

HELIX ADMINISTRATIVE SCHOOL DISTRICT NO. 1-R



P.O. Box 398 • Helix, Oregon 97835

Telephone: 541-457-2175

HOME of THE GRIZZLIES

Tuesday, November 19, 2019

Dear Helix Parents, Teachers and Staff,

The 2015 Legislature passed House Bill (HB) 2931 so that elevated radon levels in Oregon schools would be known. House Bill 2931 later became Oregon Revised Statute (ORS) 332.166-167. As directed by this statute, all school districts in Oregon must develop a plan to accurately measure school buildings for elevated radon levels. Under the statute, school districts must submit a plan to Oregon Health Authority (OHA) by September 1, 2016. Per ORS 332.166-167, actual testing of schools must be done on or before January 1, 2021 and the testing results sent to OHA and posted on the school district's website.

Radon Gas testing was completed in the Helix School District and all test sites were found to be well within the safe limits for radon exposure. The EPA level for action is 4.0 pCi/l and all our classrooms tested well below this level.

To view the results of radon tests visit the Helix SD webpage, <https://www.helix.k12.or.us/>, click on Menu, go to Helpful Link and click on the Healthy and Safe School link. Included within those results you will see duplicates, a spike kit in room 400 and blanks in the library, and 7th grade. These are used as control devices to check the accuracy of the measurements.

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 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. Closed-Building Conditions - Means keeping all windows closed, keeping doors closed except for normal entry and exit, and not operating fans or other machines which bring in air from outside. Fans that are part of a radon-reduction system or small exhaust fans operating for only short periods of time may run during the test.

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 are 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). 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 below.

For any question regarding radon testing or results in our district, please contact me at 541-457-2175, ext. 3757.

Sincerely,

Darrick Cope
Superintendent

Helix School District

Dcope@helix.k12.or.us

Radon test result report for:

**HELIX SCHOOL DISTRICT
HIGH SCHOOL**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7268606		2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.6 ± 0.3	2019-11-18
7268604		2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.7 ± 0.3	2019-11-18
7268605		2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.5 ± 0.3	2019-11-18
7268573	400	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	17.8 ± 1.1	2019-11-18
9256026	BAND ROOM	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	1.4 ± 0.3	2019-11-18
9256007	BASEMENT	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	1.6 ± 0.3	2019-11-18
7263314	BASEMENT	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	1.5 ± 0.4	2019-11-18
7268579	CAFETERIA	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	0.7 ± 0.3	2019-11-18
7268580	CAFETERIA	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.0 ± 0.3	2019-11-18
7268583	COMPUTER LAB 304	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.2 ± 0.3	2019-11-18
7268575	CONFERENCE ROOM	2019-11-12 @ 7:00 am	2019-11-15 @ 7:00 am	0.7 ± 0.3	2019-11-18
7268585	LANGUAGE ARTS 306	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.4 ± 0.3	2019-11-18
7268611	LIBRARY	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	0.9 ± 0.3	2019-11-18
7268614	LIBRARY	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	< 0.3	2019-11-18
7268612	LIBRARY	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	0.9 ± 0.3	2019-11-18
7268603	MAIN GYM	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.4 ± 0.3	2019-11-18
7268584	MATH 305	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.1 ± 0.3	2019-11-18
7268609	NEW GYM	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	2.1 ± 0.4	2019-11-18
7268607	NEW GYM	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	2.2 ± 0.4	2019-11-18
7268610	NEW GYM	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.9 ± 0.3	2019-11-18
7268608	NEW GYM	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.9 ± 0.4	2019-11-18
7268576	NURSES OFFICE	2019-11-12 @ 7:00 am	2019-11-15 @ 7:00 am	1.0 ± 0.3	2019-11-18
7268574	OFFICE	2019-11-12 @ 7:00 am	2019-11-15 @ 7:00 am	0.9 ± 0.3	2019-11-18
7268582	SCIENCE ROOM 301	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.1 ± 0.3	2019-11-18
9256005	SHOP	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	1.6 ± 0.3	2019-11-18
9256038	SHOP	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	1.4 ± 0.3	2019-11-18
7268581	SOCIAL STUDIES	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.8 ± 0.3	2019-11-18
7268578	SUPERINTENDENTS OFFICE	2019-11-12 @ 7:00 am	2019-11-15 @ 7:00 am	0.7 ± 0.3	2019-11-18
7268613	WEIGHT ROOM	2019-11-12 @ 9:00 am	2019-11-15 @ 8:00 am	1.4 ± 0.3	2019-11-18

Radon test result report for:

**HELIX SCHOOL DISTRICT
ELEMENTARY AND MIDDLE SCHOOL**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
7268601		2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.4 ± 0.3	2019-11-18
7268592		2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	2.0 ± 0.4	2019-11-18
7268598	1ST GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.8 ± 0.3	2019-11-18
7268597	2ND GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.3 ± 0.3	2019-11-18
7268599	3RD GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	2.1 ± 0.4	2019-11-18
7268590	6TH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.4 ± 0.3	2019-11-18
7268589	7TH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	< 0.3	2019-11-18
7268587	7TH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.3 ± 0.3	2019-11-18
7268586	7TH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.2 ± 0.3	2019-11-18
7268588	8TH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.4 ± 0.3	2019-11-18
7268591	COMPUTER LAB	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.7 ± 0.3	2019-11-18
7268594	FIFTH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.6 ± 0.3	2019-11-18
7268593	FOURTH GRADE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.6 ± 0.4	2019-11-18
7268600	KINDERGARTEN	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.1 ± 0.3	2019-11-18
7268602	RESOURCE ROOM	2019-11-12 @ 8:00 am	2019-11-15 @ 8:00 am	1.6 ± 0.4	2019-11-18
7268596	SPECIAL ED	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.9 ± 0.4	2019-11-18
7268595	TEACHERS LOUNGE	2019-11-12 @ 8:00 am	2019-11-15 @ 7:00 am	1.6 ± 0.3	2019-11-18