020 9:43 am	03/27/2020 9:29 am	Room E-105	1.2

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2662761	4434079	03/23/2020 9:43 am	03/27/2020 9:29 am	Room E-106	0.8
2662762	4433930	03/23/2020 10:00 am	03/27/2020 9:30 am	Room E-111A and B	1.6
2662763	4433931	03/23/2020 10:01 am	03/27/2020 9:30 am	Room E-108	1.6
2662764	4433932	03/23/2020 10:02 am	03/27/2020 9:31 am	Room E-109	1.9
2662765	4433933	03/23/2020 10:02 am	03/27/2020 9:31 am	Room E-110	1.7
2662766	4433934	03/23/2020 10:05 am	03/27/2020 9:33 am	Room H-101	0.8
2662767	4433935	03/23/2020 10:05 am	03/27/2020 9:33 am	Room H-101 Duplicate	1.0
2662768	4433936	03/23/2020 10:05 am	03/27/2020 9:33 am	Room H-101 Blank	< 0.4
2662769	4433937	03/23/2020 10:06 am	03/27/2020 9:34 am	Room H-106	0.7
2662770	4433938	03/23/2020 10:07 am	03/27/2020 9:35 am	Room H-103	0.7
2662771	4433939	03/23/2020 10:08 am	03/27/2020 9:36 am	Room H-104	1.0

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2662772	4433940	03/23/2020 10:08 am	03/27/2020 9:36 am	Room H-104 Office	0.5
2662773	4433941	03/23/2020 10:09 am	03/27/2020 9:37 am	Room H-102	< 0.4
2662774	4433942	03/23/2020 10:10 am	03/27/2020 9:38 am	Room H-102 Office	0.7
2662775	4433943	03/23/2020 10:14 am	03/27/2020 9:39 am	Room J-101	< 0.4
2662776	4433944	03/23/2020 10:14 am	03/27/2020 9:39 am	Room J-101 Duplicate	< 0.4
2662777	4433945	03/23/2020 10:14 am	03/27/2020 9:39 am	Room J-101 Blank	< 0.4
2662778	4433946	03/23/2020 10:16 am	03/27/2020 9:40 am	Room J-116	0.8
2662779	4433947	03/23/2020 10:16 am	03/27/2020 9:40 am	Room J-117	0.5
2662780	4433948	03/23/2020 10:17 am	03/27/2020 9:41 am	Room J-103	0.6
2662781	4433949	03/23/2020 10:23 am	03/27/2020 9:42 am	Room J-118	0.6
2662782	4433950	03/23/2020 10:24 am	03/27/2020 9:42 am	Room J-120	0.6

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662783	4433951	03/23/2020 10:24 am	03/27/2020 9:43 am	Room J-122	0.5
2662784	4433952	03/23/2020 10:25 am	03/27/2020 9:43 am	Room J-106	0.8
2662785	4433953	03/23/2020 10:25 am	03/27/2020 9:43 am	Room J-105	0.6
2662786	4433954	03/23/2020 10:25 am	03/27/2020 9:44 am	Room J-104	0.6
2662787	4433955	03/23/2020 10:27 am	03/27/2020 9:44 am	Room J-107	1.1
2662788	4433956	03/23/2020 10:27 am	03/27/2020 9:44 am	Room J-107 Duplicate	0.8
2662789	4433957	03/23/2020 10:27 am	03/27/2020 9:44 am	Room J-107 Office	0.9
2662790	4433958	03/23/2020 10:28 am	03/27/2020 9:45 am	Room J-108	1.2
2662791	4433959	03/23/2020 10:30 am	03/27/2020 9:46 am	Room J-115	0.7
2662792	4433961	03/23/2020 10:31 am	03/27/2020 9:47 am	Room J-131	1.0
2662793	4433962	03/23/2020 10:32 am	03/27/2020 9:47 am	Room J-130	0.9

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NRPP 103216 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

Property Tested:

Cascade Environmental
4346 North East 73rd Avenue
Portland OR 97218


New Berg High School
2400 Douglas Avenue
Newberg OR 97132

Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662794	4433963	03/23/2020 10:32 am	03/27/2020 9:48 am	Room J-132	0.9
2662795	4433964	03/23/2020 10:33 am	03/27/2020 9:48 am	Room J-114	1.3
2662796	4433965	03/23/2020 10:34 am	03/27/2020 9:49 am	Room J-129	0.8
2662797	4433966	03/23/2020 10:35 am	03/27/2020 9:49 am	Room J-128	0.7
2662798	4433969	03/23/2020 10:38 am	03/27/2020 9:50 am	Room J-113	0.9
2662799	4433968	03/23/2020 10:38 am	03/27/2020 9:49 am	Room J-112	1.4
2662800	4433971	03/23/2020 10:40 am	03/27/2020 9:52 am	Room J-109	1.0
2662801	4433972	03/23/2020 10:41 am	03/27/2020 9:53 am	Room J-110	0.9
2662802	4433973	03/23/2020 10:41 am	03/27/2020 9:54 am	Room J-125	1.2
2662803	4433970	03/23/2020 10:39 am	03/27/2020 9:50 am	Room J-133	0.8
2662804	4433967	03/23/2020 10:37 am	03/27/2020 9:49 am	Room J-111	1.0

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662805	4433974	03/23/2020 10:46 am	03/27/2020 9:32 am	K Lobby	1.5
2662806	4433975	03/23/2020 10:47 am	03/27/2020 9:33 am	K Office	4.6
2662807	4433976	03/23/2020 10:47 am	03/27/2020 9:33 am	K Office Duplicate	3.6
2662808	4433977	03/23/2020 10:47 am	03/27/2020 9:33 am	K Office Blank	< 0.4
2662809	4433978	03/23/2020 10:48 am	03/27/2020 9:34 am	Room K-107	2.6
2662810	4433979	03/23/2020 10:48 am	03/27/2020 9:35 am	Room K-108	2.7
2662811	4021127	03/23/2020 10:58 am	03/27/2020 9:36 am	Room K-109 Kitchen	2.3
2662812	4021131	03/23/2020 10:58 am	03/27/2020 9:37 am	K Staff	1.2
2662813	4021104	03/23/2020 11:05 am	03/27/2020 9:44 am	Bldg. 17 Room L-101 Choir	1.6
2662814	4021065	03/23/2020 11:05 am	03/27/2020 9:45 am	Bldg. 17 Room L-102 Strings	0.9
2662815	4021044	03/23/2020 11:05 am	03/27/2020 9:46 am	Bldg. 17 Room L-103 Band	1.0

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New Berg High School
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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662816	4021051	03/23/2020 11:11 am	03/27/2020 9:47 am	Bldg. 17 L-Office	1.3
2662817	4021041	03/23/2020 11:11 am	03/27/2020 9:47 am	Bldg. 17 L-Office Duplicate	1.3
2662818	4021114	03/23/2020 11:11 am	03/27/2020 9:47 am	Bldg. 17 L Office Blank	< 0.4
2662819	4021109	03/23/2020 11:13 am	03/27/2020 9:52 am	Bldg. 17 L-Box Office	1.3
2662820	4021036	03/23/2020 11:08 am	03/27/2020 9:50 am	Bldg. 17 L-Ensemble Pratice Room	0.9
2662821	4433880	03/23/2020 8:22 am	03/27/2020 8:02 am	Bldg. 14 Auxillary Gym	< 0.4
2662822	4433881	03/23/2020 8:24 am	03/27/2020 8:03 am	Bldg. 14 Auxillary Gym	0.4
2662823	4433882	03/23/2020 8:26 am	03/27/2020 8:04 am	Bldg. 14 Auxillary Gym	< 0.4
2662824	4433883	03/23/2020 8:28 am	03/27/2020 8:05 am	Bldg. 14 Auxillary Gym	< 0.4
2662825	4433884	03/23/2020 8:30 am	03/27/2020 8:06 am	Bldg. 14 Auxillary Gym	< 0.4
2662826	4433885	03/23/2020 8:34 am	03/27/2020 8:07 am	Bldg. 14 Auxillary Gym - Small Office	0.4

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New Berg High School
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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662827	4433886	03/23/2020 8:34 am	03/27/2020 8:07 am	Bldg. 14 Auxillary Gym - Small Office Duplicate	0.6
2662828	4433887	03/23/2020 8:34 am	03/27/2020 8:07 am	Bldg. 14 Auxillary Gym - Small Office Blank	< 0.4
2662829	4433888	03/23/2020 8:44 am	03/27/2020 8:12 am	Main Gym Southeast	0.5
2662830	4433889	03/23/2020 8:46 am	03/27/2020 8:13 am	Main Gym East Central	0.5
2662831	4433890	03/23/2020 8:48 am	03/27/2020 8:14 am	Main Gym East Northeast	0.4
2662832	4433891	03/23/2020 8:50 am	03/27/2020 8:15 am	Main Gym NNE	0.5
2662833	4433892	03/23/2020 8:52 am	03/27/2020 8:16 am	Main Gym N Central E	0.4
2662834	4433893	03/23/2020 8:54 am	03/27/2020 8:17 am	Main Gym N Central W	0.4
2662835	4433894	03/23/2020 8:56 am	03/27/2020 8:18 am	Main Gym NNW	0.4
2662836	4433895	03/23/2020 8:58 am	03/27/2020 8:19 am	Main Gym Northwest	0.5
2662837	4433896	03/23/2020 9:00 am	03/27/2020 8:20 am	Main Gym Northeast	0.5

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662838	4433897	03/23/2020 9:02 am	03/27/2020 8:21 am	Main Gym WWS	< 0.4
2662839	4433898	03/23/2020 9:04 am	03/27/2020 8:22 am	Main Gym S Central W	0.5
2662840	4433899	03/23/2020 9:06 am	03/27/2020 8:23 am	Main Gym S Central E	0.5
2662841	4433900	03/23/2020 9:08 am	03/27/2020 8:24 am	Main Gym Southeast	0.4
2662842	4433901	03/23/2020 9:40 am	03/27/2020 8:25 am	Boys Training Room 1	0.5
2662843	4433902	03/23/2020 9:41 am	03/27/2020 8:25 am	Main Gym Office 1	0.4
2662844	4433903	03/23/2020 9:41 am	03/27/2020 8:26 am	Main Gym PE Office	0.8
2662845	4433904	03/23/2020 9:41 am	03/27/2020 8:26 am	Main Gym Boys PE Office Duplicate	0.8
2662846	4433905	03/23/2020 9:41 am	03/27/2020 8:26 am	Main Gym Boys PE Office Blank	< 0.4
2662847	4433906	03/23/2020 9:56 am	03/27/2020 8:27 am	Main Gym Boys Office	0.6
2662848	4433907	03/23/2020 10:02 am	03/27/2020 8:28 am	Main Gym PE Office 547	1.1

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662849	4433908	03/23/2020 10:04 am	03/27/2020 8:29 am	Main Gym Girls Office 553	1.5
2662850	4433909	03/23/2020 10:06 am	03/27/2020 8:30 am	Main Gym Girls Pride Room	0.4
2662851	4433910	03/23/2020 10:14 am	03/27/2020 8:32 am	Main Gym Weight Room Northeast	0.6
2662852	4433911	03/23/2020 10:15 am	03/27/2020 8:33 am	Main Gym Weight Room Southeast	0.4
2662853	4433912	03/23/2020 10:16 am	03/27/2020 8:34 am	Main Gym Weight Room Office South	0.8
2662854	4433913	03/23/2020 10:27 am	03/27/2020 8:44 am	Bldg. 16 M West Gym	2.2
2662855	4433914	03/23/2020 10:28 am	03/27/2020 8:45 am	Bldg. 16 Room M-104 Small Office	2.6
2662856	4433915	03/23/2020 10:28 am	03/27/2020 8:45 am	Bldg. 16 Room M-104 Small Office Duplicate	2.2
2662857	4433916	03/23/2020 10:28 am	03/27/2020 8:45 am	Bldg. 16 Room M-104 Small Office Blank	< 0.4
2662858	4433917	03/23/2020 10:32 am	03/27/2020 8:46 am	Bldg. 16 M Gym Northwest	1.6
2662859	4433918	03/23/2020 10:33 am	03/27/2020 8:47 am	Bldg. 16 M Gym Southwest	2.1

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662860	4433919	03/23/2020 10:34 am	03/27/2020 8:48 am	Bldg. 16 M Gym Southeast Central	2.4
2662861	4433920	03/23/2020 10:35 am	03/27/2020 8:49 am	Bldg. 16 M Gym Northeast	2.1
2662862	4433921	03/23/2020 10:47 am	03/27/2020 8:56 am	Bldg. 17 Auditorium Northwest	1.9
2662863	4433922	03/23/2020 10:50 am	03/27/2020 8:57 am	Bldg. 17 Auditorium Southwest	1.7
2662864	4433923	03/23/2020 10:54 am	03/27/2020 8:58 am	Bldg. 17 Auditorium South Central	1.7
2662865	4433924	03/23/2020 10:56 am	03/27/2020 8:59 am	Bldg. 17 Auditorium Southeast	1.9
2662866	4433925	03/23/2020 11:00 am	03/27/2020 9:00 am	Bldg. 17 Auditorium Northeast	1.6
2662867	4433926	03/23/2020 11:02 am	03/27/2020 9:01 am	Bldg. 17 Stage North Table	1.6
2662868	4433927	03/23/2020 11:04 am	03/27/2020 9:02 am	Bldg. 17 Stage Prop Stair	1.5
2662869	4433928	03/23/2020 11:10 am	03/27/2020 9:03 am	Bldg. 17 Drama-Woodshop	0.6
2662870	4433929	03/23/2020 11:12 am	03/27/2020 9:04 am	Bldg. 17 Room C-123 Womens Dressing Room	0.8

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Log Number	Device Number	Test Exposure	Duration:	Area Tested	Result pCi/L
2662871	4021066	03/23/2020 11:15 am	03/27/2020 9:08 am	Bldg. 17 Room C-121L Mens Dressing Room	1.1
2662872	4021108	03/23/2020 11:17 am	03/27/2020 9:09 am	Bldg. 17 Room C-105	1.5
2662873	4021112	03/23/2020 11:38 am	03/27/2020 9:19 am	Main Commons	2.1
2662874	4021055	03/23/2020 11:38 am	03/27/2020 9:20 am	Main Commons	1.8
2662875	4021053	03/23/2020 11:38 am	03/27/2020 9:21 am	Main Commons	1.6
2662876	4021068	03/23/2020 11:39 am	03/27/2020 9:22 am	Main Commons	1.8
2662877	4021056	03/23/2020 11:40 am	03/27/2020 9:23 am	West Commons	1.1
2662878	4021067	03/23/2020 11:41 am	03/27/2020 9:24 am	West Commons	1.0
2662879	4021032	03/23/2020 11:41 am	03/27/2020 9:24 am	West Commons Duplicate	1.1
2662880	4021130	03/23/2020 11:41 am	03/27/2020 9:24 am	West Commons Blank	< 0.4
2663143	4433960	03/23/2020 10:31 am	03/27/2020 9:47 am	Room J-115C	1.0

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Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132

Radon Testing 2020

Tester Name(s): Larry Hampton

Start Date: 3/23/2020 End Date: 3/27/2020

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	1	1	443 3980	Front Office	0817	0800	front counter	
	2	2	443 3981	Back Office Area	0818	0800		
	3	3	443 3982	Back Office Area	0819	0800	Duplicate	
	4	14	443 3993	B-101	0832	0830		
	5	15	443 3994	B-102	0833	0830		
	6	16	443 3995	B-103	0833	0831		
	7	17	443 3996	B-109 Storage Office	0834	0831		
			443	B-110 MDF				
	8	18	443 3997	B-104	0835	0831		
	9	19	443 3998	B-105	0836	0832		
	10	20	443 3999	B-105A	0837	0832		
	11	21	443 3400	B-106	0838	0833		
	12	22	443 3401	B-106A	0838	0833		
	13	4	443 3983	A-107A	0822	0802		
	14	5	443 3984	A-107B	0823	0802		

Newberg High School
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 Newberg, Oregon 97132
 Radon Testing 2020

Start Date: 3/23/2020 End Date: 3/27/2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	15	6	443 3985	A 109 A-107C	0824	0825		
	16	7	443 3986	A-110	0825	0825		
	17	8	443 3987	A-118	0826	0826		
	18	9	443 3988	A-117	0827	0827		
	19	10	443 3989	A-116	0828	0827		
	20	11	443 3990	A-115	0829	0828		
	21	12	443 3991	A-112	0830	0828	work room	
	22	13	443 3992	Main Office Conference	0831	0829		
	23	23	4434002	Counseling Main	0841	0834		
	24	24	4434003	Counseling A-121	0842	0835		
	25	25	4434004	Health Rm	0842	0835		
	26	26	4434005	A-122	0843	0835		
	27	27	4434006	A-128	0844	0836		
	28	28	4434007	Couns. Staff	0844	0836		
	29	29	4434008	A-125 A-125	0845	0837		

Start Date: 3/23/2020 End Date: 3/27/2020

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	30	30	4434009	A-126	0847	0837		
	31	B1	4434010	A-127	0848	0838		
	32	32	4434011	F101A	0849	0838		
	33	33	4434012	A-102	0850	0839		
	34	34	4434013	A-135	0851	0839		
	35	35	4434014	A-101	0852	0840		
	36	75	4434054	A-105	0923	0901		
	37	76	4434055	A-104	0924	0901		
	38	77	4434056	A-103	0925	0900		
	39	78	4434057	A-130	0926	0907		

Start Date: 3/23/2020 End Date: 3/27/2020

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	40	36	443 4615	C-101	0853	0841		
	41	37	443 4016	C-101	0853	0841	Duplicate	
	42	39	443 4018	C-105	0855	0843		
	43	40	443 4019	C-102	0856	0844		
	44	41	443 4020	C-103	0857	0844		
	45	42	443 4021	C-104	0858	0844		
	46	43	443 4022	C-109- Reception Area	0859	0845		
	47	44	443 4023	C-109- Small Office 1	0859	0845	left	
	48	45	443 4024	C-109- Small Office 2	0900	0845	middle	
	49	46	443 4025	C-109- Small Office 3	0900	0846	right	
			443	C-109A & B				
	50	47	443 4026	C-106	0901	0847		
	51	48	443 4027	C-107	0902	0847		
	52	49	443 4028	C-108	0903	0847		
	53	38	443 4017	staff workroom	0855	0842		

Start Date: 3/23/2020 End Date: 3/27/2020

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	54	50	443 4029	D-101	0904	0849		
	55	51	443 4030	D-101	0905	0849	Duplicate	
	56	52	443 4031	D-102	0906	0849		
	57	53	443 4032	D-103	0907	0850		
	58	54	443 4033	D-108 Reception Area	0908	0850		
	59	55	443 4034	D-108 Small Office 1	0909	0851	Left	
	60	56	443 4035	D-108 Small Office 2	0909	0851	middle	
	61	57	443 4036	D-108 Small Office 3	0910	0851	right	
	62	58	443 4037	D-104	0911	0852		
	63	59	443 4038	D-105	0911	0853		
	64	60	443 4039	D-106	0912	0853		
	65	61	443 4040	D-107	0913	0853		
	66							

Start Date: 3/23/2020 End Date: 3/27/2020

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	66	62	443 40411	G-101	0914	0855		
	67	63	443 4042	G-101	0914	0855	Duplicate	
	68	64	443 4043	G-101	—	0855	Blank	
	69	65	443 4044	G-115	0915	0856		
	70	66	443 4045	G-105	0916	0856		
	71	67	443 4046	G-102	0917	0857		
	72	68	443 4047	G-103	0917	0857		
	73	69	443 4048	G-104	0918	0858		
	74	70	443 4049	G-109	0919	0858		
	75	71	443 4050	G-106	0920	0859		
	76	72	443 4051	G-107	0921	0859		
	77	73	443 4052	G-108	0921	0900		
	78	74	443 4053	G-108	0922	0900	Duplicate	

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132

Radon Testing 2020

Tester Name(s): *Larry Hampton*

Start Date: 3/23/2020 End Date: 3/27/2020

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	79	79	443 4058	F-105	0927	0910		
	80	80	443 4059	F-105	0927	0910	Duplicate	
	81	81	443 4060	F-104	0928	0910		
	82	82	443 4061	F-106	0929	0911		
	83	83	443 4062	F-107	0930	0911		
	84	84	443 4063	F Custodial Break Room	0931	0912		
	85	85	443 4064	F-108	0952	0912		
	86	86	443 4065	F-101	0933	0913		
	87	87	443 4066	F-101	0933	0913	Duplicate	
	88	88	443 4067	F-109 Book Depository	0934	0914		
	89	89	443 4068	F-102	0935	0914		
	90	90	443 4069	F-103	0936	0914		

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Start Date: 3/23/2020 End Date: 3/27/2020

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	91	91	443 4070	E-102	0937	0916		
	92	92	443 4071	E-102	0937	0916	Duplicate	
	93	93	443 4072	E-103	0938	0916		
	94	95	443 4074	803 Small Office	0939	0916		
	95	94	443 4073	812 Small Workroom	0939	0917		
	96	96	443 4075	E-101	0940	0919		
	97	97	443 4076	E-107	0941	0919		
	98	98	443 4077	E-104	0942	0928		
	99	99	443 4078	E-105	0943	0929		
	100	100	443 4079	E-106	0943	0929		
	101	101	443 3930	E-111A & B	1000	0930		
	102	102	443 3931	E-108	1001	0930		
	103	103	443 3932	E-109	1002	0931		
	104	104	443 3933	E-110	1002	0931		

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Start Date: 3/23/2020 End Date: 3/27/2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	105	105	443 3934	H-101	1005	0933		
	106	106	443 3935	H-101	1005	0933	Duplicate	
	107	107	443 3936	H-101	1005	0933	Blank	
	108	108	443 3937	H-106	1006	0934		
	109	109	443 3938	H-103	1007	0935		
	110	110	443 3939	H-104	1008	0936		
	111	111	443 3940	H-104 Office	1008	0936		
	112	112	443 3941	H-102	1009	0937		
	113	113	443 3942	H-102 Office	1010	0938		

Start Date: 3/23/2020 End Date: 3/27/2020

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	114	114	443 3943	J-101	1014	0939		
	115	115	443 3944	J-101	1014	0939	Duplicate	
	116	116	443 3945	J-101	1014	0939	Blank	
	117	117	443 3946	J-116	1016	0940		
	118	118	443 3947	J-117	1016	0940		
	119	119	443 3948	J-103	1017	0941		
	120	120	443 3949	J-118	1023	0942		
	121	121	443 3950	J-120	1024	0942		
	122	122	443 3951	J-122	1024	0943		
	123	123	443 3952	J-106	1025	0943		
	124	124	443 3953	J-105	1025	0943		
	125	125	443 3954	J-104	1025	0944		

Start Date: 3/23/2020 End Date: 03/27/2020

Newberg High School
2400 Douglas Avenue
Newberg, Oregon 97132
Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	126	126	443 3955	J-107	1027	0944		
	127	127	443 3956	J-107	1027	0944	Duplicate	
	128	128	443 3957	J-107 Office	1027	0944		
	129	129	443 3958	J-108	1028	0945		
	130	130	443 3959	J-115	1030	0946		
	131	131	443 3960	J-115	1030	0946		
	132	132	443 3961	J-131	1031	0947		
	133	133	443 3962	J-130	1032	0947		
	134	134	443 3963	J-132	1032	0948		
	135	135	443 3964	J-114	1033	0948		
	136	136	443 3965	J-129	1034	0949		
	137	137	443 3966	J-128	1035	0949		

Start Date: 3/23/2020 End Date: 3/27/2020

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	138	140	443 3969	J-113	1038	0956		
	139	139	443 3968	J-112	1038	0949		
			443	J-123				
	140	142	443 3971	J-109	1040	0952		
	141	143	443 3972	J-110	1041	0953		
	142	144	443 3973	J-125	1041	0954		
	143	141	443 3970	J-133	1039	0950		
			443	J-127				
	144	138	443 3967	J-111	1037	0949		

Start Date: 3/23/2020 End Date: 3.27.20

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Robert Burns
Larry Hampton

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	145	145	443 3974	K-Lobby	1046	0958		
	146	146	443 3975	K-Office, Center	1047	0933		
	147	147	443 3976	K-Office, Center	1047	0933	Duplicate	
	148	148	443 3977	K-Office, Center	1047	—	Blank	
	148	149	443 3978	K-107	1048	0934		
	150	150	443 3979	K-108	1048	0935		
	151	151	443 4021127	K-109 Kitchen	1058	0936		
	152	152	4021131	K-Staff	1058	0937		

Newberg High School
2400 Douglas Avenue
Newberg, Oregon 97132

Robert Burns

Radon Testing 2020

Tester Name(s): Larry Hampton

Start Date: 3/23/2020 End Date: 3.27.20

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	153	153	402 4021104	Bldg. 17, L-101, Choir Room	11:05	09:44		
	154	154	402 4021065	Bldg. 17, L-102 Strings Room	11:05	09:45	viola stand	
	155	155	402 4021044	Bldg. 17, L- ¹⁰⁵ 104 Band Room	11:07	09:46		
	156	157	402 4021051	Bldg. 17, L-Office (Off Lobby)	11:11	09:47		
	157	158	402 4021041	Bldg. 17, L-Office (Off Lobby)	11:11	09:47	Duplicate	
	158	159	402 4021114	Bldg. 17, L-Office (Off Lobby)	11:11	—	Blank	
	159	160	402 4021009	Bldg. 17, L-Box Office	11:13	09:52		
	160	156	402 4021036	Bldg. 17, L-Ensemble - Practice Room	11:08	09:50		

Start Date: 3.23.20 End Date: 3.27.20

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Robert Burns

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	161	1	443 3880	Bldg. 14 Auxillary Gym	0822	0802	8800 SF N.E.C.	
	162	2	443 3881	Bldg. 14 Auxillary Gym	0824	0803	NW	
	163	3	443 3882	Bldg. 14 Auxillary Gym	0826	0804	SW	
	164	4	443 3883	Bldg. 14 Auxillary Gym	0828	0805	Central	
	165	5	443 3884	Bldg. 14 Auxillary Gym	0830	0806	SE	
	166	6	443 3885	Bldg. 14 Aux Gym-Small Office	0834	0807	SE	
	167	7	443 3886	Bldg. 14 Aux Gym-Small Office	0834	0807	SE Paper	
	168	8	443 3887	Bldg. 14 Aux Gym-Small Office	-	-	Blanks	

Start Date: 3.23.20 End Date: 3.27.20

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Robert Bunn

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	169	9	443 3888B	Main Gym	0844	0812	25920 SF SE	
	170	10	443 3889	Main Gym	0846	0813	E central	
	171	11	443 3890	Main Gym	0848	0814	E NE / marked by red string	
	172	12	443 3891	Main Gym	0850	0815	N.W E	
	173	13	443 3892	Main Gym	0852	0816	N. central E	
	174	14	443 3893	Main Gym	0854	0817	N. central W	
	175	15	443 3894	Main Gym	0856	0818	N.W W	
	176	16	443 3895	Main Gym	0858	0819	W. W.	
	177	17	443 3896	Main Gym	0900 0860	0820	N E	
	178	18	443 3897	Main Gym	0902	0821	W.W.S	
	179	19	443 3898	Main Gym	0904	0822	S central W.	
	180	20	443 3899	Main Gym	0906	0823	S central E	
	181	21	443 3900	Main Gym	0908	0824	SE	

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Start Date: 3-23-20
 End Date: 3-27-20
 Tester Name(s): Robert Burns

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	182	22	443 3901	Main Gym Boys Training Room 1	0940	0825	NE corner Gym	
	183	23	443 3902	Main Gym Boys Training Room 2 Office 1	0941	0825		
	184	24	443 3903	Main Gym - Boys Small Office PE Office	0941	0826	NE Center	
	185	25	443 3904	Main Gym Boys PE Office	0941	0826	Duplicate	
	186	26	443 3905	Main Gym Boys PE Office	—	—	Blank Duplicate	
	187	27	443 3906	Main Gym Boys PE Office	0956	0827	Mid Central Blank	
	188	28	443 3907	Main Gym Girls Coaches Office PE Office 547	1002	0828	SW corner	
	189	28	443 3908	Office 553 Main Gym Girls PE Room	1004	0829	SW	
	190	29	443 3909	Main Gym Girls Coaches Office Girls PE Room	1006	0830		
	191	30	443 3910	Weight Room Main Gym Girls Classroom	1014	0830	2400 SW NE	
	192	31	443 3911	Weight Room	1015	0833	Carbon pickup	
	193	32	443 3912	Weight Room Office	1016	0834		

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Start Date: 3-23-20 End Date: 3-27-20

Tester Name(s): Robert Burns

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	194	33	443 3913	Bldg 16 M West Gym	1027	0844	1st floor	
	195	34	443 3919	Bldg 16 M-104 Small Office	1028	0845		
	196	35	443 3915	Bldg 16 M-104 Small Office	1028	0845	Duplicate	
	197	36	443 3916	Bldg 16 M-104 Small Office	—	—	Blank	
	198	37	443 3917	Bldg 16 M Gym	1032	0846	7500 SF 3rd floor	
	199	38	443 3918	Bldg 16 M Gym	1033	0847	3rd	
	200	39	443 3919	Bldg 16 M Gym	1034	0848	SE corner	
	201	40	443 3920	Bldg 16 M Gym	1035	0849	NI	

Start Date: 3-23-20 End Date: 3-27-20

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Tester Name(s): Robert Burns

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	202	40	443 3921	Bldg. 17 Auditorium	1047	0856	8470 SF NW	
	203	41	443 3922	Bldg. 17 Auditorium	1050	0857	SW	
	204	42	443 3923	Bldg. 17 Auditorium	1054	0858	5 centry 1	
	205	43	443 3924	Bldg. 17 Auditorium	1056	0859	SE	
	206	44	443 3925	Bldg. 17 Auditorium	1100	0850	N/E	
	207	45	443 3926	Bldg. 17 Stage	1102	0901	2810 SF N 4th flr	
	208	46	443 3927	Bldg. 17 Stage	1104	0902	S Prop stain	
	209	47	443 3928	Bldg. 17 Drama/Woodshop	1110	0903		
	210	48	443 3929	Bldg. 17 Women's Dressing Rm. C-123	1112	0904		
			443	costum C-124				
			443	Bldg. 17 Make-up				
	211	49	443 4021066	C-1215	1115	0908		
			443	Bldg. 17 Men's Dressing Rm.				
			443	Bldg. 17 Classroom				
	212	50	4021108	Bldg 17 C-105 Classroom	1117	0909		

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

Start Date: 3.23.20 End Date: 3.27.20
 Tester Name(s): Karry Hampton / Robt Borg

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
	213	161	4021112	Main Commons	1138	0919	approx 900 sq ft	
	214	162	4021055	Main Commons	1138	0920		
	215	163	4021053	Main Commons	1139	0921		
	216	164	4021068	Main Commons	1139	0922		
	217	165	4021056	West Commons	1140	0923	approx 3900 sq ft.	
	218	166	4021067	West Commons	1141	0924	duplicate	
	219	167	4021032	West Commons	1141	0924		
	220	168	4021130	West Commons	—	—	blank	

NELAC NY 11769
NRPP 103216 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

Property Tested: Project # NHS- Re-test

Robert Burns
4346 Northeast 73rd Avenue
Portland OR 97218

Newberg High School
2400 Douglas Avenue
Newberg OR 97132


Log Number	Device Number	Test Exposure Duration:	Area Tested	Result pCi/L
2673300	4435674	04/20/2020 9:15 am 04/22/2020 10:15 am	Front Office	24.9
2673301	4435675	04/20/2020 9:18 am 04/22/2020 10:18 am	C-109A & B	25.0
2673302	4435676	04/20/2020 9:24 am 04/22/2020 10:24 am	F-109	25.4
2673303	4435677	04/20/2020 9:26 am 04/22/2020 10:26 am	E105	24.4
2673304	4435678	04/20/2020 9:31 am 04/22/2020 10:31 am	L-118	24.8

Comment: Confidential: Release results to client only. Cascade Environmental was e-mailed a copy of this report.

Test Performed By: Robert Burns

Distributed by: Cascade Environmental

Date Received: 04/24/2020 Date Logged: 04/24/2020 Date Analyzed: 04/25/2020 Date Reported: 04/27/2020

Report Reviewed By: 

Report Approved By: 

Disclaimer:

Shawn Price, Director of Laboratory Operations, AccuStar Labs

The uncertainty of this radon measurement is ~+/- 10 %. Factors contributing to uncertainty include statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques and operation of the dwelling. Interference with test conditions may influence the test results.

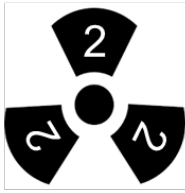
This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

Start Date: 4-20-20 End Date: 4-22-20

Newberg High School
 2400 Douglas Avenue
 Newberg, Oregon 97132
 Radon Testing 2020

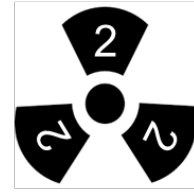
Tester Name(s): Robert Burns

Lab Use	Sample #	Sample Order #	Device #	Room	Start Time	Stop Time	Comments	Lab Use
			443 5674	Front Office	0915	1015		
			443 5675	C-109A & B	0918	1018		
			443 5676	F-109	0924	1024		
			443 5677	E-105	0926	1026		
			443 5678	L-118	0931	1031		
			443					
			443					
			443					
			443					
			443					
			443					
			443					
			443					



Radon Chamber

Kansas State University



KSU Radon Chamber

NRPP Certification ID Number SC-1006



Date: 4/22/2020

Robert Burns
 Cascade Environmental LLC
 4346 NE 73rd Ave
 Portland OR 97218
bob@cascadenviro.com
 503.984.9737

These are the results of the spiking that we performed on the device(s) listed below:

Device Serial #	Start Date	Start Time	Stop Date	Stop Time	Chamber Value *
4435675	4/20/2020	0915	4/22/2020	10:15	23.9
4435679	4/20/2020	0915	4/22/2020	10:15	23.9
4435678	4/20/2020	0915	4/22/2020	10:15	23.9
4435674	4/20/2020	0915	4/22/2020	10:15	23.9
4435676	4/20/2020	0915	4/22/2020	10:15	23.9
4435677	4/20/2020	0915	4/22/2020	10:15	23.9
4435680	4/20/2020	0915	4/22/2020	10:15	23.9

These devices were spiked in our chamber at an average relative humidity of avg/rh 32.0 %.
These devices were spiked in our chamber at a chamber temperature of 73.5 ° f.
This chamber is at an elevation of approximately 1020 feet.

The additional information below is provided as a service for our customers who have furnished KSU Radon Chamber with the customer's measured values for the above devices. This equation calculates the difference between our chamber value and the customer's measured value and is called the percent error. It is calculated as follows:

$$\% \text{ Error} = \frac{\text{Measured Value} - \text{Chamber Value}}{\text{Chamber Value}} * 100$$

Measured Value: pCi/L

Chamber Value: pCi/L

Error:

Thank you for your patronage. If we can be of further help, please email us at radonchamber@ksu.edu or call us at (785-532-4992).

Sincerely,

Bruce Snead