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Radon Survey Analysis Job # 17-C142L_R1

for

David Douglas School District
South Powellhurst School

c/o David Callaway

property located at
2900 SE 122nd Ave,
Portland, OR 97236

December 7, 2018



**STATE OF OREGON
CERTIFIED
EMERGING SMALL BUSINESS**

Introduction

The following report documents a study of radon levels for the property located at 2900 SE 122nd Ave, Portland, OR 97236. The goal of this study is to determine indoor radon levels in the select location in contact with the ground listed below. Testing was performed per Oregon Health Authority School testing protocols, and EPA School testing protocols.

Analysis assumes that the buildings tested were maintained under “closed-building” conditions (windows closed and exterior doors shut immediately after entering and exiting), as well as normal indoor temperatures, for the duration of the testing period. The H-VAC system for the building was set to occupied settings for the entirety of the testing period.

Conclusions and Recommendations

Test was a “Short-Term” test, with minimum duration of 96 hours. Results take into account the minimum USEPA Protocol Average of 44 hours. Note that one (1) of 4 locations tested had results Above the EPA Action Level of 4.0 pCi/L.

It is recommended that a certified radon mitigation company be contacted to mitigate the elevated radon level bringing them below the EPA Action Level. While the EPA recommends buildings be fixed if the radon level is 4.0 pCi/L or more, because there is no known safe level of exposure to radon, EPA also suggests individuals consider fixing their buildings for radon levels between 2.0 pCi/L and 4.0 pCi/L.

The concentration of radon gas in indoor air can vary widely. It may fluctuate from day to day, week to week, and season to season. Indoor radon levels may be affected by barometric pressure, high winds, rain-soaked ground, snow cover, heating and A/C systems, house construction, open windows, and the like. For further confirmation of average, long-term radon levels, it is suggested a long-term, Alpha-Track type radon test be performed.

NOTE: It is recommended that a certified radon mitigation company be contacted to evaluate the areas which are elevated to determine appropriate mitigation action to bring them below the USEPA Action Level. It is recommended that certified mitigated areas be retested every two years to reassure that the areas are maintained below the USEPA Action Level.

Radon Level Measurements

Measurements of radon levels were made in the basement rooms 210, 216, 217, and 220. The building was assumed occupied during testing.

The measurement technique used 4 RadStar RS800 continuous electronic monitors: (2115, 1706, 2163, 2296)

Test End: 10:42AM, 12/7/2018

Monitor ID 2115 - Room # 210

Average radon reading for duration of test = 7.5 pCi/L

Highest level recorded: 13.0 pCi/L

Lowest level recorded: 2.8 pCi/L

Monitor ID 1706 - Room # 216

Average radon reading for duration of test = 3.9 pCi/L

Highest level recorded: 6.2 pCi/L

Lowest level recorded: 2.7 pCi/L

Monitor ID 2163 - Room # 217

Average radon reading for duration of test = 3.0 pCi/L

Highest level recorded: 6.8 pCi/L

Lowest level recorded: 0.9 pCi/L

Monitor ID 2296 - Room # 220

Average radon reading for duration of test = 3.8 pCi/L

Highest level recorded: 9.1 pCi/L

Lowest level recorded: 1.1 pCi/L

Key:

pCi/L: Picocuries per liter – units of radon concentration.

Average (Avg): Cumulative average of the entire period since the test started.

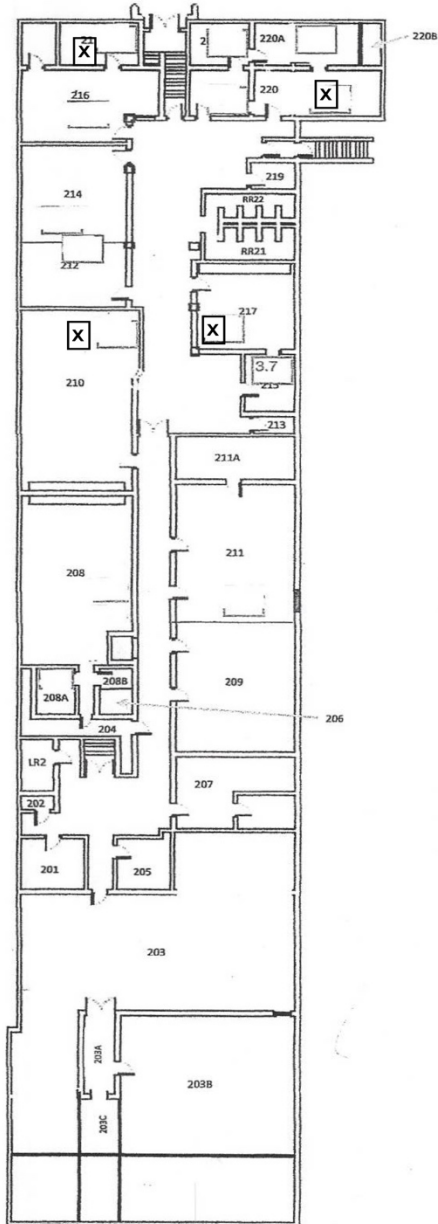
Please contact me if you have any questions.

Thank you,

Danielle Weir
NRPP 108953 RT

Test Location Map

DDSD
SOUTH POWELLHURST SCHOOL



Test Results Map

DDSD
SOUTH POWELLHURST SCHOOL

