



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

Tuesday, December 27, 2022

Austin and Scio School District

Re: Summary of Radon Measurement Screening at 38875 NW 1st Ave, Scio, OR 97374  
Project No. 22-51112

Dear Austin:

Alpha Environmental Services, Inc. performed a short-term Radon Measurement Screening at the above-referenced address from 12/19/2022 to 12/21/2022. The testing was conducted throughout elementary school. These test results represent the conditions that existed with respect to weather and operating conditions of the home during the time period tested.

AirChek radon charcoal-activated test kits were utilized for this testing procedure.

Results of radon testing are included at the end of this report. All radon levels were below 2.0 pCi/L, which is the lowest threshold mitigation is typically considered.

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,

A handwritten signature in black ink that reads "Zachary Goodman".

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

### **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 <TestTypeDescription> 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 Herber**  
Alpha Environmental Services, Inc  
11080 SW Allen Blvd, Suite 100  
Beaverton, OR 97005  
503-292-5346









**12/22/22 ACTIVATED CHARCOAL RADON TEST #20160712**

**Radon Test Result: < 0.3 ±0.3 pCi/L**

**Test Started 12/19/22 at 9:00 am**  
**Test Ended 12/21/22 at 9:00 am**  
Closed house conditions maintained during test

**Location 1st Floor**

gym reading rm



SCIO ES  
38875 NW 1ST AVE  
SCIO, OR 97374-9501

This radon test was provided to you by  
RadonZone / 866-992-3910

**INTERPRETING YOUR TEST RESULT**

The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range (0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.



**Air Chek**  
**PO Box 2000**  
**Naples, NC 28760**  
**www.radon.com**

**Your Test Result**

This result has been rounded to one-tenth (0.1) of a pCi/L (picocurie per liter). This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis calculations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, temperature, time from the end of test, and the amount of radiation measured. If your test kit was used prior to the Use By date, ALL the testing protocols and instructions were carefully followed, and the data recorded properly on the test packet, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the test period.

**Health Risks**

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

**Conducting Follow-up Measurements**

USEPA protocol describes two general types of radon measurements: short-term tests conducted from 48 hours up to 90 days, and long-term tests that last from 91 to 365 days. Your first test (initial/screening) should be a short-term 'worst-case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed-building conditions, in the lowest lived-in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst-case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

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Most states have a radon office to assist citizens with general questions about radon and radon reduction techniques. Many states maintain a list of licensed or certified radon testing and mitigation professionals. You can visit [www.state-radon.info](http://www.state-radon.info) to find the list of state radon contacts, as well as links to additional radon resources in your area.









**12/22/22 ACTIVATED CHARCOAL RADON TEST #20160715**

**Radon Test Result: < 0.3 ±0.3 pCi/L**

**Test Started 12/19/22 at 9:00 am**  
**Test Ended 12/21/22 at 8:00 am**  
Closed house conditions maintained during test

**Location 1st Floor**

mrs. brockamp

|||||  
SCIO ES GYM  
38875 NW 1ST AVE  
SCIO, OR 97374-9501

This radon test was provided to you by  
RadonZone / 866-992-3910

**INTERPRETING YOUR TEST RESULT**

The US EPA action level for indoor radon is 4.0 pCi/L. Test results in this range (0.5 pCi/L or less) are, for all practical purposes, equivalent to the radon levels found in fresh air. However, if you make any structural changes or start to use a lower level of the building more frequently you should test again.



**Air Chek**  
**PO Box 2000**  
**Naples, NC 28760**  
**www.radon.com**

**Your Test Result**

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**Health Risks**

The primary health risk from long-term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. EPA has set an Action Level for radon at 4 pCi/L; however radon concentrations less than 4 pCi/L still pose some health risks. The Indoor Radon Abatement Act set a goal for indoor radon concentrations to equal the amount of radon found outdoors, which is estimated to be ~ 0.4 pCi/L.

**Conducting Follow-up Measurements**

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**12/22/22 ACTIVATED CHARCOAL RADON TEST #20160718**

**Radon Test Result: 0.6 ±0.3 pCi/L**

**Test Started 12/19/22 at 8:00 am**  
**Test Ended 12/21/22 at 8:00 am**  
Closed house conditions maintained during test

gym nw

|||||  
SCIO ES GYM NW CORN  
38875 NW 1ST AVE  
SCIO, OR 97374-9501

This radon test was provided to you by  
RadonZone / 866-992-3910

**INTERPRETING YOUR TEST RESULT**

The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little short-term risk with test results in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as seasonally, you may want to retest during another season. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.



**Air Chek**  
**PO Box 2000**  
**Naples, NC 28760**  
**www.radon.com**

**Your Test Result**

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