

## RADON REPORT

*Property Address:*

123 Main Street  
Anytown New York 12540

*Client Info:*

Harry Homeowner  
harry@gmail.com  
845-677-111

*Test By:*

Kenneth Nohai  
NYS ELAP ID: 12177 \* NRSB  
3SS0074  
ken@independentinspect.c  
om

*Location ID:*

715

*Retrieved By:*

Test Result: **≥EPA Guidelines**

Overall Average: **10.9 pCi/L**

*Test Summary:*

Device Name: EcoQube Pro EQ200B  
Serial Number: HK22EPQT0081  
Calibration expiration date: N/A  
Test type: Standard  
Started: 05/31/2024 11:23 AM  
Finished:

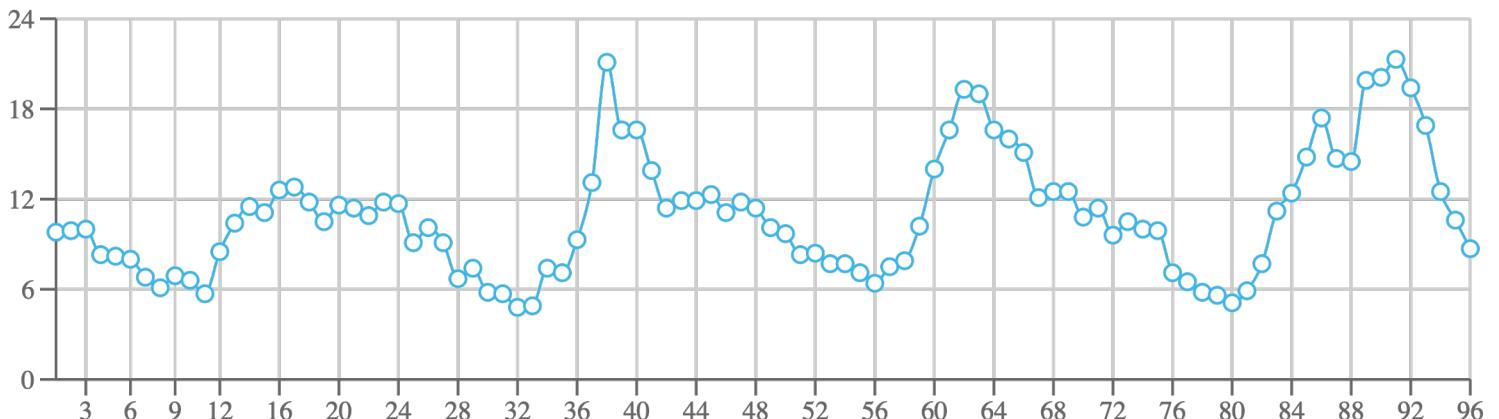
Test Floor: Basement  
Closed building protocol: Yes  
Building Type: Single-family home  
Structure Type: Basement  
Room Type: Basement  
Year Built: 2001  
Mitigation system: Not Installed  
Test purpose: Real estate  
transaction

*Radon Concentration  
(pCi/L)*

Min: 4.8  
Average: 10.9  
Max: 21.3  
Duration: 96 hrs  
Delay time: 0 hrs

*Comments:*

*Radon Historical Trend*



Overall Average: 10.9 pCi/L

Measurement started 05/31/2024 11:23 AM

Measurement finished

\*MDC (Minimum Detectable Concentration) : 0.2 pCi/L

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<u>Data point</u>	<u>Radon(pCi/L)</u>	<u>Data point</u>	<u>Radon(pCi/L)</u>	<u>Data point</u>	<u>Radon(pCi/L)</u>	<u>Data point</u>	<u>Radon(pCi/L)</u>
01	9.8	31	5.7	61	16.6	91	21.3
02	9.9	32	4.8	62	19.3	92	19.4
03	10.0	33	4.9	63	19.0	93	16.9
04	8.3	34	7.4	64	16.6	94	12.5
05	8.2	35	7.1	65	16.0	95	10.6
06	8.0	36	9.3	66	15.1	96	8.7
07	6.8	37	13.1	67	12.1		
08	6.1	38	21.1	68	12.5		
09	6.9	39	16.6	69	12.5		
10	6.6	40	16.6	70	10.8		
11	5.7	41	13.9	71	11.4		
12	8.5	42	11.4	72	9.6		
13	10.4	43	11.9	73	10.5		
14	11.5	44	11.9	74	10.0		
15	11.1	45	12.3	75	9.9		
16	12.6	46	11.1	76	7.1		
17	12.8	47	11.8	77	6.5		
18	11.8	48	11.4	78	5.8		
19	10.5	49	10.1	79	5.6		
20	11.6	50	9.7	80	5.1		
21	11.4	51	8.3	81	5.9		
22	10.9	52	8.4	82	7.7		
23	11.8	53	7.7	83	11.2		
24	11.7	54	7.7	84	12.4		
25	9.1	55	7.1	85	14.8		
26	10.1	56	6.4	86	17.4		
27	9.1	57	7.5	87	14.7		
28	6.7	58	7.9	88	14.5		
29	7.4	59	10.2	89	19.9		
30	5.8	60	14.0	90	20.1		

## Test result is 4.0 pCi/L or greater: YOUR RADON IS HIGH

- **FIX THE BUILDING.** Test results indicate occupants may be exposed to radon concentrations that meet or exceed the EPA action level of 4 pCi/L or greater.
- Efforts to reduce radon concentrations are not complete until a retest provides evidence of mitigation effectiveness.
  - Complete a short-term test between 24 hours and 30 days after installation of a mitigation system.
  - Retest every 2 years or install a continuous radon monitor to ensure the system remains effective.

## Test result is between 2.0 and 4.0 pCi/L: YOUR RADON IS MODERATELY ELEVATED

- **CONSIDER FIXING THE BUILDING.** Test results indicate radon levels greater than half the EPA action level.
- The World Health Organization (WHO) recommends mitigation if levels are 2.7 (100 Bq/m<sup>3</sup>) or higher.
- Continuously monitoring the radon, especially when the heating system is active both day and night is more likely to provide a clear characterization of potential radon hazards.

## Test result is less than 2.0 pCi/L: YOUR RADON IS LOW

- **NO FURTHER ACTION REQUIRED AT THIS TIME.** Test results indicate radon levels greater than half the EPA action level.
- Radon levels in a building can fluctuate due to weather conditions and other factors, including renovations and alterations, or changes in the HVAC system. For this reason, EPA recommends retesting your home every 5 years and to remediate if levels become elevated.

## Times to Retest:

Retest in conjunction with any sale of new or existing buildings. In addition, be certain to test again or continuously monitor when any of the following circumstances occur:

- A ground contact area not previously tested is occupied, or a home is newly occupied.
- Ventilation is significantly altered by extensive weatherization, changes to mechanical systems or comparable procedures.
- A mitigation system is altered, modified, or repaired.
- Significant openings to soil occur due to:
  - Complete a short-term test between 24 hours and 30 days after installation of a mitigation system.
  - Groundwater or slab surface water control systems that are altered or added (e.g., sumps, perimeter drain tile, shower/tub retrofits, etc.). Natural settlement causing major cracks to develop. Earthquakes, construction blasting, or formation of sinkholes nearby.

*Conditions Observed During the Test*

1. The property was vacant during the test period	no
2. Passive crawlspace vents to the outside	no
3. Window ac	no
4. ERV/HRV	no
5. Evaporating cooling system	no
6. Sub-slab return ducts	no
6-1. HVAC fan setting	auto
7. Closed-building conditions at time of placement	yes
7-1. Closed-building conditions at time of retrieval	yes
8. Devices placed in location as standards require	yes
9. Indoor temperature at time of placement	68
9-1. Indoor temperature at time of retrieval	68
10. Signs of interference with test	no
11. Any anomalies in data that may indicate deviation from testing protocol	no
12. Noninterference controls used	yes
12-1. Explain methods used	Labeling and graphing
13. Noninterference agreement given to responsible individual	yes
13-1. Noninterference agreement signed by responsible individual	no
14. Mitigation system present	no
16. Unusually severe storms or periods of unusually high winds	no
17. Any temporary mitigation strategies present	no
<p>18. Limits of the mitigation inspection</p> <p>Unless the client ordered a complete ANSI/AARST Soil Gas Mitigation Compliance Inspection, the radon tester offers no findings as to the proper installation and operation of the mitigation system installed</p>	

*State Radon Information*

More information about radon is available by contacting the Department of Health at:

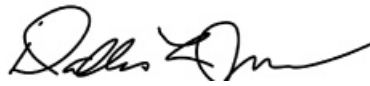
NEW YORK

- Phone: (518) 402-7556
- Website: <http://www.health.ny.gov/environmental/radiological/radon/radon.htm>
- Email: [cynthia.stephenson@health.ny.gov](mailto:cynthia.stephenson@health.ny.gov)

Radon levels in a home can be influenced by many factors including weather, season, living conditions, and occupancy patterns. Temporary conditions observed during the testing period may cause the test to not reflect the client's risk from radon. The levels stated for this time period had the following situations present.

Report Reviewed and Certified by:

Ecosense, Inc.  
Laboratory  
NRPP ID: 113936-AL  
NYSDOH ELAP ID: 12177  
Business  
NJ License: MEB95797  
IL License: RNI20232169



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QA Officer  
Dallas Jones  
NRPP ID 114061-RMP

% Uncertainty of our EcoQube Pro

Radon Level (pCi/L)	% Uncertainty	Radon Level (pCi/L)	% Uncertainty	Radon Level (pCi/L)	% Uncertainty	Radon Level (pCi/L)	% Uncertainty
0.1	-	3.1	1.5%	6.1	1.1%	9.1	0.9%
0.2	5.9%	3.2	1.5%	6.2	1.1%	9.2	0.9%
0.3	4.8%	3.3	1.5%	6.3	1.0%	9.3	0.9%
0.4	4.2%	3.4	1.4%	6.4	1.0%	9.4	0.9%
0.5	3.7%	3.5	1.4%	6.5	1.0%	9.5	0.9%
0.6	3.4%	3.6	1.4%	6.6	1.0%	9.6	0.9%
0.7	3.1%	3.7	1.4%	6.7	1.0%	9.7	0.8%
0.8	2.9%	3.8	1.4%	6.8	1.0%	9.8	0.8%
0.9	2.8%	3.9	1.3%	6.9	1.0%	9.9	0.8%
1.0	2.6%	4.0	1.3%	7.0	1.0%	10.0	0.8%
1.1	2.5%	4.1	1.3%	7.1	1.0%	10.1	0.8%
1.2	2.4%	4.2	1.3%	7.2	1.0%	10.2	0.8%
1.3	2.3%	4.3	1.3%	7.3	1.0%	10.3	0.8%
1.4	2.2%	4.4	1.3%	7.4	1.0%	10.4	0.8%
1.5	2.2%	4.5	1.2%	7.5	1.0%	10.5	0.8%
1.6	2.1%	4.6	1.2%	7.6	1.0%	10.6	0.8%
1.7	2.0%	4.7	1.2%	7.7	0.9%	10.7	0.8%
1.8	2.0%	4.8	1.2%	7.8	0.9%	10.8	0.8%
1.9	1.9%	4.9	1.2%	7.9	0.9%	10.9	0.8%
2.0	1.9%	5.0	1.2%	8.0	0.9%	11.0	0.8%
2.1	1.8%	5.1	1.2%	8.1	0.9%	11.1	0.8%
2.2	1.8%	5.2	1.2%	8.2	0.9%	11.2	0.8%
2.3	1.7%	5.3	1.1%	8.3	0.9%	11.3	0.8%
2.4	1.7%	5.4	1.1%	8.4	0.9%	11.4	0.8%
2.5	1.7%	5.5	1.1%	8.5	0.9%	11.5	0.8%
2.6	1.6%	5.6	1.1%	8.6	0.9%	11.6	0.8%
2.7	1.6%	5.7	1.1%	8.7	0.9%	11.7	0.8%
2.8	1.6%	5.8	1.1%	8.8	0.9%	11.8	0.8%
2.9	1.5%	5.9	1.1%	8.9	0.9%	11.9	0.8%
3.0	1.5%	6.0	1.1%	9.0	0.9%	12.0	0.8%