



**Alpha Environmental Services, Inc.  
Radon Measurement Screening Report**

Monday, September 11, 2017

Le Monde Immersion Charter School and Shouka Rezvani  
shouka@lemondeimmersion.org

Re: Summary of Radon Measurement Screening at 2408 SE 16th Ave, Portland, OR 97214  
Project No. 17-17709

Dear Le Monde Immersion Charter School:

Alpha Environmental Services, Inc. performed a short term Radon Measurement Screening at the above-referenced address from 9/08/2017 3:00 PM to 9/11/2017 9:00 AM. The testing was conducted in the Hallway. These test results represent the conditions that existed with respect to weather and also operating conditions of the home during the time period tested.

AccuStar Labs RS300 Continuous Radon Monitor (CRM) was utilized for this testing procedure.

Results of radon testing are included in the table below:

Unit Serial #	Location	Average (pCi/L)	Remarks
04985	Hallway	1.0	EPA Average

The average for this test is 1.0 pCi/L (picoCuries per Liter).

According to the US Environmental Protection Agency (EPA) *Home Buyer's and Seller's Guide to Radon* the recommendation is to mitigate (fix) the home if the average is 4.0 pCi/L or more and to consider mitigation if the average is between 2.0 pCi/L and 4.0 pCi/L.

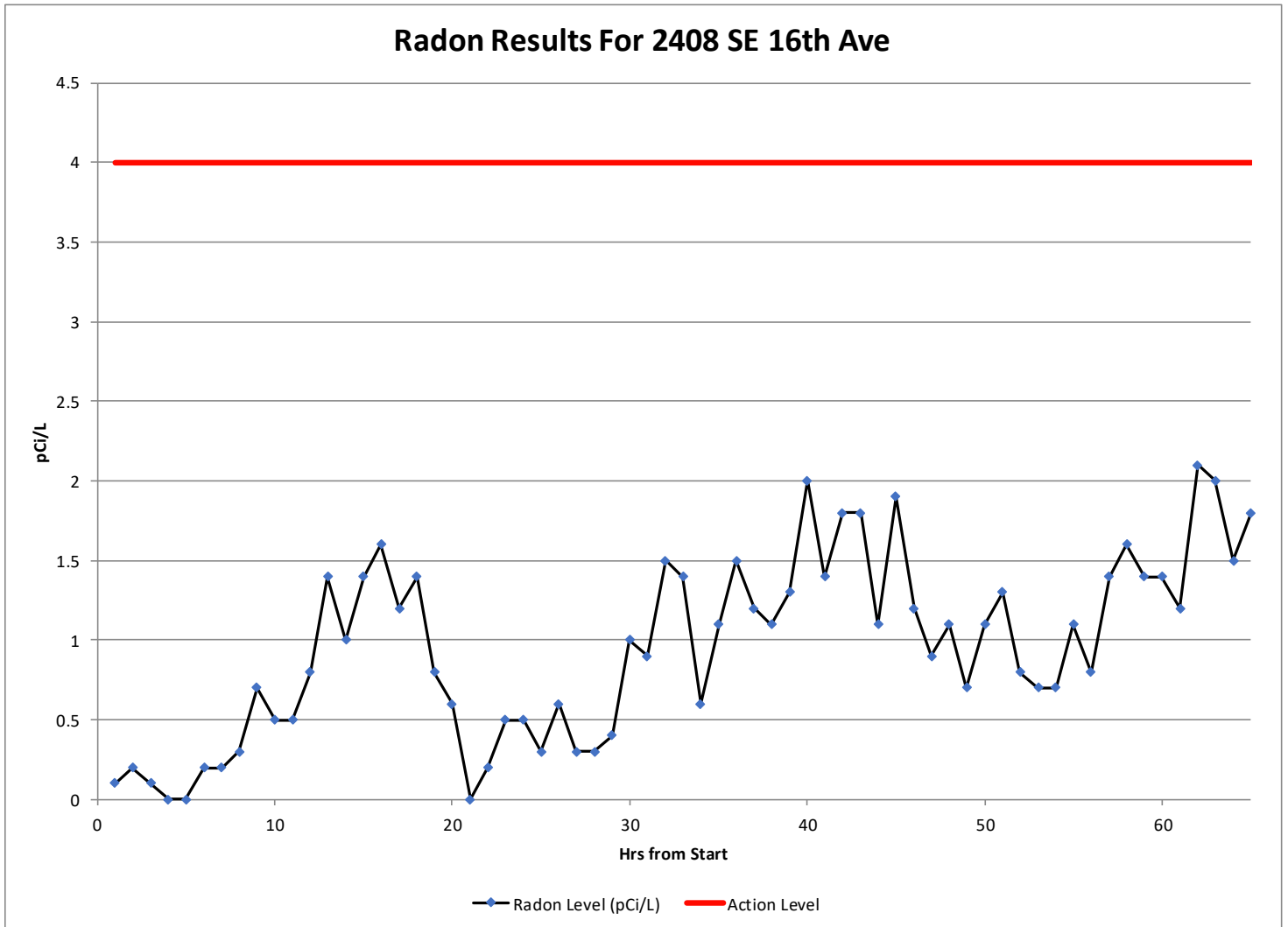
In any case, the EPA recommends retesting about every two years or following changes to your home such as new windows, insulating, sealing, remodeling or similar activities. Alpha recommends a long-term test when the initial short-term test was less than the NAL (National Action Level) of 4.0 pCi/L.

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

Sincerely,

Chris Aguilar  
Radon Technician  
Alpha Environmental Services, Inc.  
Encl.: Measurement Data

## Radon Measurement Data



Start Time: 9/08/2017 3:00 PM  
Stop Time: 9/11/2017 9:00 AM  
Total Time: 67.0 Hours  
Unit Serial #: CRM 04985

Hr	Tamper	Battery	AC Pwr	Radon Level (pCi/L)	Alpha Particles
1				0.1	2
2				0.2	3
3				0.1	2
4				0	1
5				0	1
6				0.2	4
7				0.2	3
8				0.3	6
9				0.7	15
10				0.5	10
11				0.5	10
12				0.8	17
13				1.4	28
14				1	20
15				1.4	28
16				1.6	32
17				1.2	24
18				1.4	28
19				0.8	16
20				0.6	12
21				0	1
22				0.2	5
23				0.5	11
24				0.5	10
25				0.3	7
26				0.6	12
27				0.3	6
28				0.3	6
29				0.4	8
30				1	20
31				0.9	18
32				1.5	30
33				1.4	28
34				0.6	13
35				1.1	23

Hr	Tamper	Battery	AC Pwr	Radon Level (pCi/L)	Alpha Particles
36				1.5	31
37				1.2	25
38				1.1	23
39				1.3	27
40				2	41
41				1.4	29
42				1.8	37
43				1.8	36
44				1.1	23
45				1.9	38
46				1.2	25
47				0.9	18
48				1.1	22
49				0.7	15
50				1.1	23
51				1.3	27
52				0.8	17
53				0.7	15
54				0.7	15
55				1.1	22
56				0.8	16
57				1.4	28
58				1.6	33
59				1.4	29
60				1.4	29
61				1.2	24
62				2.1	43
63				2	40
64				1.5	31
65				1.8	36

High 2.1 pCi/L  
Low 0 pCi/L

### **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 the 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. Smokers and former smokers are at especially high risk. EPA recommends that you use an EPA or State-approved contractor trained to fix radon problems. 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 be found in EPA's publication "**Home Buyer's and Seller's Guide to Radon**".

### **LIMITATIONS OF LIABILITY**

**Alpha Environmental Services, Inc** cannot guarantee 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.

### **RADON TEST DATA**

This test was performed with a AccuStar Labs RS300 Continuous Radon Monitor (CRM) an American Association of Radon Scientists and Technicians – National Radon Proficiency Program (AARST-NRPP) and Industry approved testing device. The test was performed in accordance with the current Standards and Guidelines accepted for radon testing.

**Test Technician: Chris Aguilar**  
Alpha Environmental Services, Inc  
11080 SW Allen Blvd, Suite 100  
Beaverton, OR 97005  
503-292-5346

