



Alpha Environmental Services, Inc.
Post-Mitigation Radon Screening Measurement Report

February 26, 2019

Medford School District 549c
Bryan Cid-Hogan
Bryan.CidHogan@medford.k12.or.us

Re: Summary of Post-mitigation Radon Measurement Screening at 2430 Griffin Creek Rd,
Medford, OR 97501
Project No. 19-24783

Dear Medford School District 549c:

Alpha Environmental Services, Inc. performed a short-term Radon Measurement screening at the above-referenced school. Two Sun Nuclear 1030 Continuous Radon Monitor (CRM) were used to test from 02/18/19 to 2/21/2019. Three Air Chek radon test kits were also used for other rooms targeted for mitigation from 2/19/19 to 2/21/19. These test results represent the conditions that existed with respect to weather and operating conditions of the facility during the time period tested. Two radon mitigation systems were installed on 2/17/2019 by Alpha Environmental Services, Inc.

Results of the post-mitigation radon testing are included in the table below:

Unit Serial #	Location	Average (pCi/L)	Remarks
9157931	Classroom 1	<0.3	
77741029	Classroom 2	0.7	EPA Average
103991034	Classroom 12	0.4	EPA Average
7926751	Classroom 13	0.8	
9157941	Classroom 14	2.0	

These testing results indicate successful mitigation below the EPA recommended measure of 4.0 pCi/L.

It is recommended to perform a short-term or long-term radon test at least once every two years. It is also recommended that a long-term radon test be performed for 10 -12 months after a system has been installed and after the initial post-mitigation radon test results have been received.

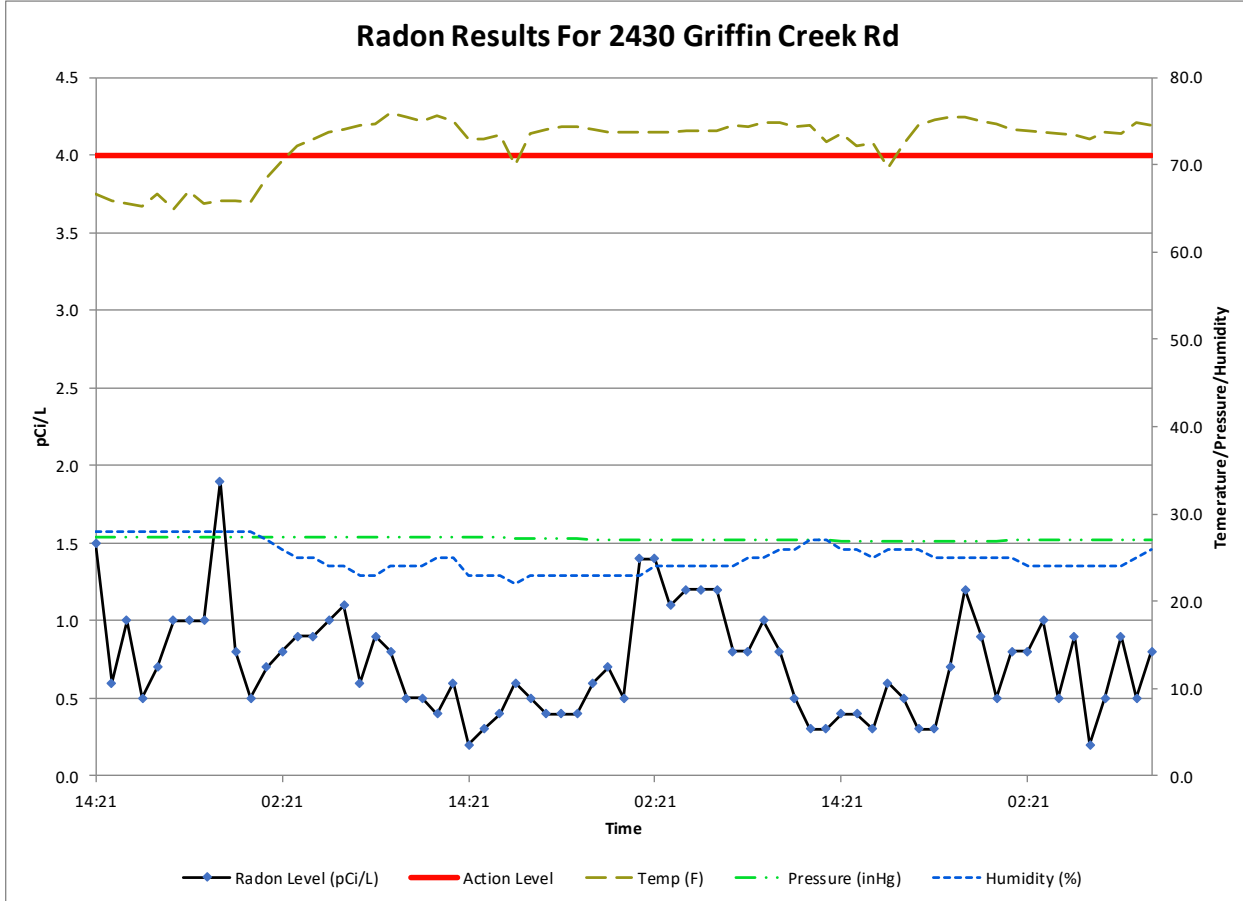
If you have any questions regarding this letter or if we can be of further assistance, please contact us at (503) 292-5346.

Sincerely,

Zachary Goodman
Alpha Environmental Services, Inc.
Encl.: Measurement Data

11080 SW Allen Boulevard, Suite #100
Beaverton, OR 97005
(503) 292-5346 fax: (503) 627-0942
OR CCB #152125 NRPP 106599 RT
www.alphaenvironmental.net

Radon Measurement Data Classroom 2



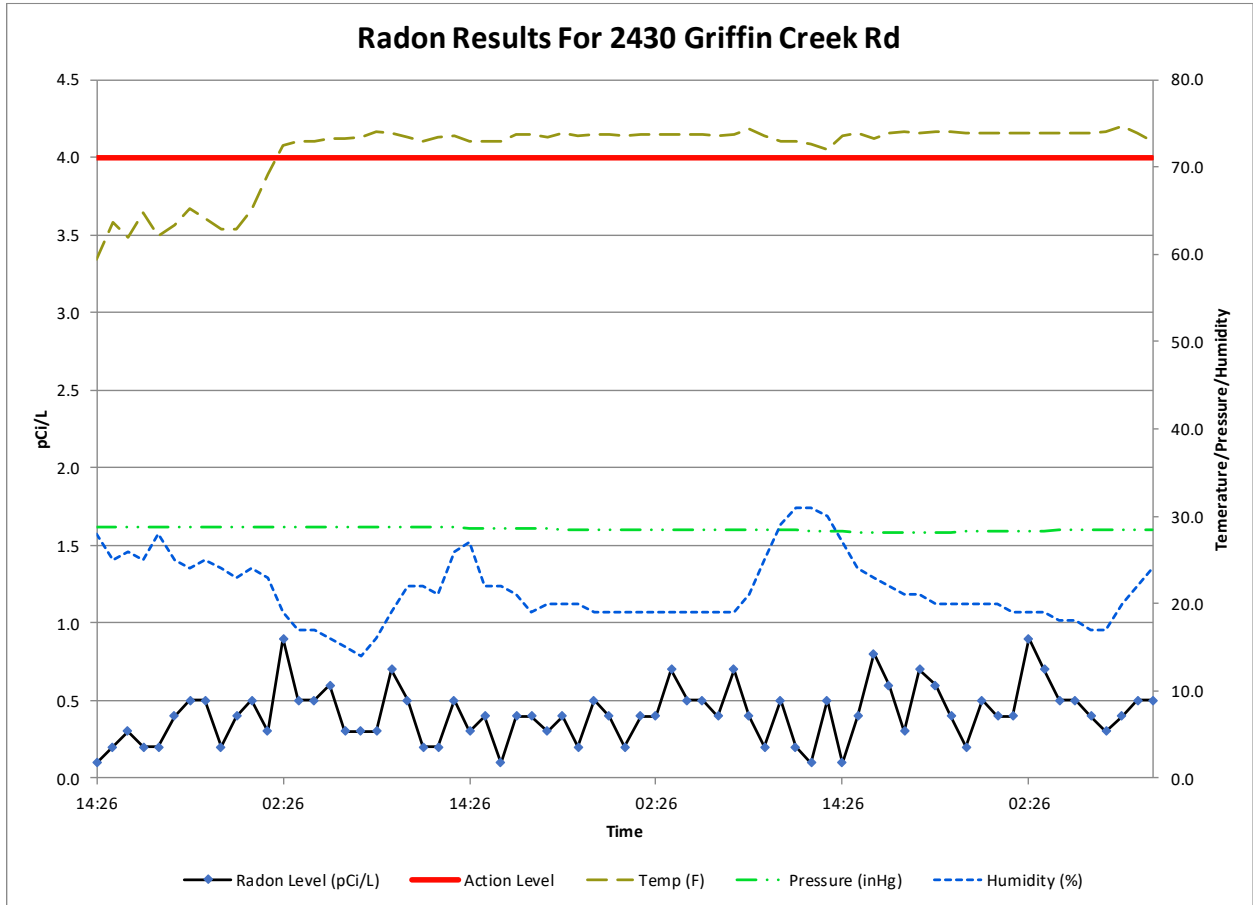
Start Time: 02/17/19 01:21 PM
 Stop Time: 2/21/2019 10:21 AM
 Total Time: 70.0 Hours
 Unit Serial #: CRM 77741029

Date/Time	Radon Level (pCi/L)	Temp (F)	Pressure (inHg)	Humidity (%)	Flags
2/18/2019 14:21	1.5	66.6	27.4	28	
2/18/2019 15:21	0.6	65.8	27.4	28	
2/18/2019 16:21	1.0	65.5	27.4	28	
2/18/2019 17:21	0.5	65.3	27.4	28	
2/18/2019 18:21	0.7	66.7	27.4	28	
2/18/2019 19:21	1.0	64.9	27.4	28	
2/18/2019 20:21	1.0	66.9	27.4	28	
2/18/2019 21:21	1.0	65.5	27.4	28	
2/18/2019 22:21	1.9	65.8	27.4	28	
2/18/2019 23:21	0.8	65.8	27.4	28	
2/19/2019 00:21	0.5	65.7	27.4	28	
2/19/2019 01:21	0.7	68.5	27.4	27	
2/19/2019 02:21	0.8	70.5	27.4	26	
2/19/2019 03:21	0.9	72.1	27.4	25	
2/19/2019 04:21	0.9	73.0	27.4	25	
2/19/2019 05:21	1.0	73.8	27.4	24	
2/19/2019 06:21	1.1	74.1	27.4	24	
2/19/2019 07:21	0.6	74.5	27.4	23	
2/19/2019 08:21	0.9	74.7	27.4	23	M
2/19/2019 09:21	0.8	75.9	27.4	24	
2/19/2019 10:21	0.5	75.4	27.4	24	
2/19/2019 11:21	0.5	75.0	27.3	24	
2/19/2019 12:21	0.4	75.6	27.3	25	
2/19/2019 13:21	0.6	75.0	27.3	25	
2/19/2019 14:21	0.2	73.0	27.3	23	
2/19/2019 15:21	0.3	72.9	27.3	23	M
2/19/2019 16:21	0.4	73.4	27.3	23	
2/19/2019 17:21	0.6	70.0	27.2	22	
2/19/2019 18:21	0.5	73.6	27.2	23	
2/19/2019 19:21	0.4	74.1	27.2	23	
2/19/2019 20:21	0.4	74.3	27.2	23	
2/19/2019 21:21	0.4	74.3	27.2	23	
2/19/2019 22:21	0.6	74.1	27.1	23	
2/19/2019 23:21	0.7	73.8	27.1	23	

Date/Time	Radon Level (pCi/L)	Temp (F)	Pressure (inHg)	Humidity (%)	Flags
2/20/2019 00:21	0.5	73.8	27.1	23	
2/20/2019 01:21	1.4	73.8	27.1	23	
2/20/2019 02:21	1.4	73.8	27.1	24	
2/20/2019 03:21	1.1	73.8	27.0	24	
2/20/2019 04:21	1.2	73.9	27.0	24	
2/20/2019 05:21	1.2	73.9	27.0	24	
2/20/2019 06:21	1.2	73.9	27.0	24	
2/20/2019 07:21	0.8	74.5	27.0	24	
2/20/2019 08:21	0.8	74.3	27.0	25	
2/20/2019 09:21	1.0	74.8	27.0	25	
2/20/2019 10:21	0.8	74.8	27.0	26	
2/20/2019 11:21	0.5	74.3	27.0	26	
2/20/2019 12:21	0.3	74.5	27.0	27	
2/20/2019 13:21	0.3	72.7	27.0	27	
2/20/2019 14:21	0.4	73.6	26.9	26	
2/20/2019 15:21	0.4	72.1	26.9	26	
2/20/2019 16:21	0.3	72.5	26.9	25	
2/20/2019 17:21	0.6	69.6	26.9	26	M
2/20/2019 18:21	0.5	72.3	26.9	26	
2/20/2019 19:21	0.3	74.5	26.9	26	
2/20/2019 20:21	0.3	75.2	26.9	25	
2/20/2019 21:21	0.7	75.4	26.9	25	
2/20/2019 22:21	1.2	75.4	26.9	25	
2/20/2019 23:21	0.9	75.0	26.9	25	
2/21/2019 00:21	0.5	74.7	26.9	25	
2/21/2019 01:21	0.8	74.1	27.0	25	
2/21/2019 02:21	0.8	73.9	27.0	24	
2/21/2019 03:21	1.0	73.8	27.0	24	
2/21/2019 04:21	0.5	73.6	27.0	24	
2/21/2019 05:21	0.9	73.4	27.0	24	
2/21/2019 06:21	0.2	73.0	27.0	24	
2/21/2019 07:21	0.5	73.8	27.0	24	
2/21/2019 08:21	0.9	73.6	27.1	24	
2/21/2019 09:21	0.5	74.8	27.1	25	
2/21/2019 10:21	0.8	74.5	27.1	26	M

High 1.9 pCi/L
 Low 0.2 pCi/L

Radon Measurement Data Classroom 12



Start Time: 02/17/19 01:26 PM
 Stop Time: 2/21/2019 10:26 AM
 Total Time: 70.0 Hours
 Unit Serial #: CRM 103991034

Date/Time	Radon Level (pCi/L)	Temp (F)	Pressure (inHg)	Humidity (%)	Flags
2/18/2019 14:26	0.1	59.4	28.8	28	
2/18/2019 15:26	0.2	63.7	28.7	25	
2/18/2019 16:26	0.3	61.9	28.7	26	
2/18/2019 17:26	0.2	64.8	28.7	25	
2/18/2019 18:26	0.2	62.1	28.7	28	
2/18/2019 19:26	0.4	63.3	28.7	25	
2/18/2019 20:26	0.5	65.3	28.7	24	
2/18/2019 21:26	0.5	64.2	28.7	25	
2/18/2019 22:26	0.2	62.8	28.7	24	
2/18/2019 23:26	0.4	62.8	28.7	23	
2/19/2019 00:26	0.5	65.1	28.7	24	
2/19/2019 01:26	0.3	69.1	28.7	23	
2/19/2019 02:26	0.9	72.5	28.8	19	
2/19/2019 03:26	0.5	73.0	28.8	17	
2/19/2019 04:26	0.5	73.0	28.8	17	
2/19/2019 05:26	0.6	73.2	28.7	16	
2/19/2019 06:26	0.3	73.2	28.7	15	
2/19/2019 07:26	0.3	73.4	28.7	14	
2/19/2019 08:26	0.3	74.1	28.8	16	
2/19/2019 09:26	0.7	73.9	28.7	19	M
2/19/2019 10:26	0.5	73.4	28.7	22	
2/19/2019 11:26	0.2	72.9	28.7	22	
2/19/2019 12:26	0.2	73.4	28.7	21	
2/19/2019 13:26	0.5	73.6	28.7	26	
2/19/2019 14:26	0.3	72.9	28.6	27	
2/19/2019 15:26	0.4	73.0	28.6	22	
2/19/2019 16:26	0.1	72.9	28.6	22	
2/19/2019 17:26	0.4	73.8	28.6	21	
2/19/2019 18:26	0.4	73.8	28.6	19	
2/19/2019 19:26	0.3	73.4	28.6	20	
2/19/2019 20:26	0.4	73.9	28.5	20	
2/19/2019 21:26	0.2	73.6	28.5	20	
2/19/2019 22:26	0.5	73.8	28.5	19	
2/19/2019 23:26	0.4	73.8	28.5	19	

Date/Time	Radon Level (pCi/L)	Temp (F)	Pressure (inHg)	Humidity (%)	Flags
2/20/2019 00:26	0.2	73.6	28.4	19	
2/20/2019 01:26	0.4	73.8	28.4	19	
2/20/2019 02:26	0.4	73.8	28.4	19	
2/20/2019 03:26	0.7	73.8	28.4	19	
2/20/2019 04:26	0.5	73.8	28.4	19	
2/20/2019 05:26	0.5	73.8	28.4	19	
2/20/2019 06:26	0.4	73.6	28.4	19	
2/20/2019 07:26	0.7	73.8	28.4	19	
2/20/2019 08:26	0.4	74.3	28.4	21	
2/20/2019 09:26	0.2	73.6	28.4	25	M
2/20/2019 10:26	0.5	72.9	28.4	29	
2/20/2019 11:26	0.2	73.0	28.4	31	
2/20/2019 12:26	0.1	72.7	28.3	31	M
2/20/2019 13:26	0.5	72.0	28.3	30	M
2/20/2019 14:26	0.1	73.6	28.3	27	
2/20/2019 15:26	0.4	73.9	28.2	24	
2/20/2019 16:26	0.8	73.2	28.2	23	
2/20/2019 17:26	0.6	73.9	28.2	22	
2/20/2019 18:26	0.3	74.1	28.2	21	
2/20/2019 19:26	0.7	73.9	28.2	21	
2/20/2019 20:26	0.6	74.1	28.2	20	
2/20/2019 21:26	0.4	74.1	28.2	20	
2/20/2019 22:26	0.2	73.9	28.3	20	
2/20/2019 23:26	0.5	73.9	28.3	20	
2/21/2019 00:26	0.4	73.9	28.3	20	
2/21/2019 01:26	0.4	73.9	28.3	19	
2/21/2019 02:26	0.9	73.9	28.3	19	
2/21/2019 03:26	0.7	73.9	28.3	19	
2/21/2019 04:26	0.5	73.9	28.4	18	
2/21/2019 05:26	0.5	73.9	28.4	18	
2/21/2019 06:26	0.4	73.9	28.4	17	
2/21/2019 07:26	0.3	74.1	28.4	17	
2/21/2019 08:26	0.4	74.7	28.4	20	
2/21/2019 09:26	0.5	73.9	28.4	22	
2/21/2019 10:26	0.5	73.0	28.5	24	

High 0.9 pCi/L
 Low 0.1 pCi/L

February 22, 2019

**** LABORATORY ANALYSIS REPORT ****

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Attention: P4777 / RICHARD CASON / ALPHA ENVIRONMENTAL SVCS INC

Kit #: 7926751 Result: 0.8 ± 0.3 pCi/l
Location: 1st Floor
Griffin Creek
2430 Griffin Creek Rd Rm 13
Medford, OR 97501-4226

Analysis Note :
Analyzed : 2019-02-22 at 12:00 pm
Started : 2019-02-19 at 5:00 am
Ended : 2019-02-21 at 11:00 am
Hours/MST% : 54 hours 5.1% 70°F

Kit #: 9157931 Result: < 0.3 pCi/l
Location: 1st Floor
Griffin Creek
2430 Griffin Creek Rd Rm 1
Medford, OR 97501-4226

Analysis Note :
Analyzed : 2019-02-22 at 12:00 pm
Started : 2019-02-19 at 5:00 am
Ended : 2019-02-21 at 11:00 am
Hours/MST% : 54 hours 3.6% 70°F

Kit #: 9157941 Result: 2.0 ± 0.3 pCi/l
Location: 1st Floor
Griffin Creek
2430 Griffin Creek Rd Rm 14
Medford, OR 97501-4226

Analysis Note :
Analyzed : 2019-02-22 at 12:00 pm
Started : 2019-02-19 at 5:00 am
Ended : 2019-02-21 at 11:00 am
Hours/MST% : 54 hours 3.7% 70°F

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

PURPOSE OF THIS INSPECTION REPORT

To provide a professional opinion of a structure's radon levels at the time of the test period, limited to the conditions identified in this report.

EPA EXPLANATION OF TEST RESULTS

Radon is the second leading cause of lung cancer, after smoking. The U.S. Environmental Protection Agency (EPA) and the Surgeon General strongly recommend taking further action when a home's radon test results are **4.0 pCi/l** (picocuries per liter of air) or greater. Radon levels less than **4.0 pCi/l** still pose some risk and in many cases may be reduced. The national average indoor radon level is about 1.3 pCi/l while outdoor radon levels average 0.4 pCi/l. The higher a home's radon level, the greater the health risk to you and your family especially over increasing amounts of time. Smokers and former smokers are at an especially high risk. The EPA recommends that you use an EPA or State-approved contractor trained to mitigate elevated radon levels within residential or commercial properties. You can call your state radon office to obtain information, including a list of EPA or State-approved radon contractors who can fix or can help you develop a plan for fixing the radon problem. Many questions you may have can also be found in EPA's publication *Home Buyer's and Seller's Guide to Radon*.

LIMITATIONS OF LIABILITY

Alpha Environmental Services, Inc. cannot guarantee that the necessary conditions were maintained during the test period. There can be uncertainty with any radon measurement due to statistical variations and other factors such as changes in the weather and operation of the dwelling. While our agents and we make every effort to maintain the highest possible quality control and include checks and verification steps in our procedures, we make **NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED**, for the consequences of erroneous test results. **Alpha Environmental Services, Inc.** nor its employees or agents shall not be liable under any claim, charge or demand, whether in contract, tort, or otherwise, for any and all loss, cost, charge, claim, demand, fee, or expense of any nature or kind arising out of, connected with, resulting from, or sustained as a result of any radon test.