

Radon Inspection Report

Test Location:

David Alexander
126 Penn Rd
Wayne , PA 19087

Test For:

David Alexander
126 Penn Rd
Wayne , PA 19087

Inspected By:

PO Box 33450
Philadelphia, PA 19142
215 778 7118
Lic/Cert. # PA 2590

Test Result: Pass

EPA Average:

3.3 pCi/l

Test Device Details:

Serial Number: 259926012
Model Number: 1028XP
Last Calibration: 06/28/2023
Next Calibration: 06/28/2024
Cal-Factors: 2.62
Motion Error: Yes

Test Site Condition:

Condition: Overcast
Structure Type: Single home
Mitigation Sys: Not Installed

Test Summary:

<u>CRM Location:</u>	<u>Start:</u>	<u>Stop:</u>	<u>Interval:</u>	<u>Duration:</u>
Above crawl	02/08/2024 03:59 PM	02/10/2024 03:59 PM	1 hr	48 hr
*First 4 hrs of data excluded	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	1.1	5.3	3.3	pCi/l

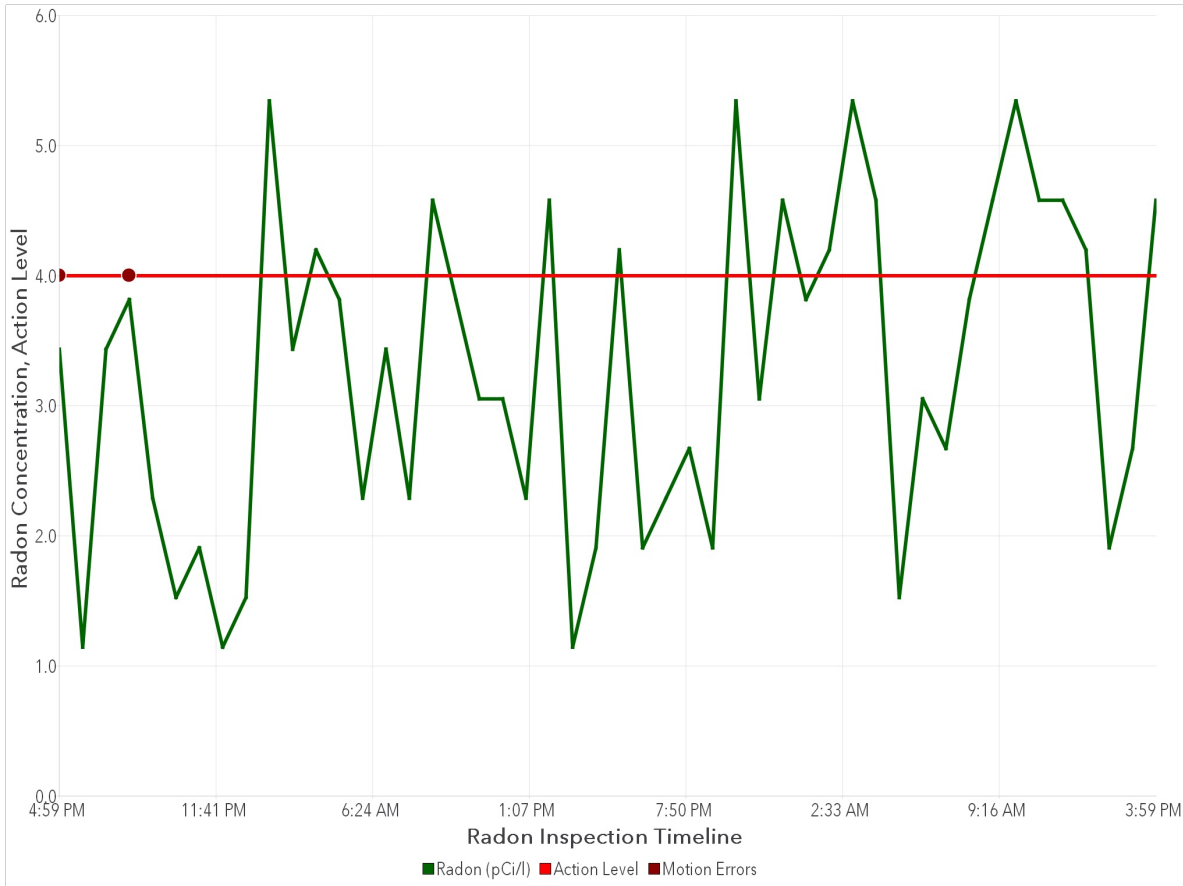
Comments:

No tampering evident. Crawl vent position:NA Authorization agreement: unsigned. Monitor placed by: PA 8883 Kalin Monitor retrieved by: PA 8701 Lerro


Lic/Cert Signature

Inspection Report Date: 02/12/2024

Radon Inspection Chart



Test Result: Pass

Test Location: 126 Penn Rd Wayne , PA 19087

Inspection Report Date: 02/12/2024

Test device manufactured by SunRADON, LLC

Test Table

* Data from first 4 hours excluded from EPA calculations

<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
02/08/24 04:59 PM	3.4	M
02/08/24 05:59 PM	1.1	-
02/08/24 06:59 PM	3.4	-
02/08/24 07:59 PM	3.8	M
02/08/24 08:59 PM	2.3	-
02/08/24 09:59 PM	1.5	-
02/08/24 10:59 PM	1.9	-
02/08/24 11:59 PM	1.1	-
02/09/24 12:59 AM	1.5	-
02/09/24 01:59 AM	5.3	-
02/09/24 02:59 AM	3.4	-
02/09/24 03:59 AM	4.2	-
02/09/24 04:59 AM	3.8	-
02/09/24 05:59 AM	2.3	-
02/09/24 06:59 AM	3.4	-
02/09/24 07:59 AM	2.3	-
02/09/24 08:59 AM	4.6	-
02/09/24 09:59 AM	3.8	-
02/09/24 10:59 AM	3.1	-
02/09/24 11:59 AM	3.1	-
02/09/24 12:59 PM	2.3	-
02/09/24 01:59 PM	4.6	-
02/09/24 02:59 PM	1.1	-
02/09/24 03:59 PM	1.9	-
02/09/24 04:59 PM	4.2	-
02/09/24 05:59 PM	1.9	-
02/09/24 06:59 PM	2.3	-
02/09/24 07:59 PM	2.7	-
02/09/24 08:59 PM	1.9	-
02/09/24 09:59 PM	5.3	-
02/09/24 10:59 PM	3.1	-
02/09/24 11:59 PM	4.6	-
02/10/24 12:59 AM	3.8	-
02/10/24 01:59 AM	4.2	-
02/10/24 02:59 AM	5.3	-
02/10/24 03:59 AM	4.6	-
02/10/24 04:59 AM	1.5	-
02/10/24 05:59 AM	3.1	-
02/10/24 06:59 AM	2.7	-
02/10/24 07:59 AM	3.8	-
02/10/24 08:59 AM	4.6	-
02/10/24 09:59 AM	5.3	-
02/10/24 10:59 AM	4.6	-
02/10/24 11:59 AM	4.6	-

Test Result: Pass

Test Location: 126 Penn Rd Wayne , PA 19087

Inspection Report Date: 02/12/2024

Test device manufactured by SunRADON, LLC

Test Table

* Data from first 4 hours excluded from EPA calculations

<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
02/10/24 12:59 PM	4.2	-
02/10/24 01:59 PM	1.9	-
02/10/24 02:59 PM	2.7	-
02/10/24 03:59 PM	4.6	-

Test Result: Pass

Test Location: 126 Penn Rd Wayne , PA 19087

Inspection Report Date: 02/12/2024

Test device manufactured by SunRADON, LLC

Radon Test Information

Radon Risk Information

Radon causes lung cancer by means of the decay of its daughter products after breathing in air contaminated with higher levels of Radon. The World Health Organization (WHO) estimates that 15% of lung cancers worldwide are caused by exposure to elevated indoor levels of Radon. Overall, radon is the second leading cause of lung cancer responsible for about 21,000 lung cancer deaths every year in the US alone. Radon gas is the number one cause of lung cancer among non-smokers. The U.S. Environmental Protection Agency (EPA), the U.S. Surgeon General, and the Center for Disease Control and Prevention (CDC) strongly recommend that ALL homebuyers have an indoor radon test performed prior to purchase or taking occupancy and recommend having the radon levels professionally mitigated if elevated radon concentrations are found.

Understanding Radon Test Results

Recommended Action Levels vary by country and typically range from 3 pCi/l (100 Bq/m³) to 8 pCi/l (300 Bq/m³). Recommendations below are based on test results by a Continuous Radon Monitor (CRM) Test of at least 48h duration and are based on recommendations by the EPA.

Measured Average Radon Level:

- At or above 4.0 pCi/l (148 Bq/m³): Corrective measures to reduce exposure to radon gas is strongly recommended (ANSI MAH2014)
- Between 2-4 pCi/l (74-148 Bq/m³): Consider mitigation or periodic retest as indoor Radon levels vary by season and weather conditions
- Below 2 pCi/l (74 Bq/m³): Consider bi-annual retest or whenever significant changes to the home structure or mechanical systems occurred

Pennsylvania Notice to Clients

The Radon Certification Act requires that anyone who provides radon-related products or services to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments or complaints concerning persons who provide radon-related services, please contact the Department at the Bureau of Radiation Protection, Dept. Of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469, (717-783-3594).

Test Result: Pass

Test Location: 126 Penn Rd Wayne , PA 19087

Inspection Report Date: 02/12/2024

Test device manufactured by SunRADON, LLC

Radon Inspection Report

Test Location:

David & Betsy Alexander
126 Penn Road
Wayne, PA 19087

Test For:

David & Betsy Alexander
126 Penn Road
Wayne, PA 19087

Inspected By:

PO Box 33450
Philadelphia, PA 19142
215 778 7118
Lic/Cert. # PA 2590

Test Result: Pass

EPA Average:

3.7 pCi/l

Test Device Details:

Serial Number: 226482003
Model Number: 1028
Last Calibration: 04/14/2023
Next Calibration: 04/14/2024
Cal-Factors: 2.42
Motion Error: Yes

Test Site Condition:

Condition: Clear and Dry
Structure Type: Single Home
Mitigation Sys: Not Installed

Test Summary:

<u>CRM Location:</u>	<u>Start:</u>	<u>Stop:</u>	<u>Interval:</u>	<u>Duration:</u>
Basement	02/06/2024 12:41 PM	02/08/2024 12:41 PM	1 hr	48 hr
*First 4 hrs of data excluded	<u>Min:</u>	<u>Max:</u>	<u>Average:</u>	<u>Measurement Units:</u>
Radon Concentration:	0.4	7.4	3.7	pCi/l

Comments:

No tampering evident. Crawl vent position: NA Authorization agreement: unsigned Monitor placed by: PA 8883 Kalin Monitor retrieved by: PA 8883 Kalin


Lic/Cert Signature

Inspection Report Date: 02/08/2024

Radon Inspection Chart



Test Result: Pass

Test Location: 126 Penn Road Wayne, PA 19087

Inspection Report Date: 02/08/2024

Test device manufactured by SunRADON, LLC

Test Table

* Data from first 4 hours excluded from EPA calculations

<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
02/06/24 01:41 PM	1.2	M
02/06/24 02:41 PM	2.9	-
02/06/24 03:41 PM	3.3	-
02/06/24 04:41 PM	2.1	-
02/06/24 05:41 PM	5.4	-
02/06/24 06:41 PM	2.1	-
02/06/24 07:41 PM	3.3	-
02/06/24 08:41 PM	1.7	-
02/06/24 09:41 PM	7.4	-
02/06/24 10:41 PM	2.5	-
02/06/24 11:41 PM	2.5	-
02/07/24 12:41 AM	5.8	-
02/07/24 01:41 AM	3.7	-
02/07/24 02:41 AM	2.9	-
02/07/24 03:41 AM	3.7	-
02/07/24 04:41 AM	2.1	-
02/07/24 05:41 AM	2.5	-
02/07/24 06:41 AM	3.3	-
02/07/24 07:41 AM	3.3	-
02/07/24 08:41 AM	0.4	-
02/07/24 09:41 AM	2.1	-
02/07/24 10:41 AM	4.5	-
02/07/24 11:41 AM	3.3	-
02/07/24 12:41 PM	4.1	-
02/07/24 01:41 PM	3.3	-
02/07/24 02:41 PM	2.9	-
02/07/24 03:41 PM	4.1	-
02/07/24 04:41 PM	1.7	-
02/07/24 05:41 PM	4.1	-
02/07/24 06:41 PM	2.5	-
02/07/24 07:41 PM	4.5	-
02/07/24 08:41 PM	5.0	-
02/07/24 09:41 PM	5.4	-
02/07/24 10:41 PM	1.7	-
02/07/24 11:41 PM	3.3	-
02/08/24 12:41 AM	6.2	-
02/08/24 01:41 AM	4.1	-
02/08/24 02:41 AM	4.5	-
02/08/24 03:41 AM	3.7	-
02/08/24 04:41 AM	6.2	-
02/08/24 05:41 AM	5.0	-
02/08/24 06:41 AM	2.1	-
02/08/24 07:41 AM	3.3	-
02/08/24 08:41 AM	2.5	-

Test Result: Pass

Test Location: 126 Penn Road Wayne, PA 19087

Inspection Report Date: 02/08/2024

Test device manufactured by SunRADON, LLC

Test Table

* Data from first 4 hours excluded from EPA calculations

<u>Date/Time</u>	<u>Radon(pCi/l)</u>	<u>Flags</u>
02/08/24 09:41 AM	2.9	-
02/08/24 10:41 AM	6.2	-
02/08/24 11:41 AM	5.4	-
02/08/24 12:41 PM	4.1	-

Test Result: Pass

Test Location: 126 Penn Road Wayne, PA 19087

Inspection Report Date: 02/08/2024

Test device manufactured by SunRADON, LLC

Radon Test Information

Radon Risk Information

Radon causes lung cancer by means of the decay of its daughter products after breathing in air contaminated with higher levels of Radon. The World Health Organization (WHO) estimates that 15% of lung cancers worldwide are caused by exposure to elevated indoor levels of Radon. Overall, radon is the second leading cause of lung cancer responsible for about 21,000 lung cancer deaths every year in the US alone. Radon gas is the number one cause of lung cancer among non-smokers. The U.S. Environmental Protection Agency (EPA), the U.S. Surgeon General, and the Center for Disease Control and Prevention (CDC) strongly recommend that ALL homebuyers have an indoor radon test performed prior to purchase or taking occupancy and recommend having the radon levels professionally mitigated if elevated radon concentrations are found.

Understanding Radon Test Results

Recommended Action Levels vary by country and typically range from 3 pCi/l (100 Bq/m³) to 8 pCi/l (300 Bq/m³). Recommendations below are based on test results by a Continuous Radon Monitor (CRM) Test of at least 48h duration and are based on recommendations by the EPA.

Measured Average Radon Level:

- At or above 4.0 pCi/l (148 Bq/m³): Corrective measures to reduce exposure to radon gas is strongly recommended (ANSI MAH2014)
- Between 2-4 pCi/l (74-148 Bq/m³): Consider mitigation or periodic retest as indoor Radon levels vary by season and weather conditions
- Below 2 pCi/l (74 Bq/m³): Consider bi-annual retest or whenever significant changes to the home structure or mechanical systems occurred

Pennsylvania Notice to Clients

The Radon Certification Act requires that anyone who provides radon-related products or services to the general public must be certified by the Pennsylvania Department of Environmental Protection. You are entitled to evidence of certification from any person who provides such services or products. You are also entitled to a price list for services or products offered. All radon measurement data will be sent to the Department as required in the Act and will be kept confidential. If you have any questions, comments or complaints concerning persons who provide radon-related services, please contact the Department at the Bureau of Radiation Protection, Dept. Of Environmental Protection, P.O. Box 8469, Harrisburg, PA 17105-8469, (717-783-3594).

Test Result: Pass

Test Location: 126 Penn Road Wayne, PA 19087

Inspection Report Date: 02/08/2024

Test device manufactured by SunRADON, LLC