

# Radon Testing Results - Phoenix Charter School

## Action Level is 4.0 pCi/L

Site Name	Building Name	Room Description (per floor plan)	Kit serial #	Date sampled	Type of test	Results (pCi/L)
Phoenix Charter School	Main Building	Ground Floor Multipurpose Room 1	AE854028	2/28/2020	Detector kit	<0.5
Phoenix Charter School	Main Building	Ground Floor Multipurpose Room 2	AE853984	2/28/2020	Detector kit	<0.5
Phoenix Charter School	Main Building	Ground Floor Classroom (Sean)	AE853991	2/28/2020	Detector kit	<0.6
Phoenix Charter School	Main Building	Ground Floor Classroom (Tawnie)	AE854035	2/28/2020	Detector kit	<0.6
Phoenix Charter School	Main Building	Ground Floor Classroom (Melanie)	AE854040	2/28/2020	Detector kit	<0.6
Phoenix Charter School	Main Building	Ground Floor Classroom (Sam)	AE854049	2/28/2020	Detector kit	<0.8
Phoenix Charter School	Main Building	Ground Floor Classroom (Tammy)	AE854055	2/28/2020	Detector kit	<0.4
Phoenix Charter School	Main Building	Ground Floor Classroom (OYCC 1)	AE854225	2/28/2020	Detector kit	<0.6
Phoenix Charter School	Main Building	Ground Floor Classroom (OYC 2)	AE854079	2/28/2020	Detector kit	<0.4



### Report & Sample Dates

DATE RECEIVED: 3/3/2020  
REPORT DATE: 3/3/2020

### Laboratory Certification Info

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

### YOUR RADON TEST RESULTS:

RADON LEVEL: **<0.5 pCi/L \***  
TEST KIT SERIAL #: **AE854028**  
LAB ID: 2122449

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Multi Purpose Rm  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:16 AM 02/26/2020  
TEST END: 08:49 AM 02/28/2020  
EXPOSURE: 48.55 Hours

### RADON HEALTH RISK INFORMATION:

Radon is the second leading cause of lung cancer, after smoking. The more elevated a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk.

Radon concentration is measured in picocuries per liter of air (pCi/L). The US Environmental Protection Agency and the Surgeon General strongly recommend taking further action when the home's radon test results are 4 pCi/L or greater. Even homes with very high levels can be reduced below 4 pCi/L. The EPA recommends that you use a NRPP/NRSB or state-approved contractor to correct radon problems. Radon levels less than 4 pCi/L still pose some risk and in many cases may be reduced. If the radon level in your home is between 2 pCi/L and 4 pCi/L, The US Environmental Protection Agency and the Surgeon General recommend that you consider correcting the problem in your home.

QA/QC - Short Term Radon Tests have an estimated accuracy of ±5% when used according to directions.

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CONFIDENTIALITY: This report is confidential. If you receive the report in error, please inform the lab and destroy all copies.

\*The measured radon level was lower than the detector's Lower Limit of Detection. Visit [DrHomeAir.com/LLD](http://DrHomeAir.com/LLD) for info

Measurement Specialist / Laboratory Director

Date 3/3/2020

### IF YOU HAVE QUESTIONS ABOUT WHAT YOUR RESULTS MEAN:

EPA National Hotline: (800) 557-2366, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

### IF YOU HAVE QUESTIONS ABOUT HOW TO FIX A RADON PROBLEM:

Radon Fix-it Hotline: (800) 644-6999, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

# WHAT DO MY TEST RESULTS MEAN?

If your test result is **below 2 pCi/L** you do not need to take further action at this time. The EPA recommends you retest every few years, and whenever you renovate the home.

If your test result is **between 2 pCi/L and 4 pCi/L** you should monitor your home. Your home is above the indoor average of 1.3 pCi/L. You can consider retesting now, or you can wait. However, The EPA recommends testing every 2 years to confirm your radon levels are not rising.

If your radon level is **4 pCi/L or greater** you should take further action. If this is your first test, The EPA recommends you conduct another test to confirm your initial reading. If you have tested multiple times and the average of those tests is above 4 pCi/L, you should fix your home.

## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
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0.4 pCi/L		(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be higher

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

## WHAT DO I DO NEXT?

Type of Test	# of Times Tested	Test Result	What do I do next?	What test do I use? (If retesting)
Short Term (2-4 days)	1	<2 pCi/L	Retest every 2-3 years	Short Term
	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

If your radon level is at or above 4 pCi/L, you should fix your home. If your radon level is between 2 pCi/L and 4 pCi/L, you may wish to fix your home. For most homes, radon levels can be lowered to 2 pCi/L or lower.

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J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

### YOUR RADON TEST RESULTS:

RADON LEVEL: **<0.5 pCi/L \***  
TEST KIT SERIAL #: **AE853984**  
LAB ID: 2122446

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Multi Purpose Rm Dry Storage  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:16 AM 02/26/2020  
TEST END: 08:49 AM 02/28/2020  
EXPOSURE: 48.55 Hours

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Measurement Specialist / Laboratory Director

Date 3/3/2020

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## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
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## WHAT DO I DO NEXT?

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	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

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**Laboratory Certification Info**

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

**YOUR RADON TEST RESULTS:**

RADON LEVEL: **<0.6 pCi/L \***  
TEST KIT SERIAL #: **AE853991**  
LAB ID: 2122452

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Sean Ged  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:19 AM 02/26/2020  
TEST END: 08:52 AM 02/28/2020  
EXPOSURE: 48.55 Hours

### RADON HEALTH RISK INFORMATION:

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Measurement Specialist / Laboratory Director

Date 3/3/2020

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## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

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100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
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761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

### YOUR RADON TEST RESULTS:

RADON LEVEL: **<0.6 pCi/L \***  
TEST KIT SERIAL #: **AE854035**  
LAB ID: 2122448

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Tawnie  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:25 AM 02/26/2020  
TEST END: 08:57 AM 02/28/2020  
EXPOSURE: 48.53 Hours

### RADON HEALTH RISK INFORMATION:

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If your test result is **between 2 pCi/L and 4 pCi/L** you should monitor your home. Your home is above the indoor average of 1.3 pCi/L. You can consider retesting now, or you can wait. However, The EPA recommends testing every 2 years to confirm your radon levels are not rising.

If your radon level is **4 pCi/L or greater** you should take further action. If this is your first test, The EPA recommends you conduct another test to confirm your initial reading. If you have tested multiple times and the average of those tests is above 4 pCi/L, you should fix your home.

## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 120 people could get lung cancer	30 times the risk of dying from poison	Fix your home
20 pCi/L	About 36 people could get lung cancer	35 times the risk of drowning	Fix your home
10 pCi/L	About 18 people could get lung cancer	20 times the risk of dying in a fire	Fix your home
4 pCi/L	About 7 people could get lung cancer	The risk of dying in a car crash	Fix your home
2 pCi/L	About 4 people could get lung cancer	The risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 2 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L		(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be higher

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

## WHAT DO I DO NEXT?

Type of Test	# of Times Tested	Test Result	What do I do next?	What test do I use? (If retesting)
Short Term (2-4 days)	1	<2 pCi/L	Retest every 2-3 years	Short Term
	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

If your radon level is at or above 4 pCi/L, you should fix your home. If your radon level is between 2 pCi/L and 4 pCi/L, you may wish to fix your home. For most homes, radon levels can be lowered to 2 pCi/L or lower.

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Visit your local National Radon Defense dealer website at:

[\*\*terrafirmas.com\*\*](http://terrafirmas.com)



**Report & Sample Dates**

DATE RECEIVED: 3/3/2020  
REPORT DATE: 3/3/2020

**Laboratory Certification Info**

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

**YOUR RADON TEST RESULTS:**

RADON LEVEL: **<0.6 pCi/L \***  
TEST KIT SERIAL #: **AE854040**  
LAB ID: 2122445

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Melanie  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:27 AM 02/26/2020  
TEST END: 08:58 AM 02/28/2020  
EXPOSURE: 48.52 Hours

### RADON HEALTH RISK INFORMATION:

Radon is the second leading cause of lung cancer, after smoking. The more elevated a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk.

Radon concentration is measured in picocuries per liter of air (pCi/L). The US Environmental Protection Agency and the Surgeon General strongly recommend taking further action when the home's radon test results are 4 pCi/L or greater. Even homes with very high levels can be reduced below 4 pCi/L. The EPA recommends that you use a NRPP/NRSB or state-approved contractor to correct radon problems. Radon levels less than 4 pCi/L still pose some risk and in many cases may be reduced. If the radon level in your home is between 2 pCi/L and 4 pCi/L, The US Environmental Protection Agency and the Surgeon General recommend that you consider correcting the problem in your home.

QA/QC - Short Term Radon Tests have an estimated accuracy of ±5% when used according to directions.

DISCLAIMER: Test results are only indicative of the sample as received by the lab. Incorrect information or improper procedures will affect results. Alpha Energy Labs did not provide sampling services unless otherwise indicated. This measurement is not necessarily predictive or supportive of measurements conducted at different times or different locations. Alpha Energy Labs is not responsible for the consequences of any action you do or do not take based on the test results. One sampler can test up to 2,000 square feet.

CONFIDENTIALITY: This report is confidential. If you receive the report in error, please inform the lab and destroy all copies.

\*The measured radon level was lower than the detector's Lower Limit of Detection. Visit [DrHomeAir.com/LLD](http://DrHomeAir.com/LLD) for info

Measurement Specialist / Laboratory Director

Date 3/3/2020

**IF YOU HAVE QUESTIONS ABOUT WHAT YOUR RESULTS MEAN:**

EPA National Hotline: (800) 557-2366, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

**IF YOU HAVE QUESTIONS ABOUT HOW TO FIX A RADON PROBLEM:**

Radon Fix-it Hotline: (800) 644-6999, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

# WHAT DO MY TEST RESULTS MEAN?

If your test result is **below 2 pCi/L** you do not need to take further action at this time. The EPA recommends you retest every few years, and whenever you renovate the home.

If your test result is **between 2 pCi/L and 4 pCi/L** you should monitor your home. Your home is above the indoor average of 1.3 pCi/L. You can consider retesting now, or you can wait. However, The EPA recommends testing every 2 years to confirm your radon levels are not rising.

If your radon level is **4 pCi/L or greater** you should take further action. If this is your first test, The EPA recommends you conduct another test to confirm your initial reading. If you have tested multiple times and the average of those tests is above 4 pCi/L, you should fix your home.

## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 120 people could get lung cancer	30 times the risk of dying from poison	Fix your home
20 pCi/L	About 36 people could get lung cancer	35 times the risk of drowning	Fix your home
10 pCi/L	About 18 people could get lung cancer	20 times the risk of dying in a fire	Fix your home
4 pCi/L	About 7 people could get lung cancer	The risk of dying in a car crash	Fix your home
2 pCi/L	About 4 people could get lung cancer	The risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 2 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L		(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be higher

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

## WHAT DO I DO NEXT?

Type of Test	# of Times Tested	Test Result	What do I do next?	What test do I use? (If retesting)
Short Term (2-4 days)	1	<2 pCi/L	Retest every 2-3 years	Short Term
	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

If your radon level is at or above 4 pCi/L, you should fix your home. If your radon level is between 2 pCi/L and 4 pCi/L, you may wish to fix your home. For most homes, radon levels can be lowered to 2 pCi/L or lower.

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[terrafirmas.com](http://terrafirmas.com)





**Report & Sample Dates**

DATE RECEIVED: 3/3/2020  
REPORT DATE: 3/3/2020

**Laboratory Certification Info**

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

**YOUR RADON TEST RESULTS:**

RADON LEVEL: **<0.8 pCi/L \***  
TEST KIT SERIAL #: **AE854049**  
LAB ID: 2122451

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Sam  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:29 AM 02/26/2020  
TEST END: 08:59 AM 02/28/2020  
EXPOSURE: 48.5 Hours

### RADON HEALTH RISK INFORMATION:

Radon is the second leading cause of lung cancer, after smoking. The more elevated a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk.

Radon concentration is measured in picocuries per liter of air (pCi/L). The US Environmental Protection Agency and the Surgeon General strongly recommend taking further action when the home's radon test results are 4 pCi/L or greater. Even homes with very high levels can be reduced below 4 pCi/L. The EPA recommends that you use a NRPP/NRSB or state-approved contractor to correct radon problems. Radon levels less than 4 pCi/L still pose some risk and in many cases may be reduced. If the radon level in your home is between 2 pCi/L and 4 pCi/L, The US Environmental Protection Agency and the Surgeon General recommend that you consider correcting the problem in your home.

QA/QC - Short Term Radon Tests have an estimated accuracy of ±5% when used according to directions.

DISCLAIMER: Test results are only indicative of the sample as received by the lab. Incorrect information or improper procedures will affect results. Alpha Energy Labs did not provide sampling services unless otherwise indicated. This measurement is not necessarily predictive or supportive of measurements conducted at different times or different locations. Alpha Energy Labs is not responsible for the consequences of any action you do or do not take based on the test results. One sampler can test up to 2,000 square feet.

CONFIDENTIALITY: This report is confidential. If you receive the report in error, please inform the lab and destroy all copies.

\*The measured radon level was lower than the detector's Lower Limit of Detection. Visit [DrHomeAir.com/LLD](http://DrHomeAir.com/LLD) for info

Measurement Specialist / Laboratory Director

Date 3/3/2020

**IF YOU HAVE QUESTIONS ABOUT WHAT YOUR RESULTS MEAN:**

EPA National Hotline: (800) 557-2366, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

**IF YOU HAVE QUESTIONS ABOUT HOW TO FIX A RADON PROBLEM:**

Radon Fix-it Hotline: (800) 644-6999, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

# WHAT DO MY TEST RESULTS MEAN?

If your test result is **below 2 pCi/L** you do not need to take further action at this time. The EPA recommends you retest every few years, and whenever you renovate the home.

If your test result is **between 2 pCi/L and 4 pCi/L** you should monitor your home. Your home is above the indoor average of 1.3 pCi/L. You can consider retesting now, or you can wait. However, The EPA recommends testing every 2 years to confirm your radon levels are not rising.

If your radon level is **4 pCi/L or greater** you should take further action. If this is your first test, The EPA recommends you conduct another test to confirm your initial reading. If you have tested multiple times and the average of those tests is above 4 pCi/L, you should fix your home.

## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 120 people could get lung cancer	30 times the risk of dying from poison	Fix your home
20 pCi/L	About 36 people could get lung cancer	35 times the risk of drowning	Fix your home
10 pCi/L	About 18 people could get lung cancer	20 times the risk of dying in a fire	Fix your home
4 pCi/L	About 7 people could get lung cancer	The risk of dying in a car crash	Fix your home
2 pCi/L	About 4 people could get lung cancer	The risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 2 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L		(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be higher

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

## WHAT DO I DO NEXT?

Type of Test	# of Times Tested	Test Result	What do I do next?	What test do I use? (If retesting)
Short Term (2-4 days)	1	<2 pCi/L	Retest every 2-3 years	Short Term
	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

If your radon level is at or above 4 pCi/L, you should fix your home. If your radon level is between 2 pCi/L and 4 pCi/L, you may wish to fix your home. For most homes, radon levels can be lowered to 2 pCi/L or lower.

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### Report & Sample Dates

DATE RECEIVED: 3/3/2020  
REPORT DATE: 3/3/2020

### Laboratory Certification Info

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

### YOUR RADON TEST RESULTS:

RADON LEVEL: **<0.4 pCi/L \***  
TEST KIT SERIAL #: **AE854055**  
LAB ID: 2122450

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Tammy Science  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:21 AM 02/26/2020  
TEST END: 08:52 AM 02/28/2020  
EXPOSURE: 48.52 Hours

### RADON HEALTH RISK INFORMATION:

Radon is the second leading cause of lung cancer, after smoking. The more elevated a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk.

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QA/QC - Short Term Radon Tests have an estimated accuracy of ±5% when used according to directions.

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CONFIDENTIALITY: This report is confidential. If you receive the report in error, please inform the lab and destroy all copies.

\*The measured radon level was lower than the detector's Lower Limit of Detection. Visit [DrHomeAir.com/LLD](http://DrHomeAir.com/LLD) for info

Measurement Specialist / Laboratory Director

Date 3/3/2020

### IF YOU HAVE QUESTIONS ABOUT WHAT YOUR RESULTS MEAN:

EPA National Hotline: (800) 557-2366, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

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Radon Fix-it Hotline: (800) 644-6999, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

# WHAT DO MY TEST RESULTS MEAN?

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If your test result is **between 2 pCi/L and 4 pCi/L** you should monitor your home. Your home is above the indoor average of 1.3 pCi/L. You can consider retesting now, or you can wait. However, The EPA recommends testing every 2 years to confirm your radon levels are not rising.

If your radon level is **4 pCi/L or greater** you should take further action. If this is your first test, The EPA recommends you conduct another test to confirm your initial reading. If you have tested multiple times and the average of those tests is above 4 pCi/L, you should fix your home.

## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 120 people could get lung cancer	30 times the risk of dying from poison	Fix your home
20 pCi/L	About 36 people could get lung cancer	35 times the risk of drowning	Fix your home
10 pCi/L	About 18 people could get lung cancer	20 times the risk of dying in a fire	Fix your home
4 pCi/L	About 7 people could get lung cancer	The risk of dying in a car crash	Fix your home
2 pCi/L	About 4 people could get lung cancer	The risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 2 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L		(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be higher

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

## WHAT DO I DO NEXT?

Type of Test	# of Times Tested	Test Result	What do I do next?	What test do I use? (If retesting)
Short Term (2-4 days)	1	<2 pCi/L	Retest every 2-3 years	Short Term
	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

If your radon level is at or above 4 pCi/L, you should fix your home. If your radon level is between 2 pCi/L and 4 pCi/L, you may wish to fix your home. For most homes, radon levels can be lowered to 2 pCi/L or lower.

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### Report & Sample Dates

DATE RECEIVED: 3/3/2020  
REPORT DATE: 3/3/2020

### Laboratory Certification Info

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

### YOUR RADON TEST RESULTS:

RADON LEVEL: **<0.6 pCi/L \***  
TEST KIT SERIAL #: **AE854225**  
LAB ID: 2122453

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Eric Oycc  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:23 AM 02/26/2020  
TEST END: 08:55 AM 02/28/2020  
EXPOSURE: 48.53 Hours

### RADON HEALTH RISK INFORMATION:

Radon is the second leading cause of lung cancer, after smoking. The more elevated a home's radon level, the greater the health risk to you and your family. Smokers and former smokers are at especially high risk.

Radon concentration is measured in picocuries per liter of air (pCi/L). The US Environmental Protection Agency and the Surgeon General strongly recommend taking further action when the home's radon test results are 4 pCi/L or greater. Even homes with very high levels can be reduced below 4 pCi/L. The EPA recommends that you use a NRPP/NRSB or state-approved contractor to correct radon problems. Radon levels less than 4 pCi/L still pose some risk and in many cases may be reduced. If the radon level in your home is between 2 pCi/L and 4 pCi/L, The US Environmental Protection Agency and the Surgeon General recommend that you consider correcting the problem in your home.

QA/QC - Short Term Radon Tests have an estimated accuracy of ±5% when used according to directions.

DISCLAIMER: Test results are only indicative of the sample as received by the lab. Incorrect information or improper procedures will affect results. Alpha Energy Labs did not provide sampling services unless otherwise indicated. This measurement is not necessarily predictive or supportive of measurements conducted at different times or different locations. Alpha Energy Labs is not responsible for the consequences of any action you do or do not take based on the test results. One sampler can test up to 2,000 square feet.

CONFIDENTIALITY: This report is confidential. If you receive the report in error, please inform the lab and destroy all copies.

\*The measured radon level was lower than the detector's Lower Limit of Detection. Visit [DrHomeAir.com/LLD](http://DrHomeAir.com/LLD) for info

Measurement Specialist / Laboratory Director

Date 3/3/2020

### IF YOU HAVE QUESTIONS ABOUT WHAT YOUR RESULTS MEAN:

EPA National Hotline: (800) 557-2366, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

### IF YOU HAVE QUESTIONS ABOUT HOW TO FIX A RADON PROBLEM:

Radon Fix-it Hotline: (800) 644-6999, [epa.gov/radon](http://epa.gov/radon), or, call your State Radon Contact: (503) 945-5944

# WHAT DO MY TEST RESULTS MEAN?

If your test result is **below 2 pCi/L** you do not need to take further action at this time. The EPA recommends you retest every few years, and whenever you renovate the home.

If your test result is **between 2 pCi/L and 4 pCi/L** you should monitor your home. Your home is above the indoor average of 1.3 pCi/L. You can consider retesting now, or you can wait. However, The EPA recommends testing every 2 years to confirm your radon levels are not rising.

If your radon level is **4 pCi/L or greater** you should take further action. If this is your first test, The EPA recommends you conduct another test to confirm your initial reading. If you have tested multiple times and the average of those tests is above 4 pCi/L, you should fix your home.

## HOW DANGEROUS IS MY RADON LEVEL?

### RADON RISK IF YOU SMOKE

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 770 people could get lung cancer	110 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 380 people could get lung cancer	95 times the risk of dying from poison	Fix your home
20 pCi/L	About 260 people could get lung cancer	250 times the risk of drowning	Fix your home
10 pCi/L	About 150 people could get lung cancer	200 times the risk of dying in a fire	Fix your home
4 pCi/L	About 62 people could get lung cancer	5 times the risk of dying in a car crash	Fix your home
2 pCi/L	About 32 people could get lung cancer	6 times the risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 20 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L	About 3 people could get lung cancer	(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be lower

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)

### RADON RISK IF YOU HAVE NEVER SMOKED

Radon Level	If 1,000 people were exposed to this level over a lifetime	The risk of radon induced lung cancer compares to	What To Do Next?
100 pCi/L	About 440 people could get lung cancer	63 times the risk of dying in a car crash	Fix your home
40 pCi/L	About 120 people could get lung cancer	30 times the risk of dying from poison	Fix your home
20 pCi/L	About 36 people could get lung cancer	35 times the risk of drowning	Fix your home
10 pCi/L	About 18 people could get lung cancer	20 times the risk of dying in a fire	Fix your home
4 pCi/L	About 7 people could get lung cancer	The risk of dying in a car crash	Fix your home
2 pCi/L	About 4 people could get lung cancer	The risk of dying from poison	Consider fixing between 2 & 4 pCi/L
1.3 pCi/L	About 2 people could get lung cancer	(Average indoor radon level)	(Reducing below 1 pCi/L is difficult)
0.4 pCi/L		(Average outdoor radon level)	(Reducing below 1 pCi/L is difficult)

Note: If you are a former smoker your risk may be higher

Estimates are lifetime risk of lung cancer deaths from EPA Assessment of Risks from Radon in Homes (EPA 402-R-03-003)



## WHAT DO I DO NEXT?

Type of Test	# of Times Tested	Test Result	What do I do next?	What test do I use? (If retesting)
Short Term (2-4 days)	1	<2 pCi/L	Retest every 2-3 years	Short Term
	1	2-4 pCi/L	Consider Retesting Now	Long Term or Short Term
	1	4-8 pCi/L	Retest Now	Long Term or Short Term
	1	>8 pCi/L	Retest Now	Short Term
Short Term (2-4 days)	2 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	
Long Term (90-365 days)	1 or More	<2 pCi/L	Test every 2-3 years	Short Term
		2-4 pCi/L	Consider Fixing the Home	
		>4 pCi/L	Fix the Home	

## HOW CAN I FIX A RADON PROBLEM?

If your radon level is at or above 4 pCi/L, you should fix your home. If your radon level is between 2 pCi/L and 4 pCi/L, you may wish to fix your home. For most homes, radon levels can be lowered to 2 pCi/L or lower.

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Visit your local National Radon Defense dealer website at:

[terrafirmas.com](http://terrafirmas.com)



**Report & Sample Dates**

DATE RECEIVED: 3/3/2020  
REPORT DATE: 3/3/2020

**Laboratory Certification Info**

NRPP ID#: 101132 AL  
STATE ID#: N/A  
ELAP ID#: 11430 NY

## RADON TEST REPORT

J Peck  
Terrafirma Foundation Systems  
761 Ne Garden Valley Blvd  
Roseburg, OR 97470 USA

**PROJECT NAME:**  
Phoenix School

**YOUR RADON TEST RESULTS:**

RADON LEVEL: **<0.4 pCi/L \***  
TEST KIT SERIAL #: **AE854079**  
LAB ID: 2122447

TEST ADDRESS: 3131 Diamond Lake Blvd  
Roseburg, OR 97470 USA

TEST FLOOR: 1st Floor  
TEST LOCATION: Eric Oycc  
CLOSED HOUSE: Yes

TEST TYPE: Activated Charcoal  
SAMPLE TYPE: Short Term  
TEST METHOD: EPA-402-R-92-004

TEST START: 08:23 AM 02/26/2020  
TEST END: 08:55 AM 02/28/2020  
EXPOSURE: 48.53 Hours

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