Tigard-Tualatin School District

Radon Test Results

May 2016

In April, the Tigard-Tualatin School District began working with TRC Environmental to voluntarily test schools for radon. The testing was a proactive response to a new Oregon law that will require all school districts to test for radon by January, 2021. This new law also requires school districts to submit radon testing plans by September, 2016. Radon is a naturally occurring, colorless, odorless gas known to cause lung cancer.

Radon detection devices were placed in more than 950 ground floor classrooms and occupied spaces throughout the district. The results have recently been received and are summarized in the chart below. **Radon amounts measuring under 4.0 pCi/L are below the action level established by the Environmental Protection Agency (EPA).**

Of all the areas tested, one location--under the stage in the C.F. Tigard Elementary cafeteria--returned a result of 5.3 pCi/L which is above EPA action level of 4.0 pCi/L. When results show levels of 4.0 pCi/L or above, the Environmental Protection Agency (EPA) guidelines call for conducting a long-term follow-up test over a 9-month period. We have scheduled this test for the fall of 2016. Results from this long-term test will be reported when they become available in the spring of 2017. TTSD will follow EPA testing guidelines as well as the recommended steps for reducing radon levels in the C.F. Tigard cafeteria while the long-term test is being conducted. This involves increasing the airflow into the cafeteria. This month, the district will also be performing another short term test in the cafeteria itself.

Here is a link to more information about radon: https://www.epa.gov/radon/radon-schools

Radon Testing	
School	**Highest individual Test Level Recorded**
Alberta Rider	2.0 pCi/L
Bridgeport	See next page
Byrom	1.0 pCi/L
CFT	**5.3 pCi/L under the stage in the Cafeteria**
Deer Creek	1.8 pCi/L
Durham	1.9 pCi/L
Metzger	0.6 pCi/L
Templeton	3.1 pCi/L
TuEL	1.2 pCi/L
Woodward	1.6 pCi/L
Fowler	1.1 pCi/L
Hazelbrook	1.5 pCi/L
Twality	1.7 pCi/L
THS	1.8 pCi/L
TuHS	2.9 pCi/L
Durham Center	2.4 pCi/L
Hibbard	1.8 pCi/L

July 26, 2016

To: Bridgeport Staff and Families

From: Supt. Ernie Brown

Subject: Updated Radon Testing Results

On June 7, the Tigard-Tualatin School District released the results of the voluntary radon testing that was completed in the spring. The purpose of this communication is to provide additional information about those test results and to update you about testing that was completed during the month of June.

During the first round of testing, radon detection devices were placed in more than 950 ground floor classrooms and occupied spaces throughout the district. During those initial tests, several Bridgeport devices were moved from their original locations and produced invalid results. Additionally, a testing device placed in the cafeteria (in the enclosed storage area under the stage where chairs are kept), produced an abnormally high reading

As a result, additional testing was conducted at Bridgeport. The results of those additional tests were released with the overall results reported for the school district. They showed NO rooms with radon amounts measuring at or above the 4.0 pCi/L action level established by the Environmental Protection Agency (EPA).

To confirm the follow-up test results, another round of testing with completed at Bridgeport in June. Again, the results of this round of testing showed NO rooms with radon amounts measuring at or above the 4.0 pCi/L action level established by the Environmental Protection Agency (EPA).

We are sharing this information to keep you informed about radon testing at Bridgeport and to let you know that we will be conducting a long-term test in the Bridgeport cafeteria to confirm the short-term results we received in the spring. The test will occur over 9 months during the 2016-17 school year.

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July 11, 2017

Mr. Philip Wentz, Facilities Manager
Tigard-Tualatin School District
6960 SW Sandburg Street
Tigard, OR 97223

VIA email to: *pwentz@ttsd.k12.or.us*

RE: Long-Term Radon Testing
Charles F. Tigard Elementary School
12850 SW Grant Avenue
Tigard, OR 97223

TRC Project: 256029

Mr. Wentz:

At your request, TRC Environmental Corporation (TRC) performed long-term radon in air testing at the Charles F. Tigard Elementary School located at 12850 SW Grant Avenue, in Tigard, Oregon.

Testing Procedures

Testing was performed under the guidance of TRC personnel certified as Radon Measurement Providers by the National Environmental Health Association (NEHA) National Radon Proficiency Program (NRPP). The long-term radon testing was performed between September 12, 2016 and June 12, 2017 in two locations within the cafeteria. Radon testing was conducted using the protocols recommended by the United States Environmental Protection Agency (EPA) and the Oregon Health Authority (OHA) as directed by ORS 332.166-167.

Long-term radon sampling was conducted using diffusion-based Alpha Track AT-100 radon monitoring devices. Two (2) sampling devices were placed in the Charles F. Tigard Elementary School cafeteria, located on the first floor. One device was placed at the cafeteria east wall and the second device was placed in the cafeteria to the right of the stage, both approximately six feet from the floor surface. The devices were installed for a period of nine months, over one school year. After retrieval from Charles F. Tigard Elementary School, the sampling devices were returned to Accustar Laboratories, in Medway, MA, under proper chain of custody. The samples were then analyzed using EPA Method 92-004.

Samples Collected, Results and Recommendations

TRC performed testing in the cafeteria in two locations. **The test results for both locations within the cafeteria had results between 0.7 and 0.8 picocuries per liter pCi/L of air. The results for both testing locations were below the EPA recommended action level of 4.0 pCi/L of air. Therefore, no further action is required at this time, however**

TRC supports the EPA suggestion that you test again in the future to ensure that radon levels remain below the action level. The laboratory analytical data is provided in Appendix A.

TRC appreciates the opportunity to provide you with environmental consulting services. We look forward to working with you on future endeavors. If you have any questions or comments concerning this report, please call TRC at (503) 387-3251.

Sincerely,
TRC Environmental Corporation

Victoria Shepersky, MICP, IAQCP
Senior Industrial Hygienist

Ron Landolt
NW Region BSI Practice Leader

Attachment: Appendix A – Laboratory Results

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July 11, 2017

Mr. Philip Wentz, Facilities Manager
Tigard-Tualatin School District
6960 SW Sandburg Street
Tigard, OR 97223

VIA email to: *pwentz@ttsd.k12.or.us*

RE: Long-Term Radon Testing
Bridgeport Elementary School
5505 SW Borland Road
Tualatin, OR 97062

TRC Project: 256029

Mr. Wentz:

At your request, TRC Environmental Corporation (TRC) performed long-term radon in air testing at the Bridgeport Elementary School located at 5505 SW Borland Road, in Tualatin, Oregon.

Testing Procedures
Testing was performed under the guidance of TRC personnel certified as Radon Measurement Providers by the National Environmental Health Association (NEHA) National Radon Proficiency Program (NRPP). The long-term radon testing was performed between September 12, 2016 and June 12, 2017 in two locations within the cafeteria. Radon testing was conducted using the protocols recommended by the United States Environmental Protection Agency (EPA) and the Oregon Health Authority (OHA) as directed by ORS 332.166-167.

Long-term radon sampling was conducted using diffusion-based Alpha Track AT-100 radon monitoring devices. Two (2) sampling devices were placed in the Bridgeport Elementary School cafeteria, located on the first floor. One device was placed at the cafeteria wall to the left of the stage and the second device was placed at the cafeteria wall to the right of the stage, both approximately six feet from the floor surface. The devices were installed for a period of nine months, over one school year. After retrieval from Bridgeport Elementary School, the sampling devices were returned to Accustar Laboratories, in Medway, MA, under proper chain of custody. The samples were then analyzed using EPA Method 92-004.

Samples Collected, Results and Recommendations
TRC performed testing in the cafeteria in two locations. **The test results for both locations within the cafeteria had results of 1.6 picocuries per liter pCi/L of air. The results for both testing locations were below the EPA recommended action level of 4.0 pCi/L of air. Therefore, no further action is required at this time, however TRC**

supports the EPA suggestion that you test again in the future to ensure that radon levels remain below the action level. The laboratory analytical data is provided in Appendix A.

TRC appreciates the opportunity to provide you with environmental consulting services. We look forward to working with you on future endeavors. If you have any questions or comments concerning this report, please call TRC at (503) 387-3251.

Sincerely,
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Victoria Shepersky, MICP, IAQCP
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Attachment: Appendix A – Laboratory Results