

Port Orford-Langlois School District 2CJ Healthy and Safe Facilities Plan
45525 Highway 101
Sixes, OR 97476
Steve Perkins, Superintendent

This plan is being submitted in compliance with ORS 332.166-167, and OAR 581-022-2223 requiring Oregon school districts to develop a Healthy and Safe Facilities Plan for all buildings owned, leased, or otherwise used as a school building by the school district.

The Port Orford School District Facilities Manager under the direction of the Superintendent will be responsible for maintaining and implementing the health and safety plan.

District building sites and locations

Driftwood Elementary
Pacific High School

1202 Oregon St., Port Orford, OR 97465
45525 Hwy 101, Sixes, OR 97476

OVERVIEW OF THE HEALTHY AND SAFE FACILITIES PLAN

The Port Orford-Langlois School District Healthy and Safe Facilities Plan includes components for:

- testing of radon;
- testing for exposure to lead in drinking water, paint, dirt and dust;
- integrated pest management
- communication
- improving indoor air quality;
- testing, monitoring and improving ambient air quality; and
- reducing exposure to toxics from hazardous waste sites.

COMMUNICATION

Reporting of test results of all components will be made available to students, families, and the community as quickly as possible. The district will make all test results and detailed information explaining the test results available to the public within five business days of receiving the results. Results will be made available by posting the results on the district website (www.2cj.com), posting on our district Facebook page and making the results available in hard copy at the administration office.

RADON TESTING

Radon Testing in schools of the Port Orford School District, plan to be submitted by Sept. 1, 2016, testing to be completed by Jan 1, 2021.

Testing of rooms on the ground-contact floor or above unoccupied basements or crawlspaces is sufficient to determine if radon is a problem.

- All frequently occupied rooms at a site shall be tested at the same time.

- Passive radon measurement devices (test kits) are recommended for school district testing, and as such will be the test kits used by the Port Orford School District.
- Initial measurements will be conducted using short-term passive measurement devices. All test kits will be ordered at the same time and from the same manufacturer and should be from the same manufacturing batch.
- Short term test kits shall be placed during colder months (October through March, depending on the geographical location).
- A minimum of one detector for every 2,000 square feet of open floor space or portion thereof is required.
- Measurement devices for subsequent testing will be determined by the initial measurement results.
- Follow up measurements will be performed in every room where the initial test result is 4 pCi/L or greater.

Quality Assurance Procedures for radon measurement

To ensure the radon measurement results, in addition to the detector test kits, the district will include duplicates, blanks and spike test kits.

- Duplicate test kits will be equivalent to 10 percent of the rooms to be tested at an individual site.
- Blank tests kits will be equivalent to 5 percent of the rooms to be tested at an individual site.
- Spike kits will be equivalent to 3 percent of the rooms to be tested at an individual site.
- EACH building site will have in place, a minimum of one duplicate and one blank.

Rooms to be tested

Rooms to be tested for radon levels are those frequently occupied rooms in contact with the soil, whether the contact is slab-on-grade, a basement or a room above a crawlspace or any combination.

Identification of rooms

Each individual school site will have a floor plan of the school. All rooms in the building floor plan will be individually labeled. The floor plan will be used to identify the frequently occupied rooms. The floor plan can be used to guide the planning of a radon testing effort as well as the actual testing itself.

Examples of occupied rooms to be tested include offices, classrooms, computer rooms, conference rooms, gyms, auditoriums, cafeterias, and staff rooms. Rooms not requiring testing are storage rooms, bathrooms, stairways, hallways and elevator shafts.

Specifics of Radon testing.

The Port Orford-Langlois School District will follow the suggested guidelines of the model plan of the Oregon Health Authority for radon testing Version 1.0 - 2016. See Appendix A.

LEAD TESTING

DRINKING WATER

The Port Orford-Langlois School District relies on the City of Port Orford’s municipal water. During the summer of 2016 the Port Orford-Langlois School District will test drinking water for lead.

Identify potential sources of lead

The Port Orford-Langlois School District will test all taps used for drinking or food preparation on school property to identify any lead problems.

- Follow the [Environmental Protection Agency's 3 Ts Revised Technical Guidance](#) to ensure that samples for lead are collected properly and from the right places.
- Umpqua Research, an [OHA-accredited drinking water laboratory](#) will be used to analyze samples for lead.

Stop Access

Prevent access to water taps that have more than 20 parts per billion (ppb) of lead. This will include shutting off taps, covering water fountains, and providing bottled water to students and staff members.

Mitigate and correct

Replace the sources of lead in building plumbing. Reference will be made to the EPA 3Ts Guidance.

Lead in Paint, Dirt and Dust

Schools built before 1978, could have lead paint hiding beneath newer paint jobs. The Port Orford-Langlois School District will take steps to reduce the potential to lead exposure by:

- Examining interior walls and surfaces to see if the paint is cracking, chipping or peeling and check for area on doors and windows where painted surfaces rub together.
- Repairing any chips or cracks as soon as they appear to ensure that lead from the old paint doesn't spread;
- During painting job heavy plastic sheets or other barriers will be placed to keep dust from spreading;
- Checking exterior paint for flaking and ensure it is not contaminating nearby soil where children may play.
- Checking large outdoor structures for peeling or flaking paint that could contaminate the soil around the play area.
- Buildings will be cleaned frequently to reduce the likelihood of the buildup of lead contaminated dust;
- If renovation is being done, personnel performing the renovation must be properly certified.

Have staff ensure that children wash their hands thoroughly after playing outside and before eating.

INTEGRATED PEST MANAGEMENT

The district has adopted in integrated pest management plan as required by OR 634.700 through 634.750. Community members can access a copy of the IPM plan at www.2cj.com under facilities and maintenance.

INDOOR AIR QUALITY

Procedures and steps to improve the quality of the indoor air in facilities of the Port Orford-Langlois School District may include:

- using environmentally friendly cleaning materials and chemicals as much as possible in daily cleaning;
- keeping rooms ventilated and clean;
- inspecting gas burning appliances, water heaters, boilers, furnaces to ensure proper operation;
- animal housing must be kept in a clean, sanitary condition, free of odor. Animals in the classroom must comply with district policy;
- routine inspection of heating, ventilation and air conditioning systems will take place, including examining unit ventilators; local exhaust, fresh air intakes and flooring.
- buildings will inspected regularly for condensation and wet spots, leaky plumbing and roof leaks will be repaired as soon as possible.

AMBIENT AIR QUALITY

Ambient air quality refers to the quality of outdoor air in our surrounding environment. To facilitate the improvement of the ambient air quality, the Port Orford-Langlois School District will:

- enforce a no-idling practice of district transportation buses;
- parent pickup/dropoff locations are located as much as possible away from the school's ventilation intake;
- use of pesticides and insecticides are limited as per the district's integrated pest management plan; and
- enforce a tobacco-free environment.

TOXIC EXPOSURE TO HAZARDOUS WASTE SITES

As per policy of the Port Orford-Langlois School District all hazardous chemical containers will be labeled, such labeling will include:

- 1) contents clearly labeled;
- 2) appropriate hazard warnings;
- 3) the name and address of the manufacturer;
- 4) copies of GHSes for all hazardous chemicals to which district employees may be exposed will be available (online copies are readily available from the district website link).

Regular disposal of chemicals that are outdated, not properly labeled or unnecessary will be conducted as per disposal recommendations by the manufacturer.

Any chemicals stored in inappropriate, leaking, corroded or cracked containers will be disposed of.

Appendix A : Step-by-step guide for planning radon testing

1. Identify rooms to be tested

ORS 332.166-167 specifies that “at a minimum, any frequently occupied room in contact with the ground or located above a basement or a crawlspace” should be tested.

Examples of such rooms include offices, classrooms, computer rooms, conference rooms, gyms, auditoriums, cafeterias and break rooms. This does not mean storage rooms, bathrooms, stairways, hallways, kitchens or elevator shafts.

Staff should procure a copy of the schools’ emergency escape map. It can be used as the floor plan, since it usually provides the most accurate and up-to-date information. The map can be used to identify the frequently occupied rooms at a particular school site. As discussed below, that map can also be used to indicate which test kit types will go in which room.

Make sure all rooms in the building floor plan are individually labeled; create labels for them if they are not.

2. Determine the number of test kits needed.

- a) Count all frequently occupied rooms, as defined in ORS 332.166-167.

At the end of section 2a) you should have a rough list of rooms that need to be tested.

_____14_____ Number of rooms

- b) Determine if any of the rooms selected are larger than 2,000 square feet.

If YES, how many? 1

Determine the number of test (detector) kits needed to test the entire school site:

_____14_____ (Total number of rooms after section 2a)

_____1_____ (Number of rooms over 2,000 square feet)

_____0_____ (Number of rooms over 4,000 square feet)

_____0_____ (Number of rooms over 6,000 square feet)

TOTAL _____16_____ (Number of detector kits needed to test the school site)

3. Determine the number of quality control measurements needed

- a) Determine the number of **DUPLICATE** measurements that need to be deployed during measurement. Rooms need to be tested x 0.10 (10%) = _____.
(Note: Round up to the next whole number. Remember, a minimum of one duplicate kit per building.)

- b) Determine the number of **BLANK** measurements that need to be deployed during measurement. Rooms to be tested x 0.05 (5%) = _____.
(Note: Round up to the next whole number. Remember, a minimum of one blank kit per building.)

- c) Determine the number of **SPIKE** measurements that need to be deployed during measurement. Rooms to be tested x 0.03 (3%) = _____.

4. Determine total number of test kits needed to perform all required tasks.

_____ Number of detector kits determined in Section 2.
_____ Number of **DUPLICATE** kits determined in Section 2.
_____ Number of **BLANK** kits determined in Section 2.
_____ Number of **SPIKE** kits determined in Section 2.
TOTAL _____ Number of detector kits determined in Section 2.

5. Use a “Test Kit Location Floor Plan” to create a “Test Kit Placement Log(s).”

The school radon measurement teams can use a template of the school’s emergency escape plan to decide in which rooms the different types of test kits (detectors, blanks and duplicates) will be placed. These documents will guide the planning of a radon testing effort as well as the actual testing itself.

The school floor plan is used to create “Test Kit Placement Log(s) for the school, which indicates where the detectors, duplicates and blanks are to be placed when initial testing of the school for elevated radon begins.

Important: Because each building on a school site should have a minimum of one detector, one duplicate and one blank, a separate “Test Kit Placement Log” should be created for each building on the school site.

The log created for a school will be used for both planning the placement of test kits and recording data when testing of the school actually takes place.

Directions: Using a school’s Test Kit Location Floor Plan,” indicate in the log’s room description column the rooms that will have Detector (D), Blank and Duplicate test kits. These rooms should be selected following the guidance of Appendix A – Identify rooms to be tested and the Quality assurance procedures (pgs. 2) for a school radon measurement program.

Sample Test Kit Placement Log:

Name and physical address of school being tested: Driftwood Elementary
1202 Oregon St.
Port Orford, OR

Building: Driftwood Elementary Log page: 1 of 2 for school.

Radon testing contact at school: Facilities Manager - Chad Berry

Name of individuals performing testing: Chad Berry

_____ (Logger):

_____ (Placer of Test kits)

Room Description (per floor plan)	Canister serial #	Date opened	Time opened	Date Closed	Time Closed	Type of Test D=Detector kit
Cafeteria						
Room 2						
Room 3						
Room 4						
Room 5						
Room 6						
Room 7						
Room 8						
Room 9						
Room 10						
Room 11						
Room 12						
Room 13						
Play Shed						

Sample Test Kit Location Floor Plan:

Name and physical address of school being tested: Driftwood Elementary
1202 Oregon St.
Port Orford, OR 97465

Radon testing contact at school: Chad Berry, Facilities Manager

Cafeteria - D	Room 10 - D
Room 2 - D	Room -9 - Duplicate
Room 3 - D	Room 8 - D
Room 4 - Blank	Room 7 - D
Room 5 - D	Room 6 - D

Room 11 -	Room 12 -	Room 13 -	Play Shed -	
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Directions: Using a school’s Test Kit Location Floor Plan,” indicate in the log’s room description column the rooms that will have Detector (D), Blank and Duplicate test kits. These rooms should be selected following the guidance of Appendix A – Identify rooms to be tested and the Quality assurance procedures (pgs. 2) for a school radon measurement program.

Sample Test Kit Placement Log:

Name and physical address of school being tested: Pacific High School
45525 Hwy 101
Sixes, OR 97476

Building: Pacific High School Log page: 1 of 2 for school.

Radon testing contact at school: Facilities Manager - Chad Berry

Name of individuals performing testing: Chad Berry

_____ (Logger):

_____ (Placer of Test kits)

Room Description (per floor plan)	Canister serial #	Date opened	Time opened	Date Closed	Time Closed	Type of Test D=Detector kit
Cafeteria						
Room 2						
Room 3						
Room 4						
Room 5						
Room 6						
Room 7						
Room 8						
Room 9						
Room 10						
Room 11						
Room 12						
Room 13						
Play Shed						

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Name and physical address of school being tested: Pacific High School
1202 Oregon St.
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Radon testing contact at school:

Chad Berry, Facilities Manager

Cafeteria - D	Room 10 - D
Room 2 - D	Room -9 - Duplicate
Room 3 - D	Room 8 - D
Room 4 - Blank	Room 7 - D
Room 5 - D	Room 6 - D

Room 11 -	Room 12 -	Room 13 -	Play Shed -	
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