

June 14, 2016

Joel McCarthy
EHS Coordinator
Portland Public Schools
501 N Dixon Street
Portland, OR 97227

Via email: jmccarthy@pps.net

Re: Continuous Radon Monitor Measurement Report
Six Schools; Nine Locations
Portland, Oregon
PBS Project No. 06500.657 Phase 0001

Dear Mr. McCarthy:

From June 6 to June 10, 2016, PBS Engineering and Environmental Inc. (PBS) conducted continuous radon monitor (CRM) measurements at six Portland Public Schools (PPS) sites in nine unique locations. These measurements were performed at the request of PPS in response to elevated radon levels identified during previous short term radon monitoring.

Locations tested are identified in the table below:

Site	Building	Room
Beaumont	Gym	20A
Lent	Portables	P2 (old Industrial Arts)
Marysville	Main	108 (Library)
Meek (Alliance High School)	Main	Cafeteria
Roseway Heights	Main	187
Whitman	Main	15
Whitman	Main	23
Whitman	Main	Gym
Whitman	Main	Kitchen

This testing was performed with femto-TECH CRM-510LP continuous radon monitors, EPA and Industry approved testing devices. CRM monitors were placed on desk or table tops in rooms identified for testing. Devices were placed on the afternoon of June 6, 2016, and collected the morning of June 10, 2016. The devices recorded radon, tilts (an anti-tampering indication), relative humidity, barometric pressure, and temperature data for 88 to 90 hours. Closed building conditions were not verified during the course of this testing.

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Below is a summary of the radon data collected at the nine locations:

Test Location	Start Time	Stop Time	Total Time	Average Radon Concentration (pCi/L = picocuries per liter)
Beaumont – 20A	6/6/2016 4:17:00 PM	6/10/2016 8:17:00 AM	88 Hours	2.8 pCi/l
Lent – P2	6/6/2016 4:01:00 PM	6/10/2016 9:01:00 AM	89 Hours	0.8 pCi/l
Marysville – 108	6/6/2016 3:27:00 PM	6/10/2016 9:27:00 AM	90 Hours	3.4 pCi/l
Meek – Cafeteria	6/6/2016 4:01:00 PM	6/10/2016 8:01:00 AM	88 Hours	11.9 pCi/l
Roseway Heights – 187	6/6/2016 3:23:00 PM	6/10/2016 9:23:00 AM	90 Hours	0.7 pCi/l
Whitman - 15	6/6/2016 4:45:00 PM	6/10/2016 9:45:00 AM	89 Hours	0.6 pCi/l
Whitman – 23	6/6/2016 4:41:00 PM	6/10/2016 9:41:00 AM	89 Hours	0.9 pCi/l
Whitman – Gym	6/6/2016 4:36:00 PM	6/10/2016 9:36:00 AM	89 Hours	0.2 pCi/l
Whitman - Kitchen	6/6/2016 4:28:00 PM	6/10/2016 10:28:00 AM	90 Hours	0.2 pCi/l

For more detail, please refer to the attached Detailed Hourly Technical Report and Report Graphing for each test location.

Please feel free to contact me at 503.417.7694 or chris.boyce@pbsenv.com with any questions or comments.

Sincerely,
PBS Engineering and Environmental Inc.

Chris Boyce
Project Manager

Attachments: Detailed Hourly Technical Report (x9)
Report Graphing (x9)
fermto-TECH Laboratories CRM Certification of Calibration (x9)

CB::bmp