



May 1, 2020

David Callaway
David Douglas School District
11300 NE Halsey Street
Portland, Oregon 97220

Via email: david_callaway@ddsd40.org

Regarding: Long-Term Radon Testing
Ron Russell Middle School Gymnasium
3955 SE 112th Ave
Portland, Oregon
PBS Project 23179.076

Dear Mr. Callaway:

Between November 12, 2019 and April 22, 2020, PBS Engineering and Environmental Inc. (PBS) performed long-term radon testing in the gymnasium at Ron Russell Middle School in Portland, Oregon.

Two detectors were placed in the gymnasium. The detector near the southeast corner of the gym showed an average long-term radon concentration of 3.7 picocuries per liter (pCi/L) of air. The detector on the west wall of the gym showed an average long-term radon concentration of 3.3 pCi/L.

The Environmental Protection Agency (EPA) and Oregon Health Authority (OHA) recommend that indoor radon concentrations be maintained below 4.0 pCi/L of air. The long-term tests were conducted after initial short-term testing, completed in December 2018, and a long-term test, completed in May 2019, showed radon concentrations above 4.0 pCi/L in the gym. The long-term testing was completed after adjustments were made to the building's HVAC system.

Please feel free to contact me at 503.935.5484 or dale.voeller@pbsusa.com with any questions or comments.

Sincerely,

Dale Voeller, CHMM, CSP
Senior Project Manager

Attachment: RSSI Analysis Report




6312 West Oakton Street
 Morton Grove, IL 60053-2723
 847-965-1999
 Fax 847-965-1991

April 30, 2020

PBS Engineering & Environmental
 Dale Voeller
 4412 SW Corbett Avenue
 Portland, Oregon 97239
 USA

Alpha Track Radon Test Results

Detector Number	pCi/L	Test Location	Test Address	Start Date	End Date	Note*
605596	3.7 ± 3%	Gym, SE Wall	Ron Russell Middle School 3955 SE 112th Avenue Portland, Oregon 97266	11/12/2019	4/22/2020	
605597	3.3 ± 3%	Gym, West Wall	Ron Russell Middle School 3955 SE 112th Avenue Portland, Oregon 97266	11/12/2019	4/22/2020	

Analyzed By:  04/30/ 2020
 Elektra Musich
 Radon Analyst
 Analysis Date

END REPORT

* 1-Broken Seal, 2-Damaged Filter, 3-Loose Test Material, 4-Missing Test Material, 5-Missing End Date, 6-Missing Start Date, 7-Less Than 8 Days, 8-Past Expiration Date, 9-Missing Both Dates, NA-No applicable notes

Analytical results showing the radon concentration relate only to the device(s) tested in the condition as received by RSSI. Results were calculated based on information provided by the client.

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