



West Linn – Wilsonville Schools

October 17, 2023

Dear Lowrie Primary School students, parents, staff and all Building Occupants:

As part of the Oregon Health Authority's Healthy and Safe Schools Plan, all Oregon schools are required to test for radon. To ensure all West Linn-Wilsonville schools are safe and healthy, and to meet the OHA mandates, the District placed test canisters at Lowrie Primary School on October 9, 2023 for follow-up radon testing after HVAC renovations in summer 2023. The test canisters were picked up on October 12, 2023 and immediately shipped for testing. Results were received from the lab on October 16, 2023.

Results:

A total of 39 occupied first floor spaces were tested. None of the 39 locations exceeded the 4.0 picocuries per liter of air (pCi/L) action level established by the Environmental Protection Agency (EPA).

Next Steps:

Lowrie had previously been tested for radon in February, 2023. Based on tests that exceeded the EPA's action level of 4.0 pCi/L at that time, the District moved forward with robust, albeit temporary, HVAC solutions. Those temporary solutions proved to be effective and sustainable, and thus have moved the District to adopt these HVAC changes permanently.

Because the District has now met the OHA radon testing requirements at Lowrie, no further testing is required for 10 years. However, to ensure HVAC solutions remain effective, the District will conduct three short-term follow-up tests this school year via the District's Continuous Radon Monitors (CRMs). The follow-up tests will be run for one week in December, one week in February, and one week in March.

Attached is the testing log sheet for Lowrie Primary School. Below is a glossary of terms used to help understand the test results.

GLOSSARY:

Radon — A gaseous radioactive decay product of radium.

Blanks — Measurements made by analyzing unexposed (closed) detectors that accompanied exposed detectors to the field. The School District's use of blanks is to assess any change in analysis result caused by exposure other than in the environment to be measured. Background levels may be due to leakage of radon into the detector, detector response to gamma radiation, or other causes.

Duplicates — Duplicate measurements provide a check on the precision of the measurement result and allow the user to make an estimate of the relative precision. Large precision errors may be caused by detector manufacture or improper data transcription or handling by suppliers, laboratories, or technicians performing placements. Precision error can be an important component of the overall error. The precision of duplicate measurements is monitored and recorded as quality records.

Spikes — Measurements used to assess the accuracy of a lab analysis and/or how accurately detectors supplied by a laboratory (i.e. test kit manufacturer) measure radon. "Spikes" are test kits that have been exposed to a known concentration of radon in a chamber approved by the National Radon Proficiency Program (NRPP) or National Radon Safety Board (NRSB). Spikes must be performed by a separate laboratory, then sent for analysis with the bulk samples. The process for completing this aspect of a radon measurement effort's Quality Assurance/Quality Control plan is laid out in the Radon Test Placement Strategy and Protocol Checklist.

For any questions regarding radon testing or results in our district, please contact Jeremy Nichols, designated Radon Coordinator, at (503) 673-7981. Thank you for your attention to this important issue.

Sincerely,
Jeremy Nichols
Safety & Security Supervisor
Department of Operations