APEX
ENVIRONMENTAL CONSULTING

April 13, 2021

Mr. Jesse Cavazos
Tigard Tualatin School District
6960 SW Sandburg
Tigard, Oregon 97223

FOLLOW-UP LONG TERM RADON TESTING AT CREEKSIDE COMMUNITY HIGH SCHOOL IN TIGARD OREGON

Dear Mr. Cavazos:

At your request Apex Environmental collected initial samples for radon analysis at Creekside ES located at 8040 SW Durham Road in Tigard, Oregon. This samples were collected for a period of approximately 72 hours using activated carbon short term kits. Short term radon test kits measure radon over a period of 2-4 days. The short-term kits utilized use a container that contains a quantity of granular activated charcoal. The charcoal absorbs the radon gas entering the container from the surrounding air. At the end of the testing period the container was sealed and set to Air Chek, Inc. for analysis.

Radon levels reported by Air Chek were below the EPA corrective action recommendations with the exception of one location collected from the Science Classroom 123 and the duplicate sample collected side by side. (see attached table). Radon levels in the Science Classroom were 4.6 and 4.9 pCi/L. Based upon these results long term follow-up testing was performed in this area. Follow up testing was performed made in the same location and under the same conditions as the initial measurements (to the extent possible, including similar seasonal conditions and especially HVAC system operation) and within 30 days of the initial test. This sample was placed in the Science classroom for a period of 31 days and sent to RSSI Laboratory in Morton Grove, Illinois for analysis. Analysis of the 31 day sample revealed 2.9 pCi/L. According to the TTSD Radon Testing Plan no further action would be required in this area.

If you have any questions or need anything further, please feel free to call me.

Sincerely,

Jose Godinez

Jose Godinez
Radon Measurement Technician

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Morton Grove, IL 60053-2723
847-965-1999
Fax 847-965-1991

April 08, 2021

Apex Environmental
Tulla Stocker
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USA

Alpha Track Radon Test Results

This report lists the average radon concentration that your RSSI AT-101 or AT-102 alpha track radon detector was exposed to during its deployment period. Radon concentration is expressed in picocuries per liter of air (pCi/L) and the result is rounded to the nearest 0.1 pCi/L. If the testing instructions were not followed, which are based on the ANSI/AARST MAH-2019 protocol (Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes), the reported result may not be accurate. RSSI operates as a radon analytical laboratory and is registered, accredited, or licensed by the Illinois Emergency Management Agency, National Radon Proficiency Program, National Radon Safety Board, California, Indiana, Iowa, Kansas, Maine, Minnesota, Nebraska, New York, Ohio, Pennsylvania, and Rhode Island.

If the result is close to 4 pCi/L and the test period is less than 90 days, you may wish to retest for a longer period before making a decision about radon mitigation actions. See additional information on the reverse side of this form.

Detector	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
624355	2.9 ± 8%	1st Floor or Grade Level CLASSROOM	JOSE GODINEZ 8040 SW DURHAM RD TIGARD, OR 97224	2/25/2021	3/26/2021	NA

Analyzed By:

Zoe Darlington
Radon Analyst

04/08/ 2021
Analysis Date

*****END REPORT*****

*See final page for details and notes if applicable

Analytical results showing the radon concentration relate only to the device(s) tested in the condition as received by RSSI. Results were calculated based on information provided by the client.

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WHAT YOUR TEST RESULTS MEAN

The average indoor radon concentration in homes is estimated by the US EPA to be between 1 and 2 pCi/L. The average outdoor radon concentration is about 0.4 pCi/L. The radon level in most homes that exceed the US EPA's action level of 4.0 pCi/L can be reduced to below 2 pCi/L.

Radon levels fluctuate daily, seasonally, and with varying weather conditions. If your test period was for less than 90 days, you may wish to test again for a full year to get a better sense of your average annual concentration. If your living patterns change and you begin occupying a level of your home lower than the level on which you have tested, you should retest your home on that lower level.

WHAT SHOULD YOU DO

The US EPA states that any level of radon exposure has an associated health risk. Lowering the radon concentration in your home can reduce that risk. A variety of methods can be used to reduce radon in a home ranging from sub-slab depressurization systems to the sealing of cracks and openings in floors. A local radon contractor may also have other methods that will work in your home. The right system depends on the design of your home and other factors.

If you have general questions regarding radon in your homes, please contact your state radon office with the information listed below or visit the US EPA website at https://www.epa.gov/radon.

If you have any specific questions regarding your alpha-track radon test results, please contact RSSI via email at radon@rssi.us or via telephone at 847-965-1999.

REAL ESTATE TRANSACTIONS

Buyers and renters frequently ask about radon concentration before they buy or rent a home. Some states require disclosure of your radon measurement results. Real estate transactions may happen quickly and may not allow enough time use a long-term test kit. The best thing to do is to save this report where you will be able to locate it in case a buyer or renter is interested in it. If necessary, take radon reduction steps now and retest so radon will not complicate a real estate transaction.

STATE RADON OFFICE:

Oregon
971-673-0490

http://www.oregon.gov

The state of Oregon requires that we report all radon results for tests performed in their state by Street Address, City, State, Zip Code, County, Test Level, Test Start Date, and Test End Date.

*NOTES:

NA-No applicable notes: There are no notes applicable to this detector.
1-Broken Seal: When your detector arrived at the laboratory, the top and/or bottom seal was broken. If the detector had lain open during the test period, the reported results may not be accurate.
2-Damaged Filter: When your detector arrived at the laboratory, the white filter had been damaged. If the filter was damaged before or during the test period, the reported results may not be accurate.
3-Loose Test Material: When your detector arrived at the laboratory, the inner test material had come loose from its mounting. If the test material had detached before or during the test period, the reported results may not be accurate.
4-Missing Test Material: When your detector arrived at the laboratory, the detector had been opened and the inner test material was missing. Therefore, we were not able to analyze your detector.
5-Missing End Date: Your documentation did not include a test end date. To calculate your average radon concentration, divide the test result listed on this report by the total number of days the detector was deployed.
6-Missing Start Date: Your documentation did not include a test start date. To calculate your average radon concentration, divide the test result listed on this report by the total number of days the detector was deployed.
7-Less Than 8 Days: Your test period was less than the recommended 8-day test period. Therefore, the test results may not be accurate.
8-Past Expiration Date: Your detector arrived at the laboratory after the expiration date listed on the detector. Therefore, the test results may not be accurate.
9-Missing Both Dates: Your documentation did not include test start and end dates. To calculate your average radon concentration, divide the test result listed on this report by the total number of days the detector was deployed.