

RADON MONITORING REPORT

Description of the measurement

The measurement was performed with an Activated Charcoal Adsorption detector (QuickScreen) and was analyzed by Alpha Energy Laboratories (NRPP ID: 101132 AL).

The detector(s) arrived to Alpha Energy Laboratories, Inc. **12/18/2020**. They were measured **12/18/2020**.

No person has signed the record card and verified that the instructions have been followed.

Property data and address

MEASURE SITE ADDRESS
Hillsboro School District

BUILDING ID
23440.024 / 0005

Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	FLOOR	RADON RESULT
RB103764	12/14/2020 12:06 PM – 12/17/2020 09:42 AM	Century ECE building, Storage Room E101	First	< 0.5 pCi/L
RB103748	12/14/2020 12:08 PM – 12/17/2020 09:43 AM	Century ECE building, Room E103	First	< 0.4 pCi/L
RB103758	12/14/2020 12:08 PM – 12/17/2020 09:43 AM	Century ECE building, Room E103 (DUP)	First	< 0.4 pCi/L
RB103794	12/14/2020 12:10 PM – 12/17/2020 09:44 AM	Century ECE building, Room E105	First	< 0.5 pCi/L
RB103741	12/14/2020 12:11 PM – 12/17/2020 09:45 AM	Century ECE building, Kitchen Room E109	First	< 0.4 pCi/L
RB103740	12/14/2020 12:12 PM – 12/17/2020 09:46 AM	Century ECE building, Office Room E108	First	< 0.5 pCi/L
RB103620	12/14/2020 12:12 PM – 12/17/2020 09:46 AM	Century ECE building, BLANK		< 0.5 pCi/L

Comment to the results

Trygve Rönqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

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RADONOVA INC.

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Measurement method: Activated Charcoal Adsorption (QuickScreen)

For this method using the QuickScreen detector, the airtight container with activated charcoal is opened in the area to be sampled and radon in the air adsorbs onto the charcoal granules. At the end of the sampling period, the container is sealed and may be sent to a laboratory for analysis.

The gamma decay from the radon adsorbed to the charcoal is counted on a scintillation detector and a calculation based on calibration information is used to calculate the radon concentration at the sample site.

Measured radon concentrations

For each detector, the measured value of the radon concentration is provided. For each value an uncertainty associated with the measurement to a 95% confidence level is also provided. For example a measurement result of 4.0 ± 0.5 pCi/L means that the radon concentration is most likely contained in the range 3.5 - 4.5 pCi/L. If the start or end date of the measurement has not been provided, the radon concentration cannot be calculated. In such cases, the total exposure in pCi*days/L will be reported. The reported measured values are related to the detectors as received by Radonova Laboratories AB. Detector deployment is not performed by Radonova Laboratories AB. Measurement information such as monitoring period (dates) and placement location is provided to Radonova Laboratories AB by the end user.

Codes on non-reportable detectors

DNR Not Reported – Detector Not Returned
ERR Not Reported – See comment

Radon measurements in Multifamily Buildings, Schools and Large Buildings

The United States Environmental Protection Agency (EPA) recommends remediation if the results of one long-term test or the average of two short-term tests conducted in an occupied room are 4.0 pCi/L or higher. The average yearly residential indoor radon level in the US is estimated to be around 1.3 pCi/L. Long-term tests are conducted for more than 90 days. Short-term tests are conducted between 2 and 90 days and should be performed under closed building conditions.

If an initial short-term test result is less than 4 pCi/L, a follow-up measurement is probably not needed.

If an initial short-term test result is between 4 pCi/L and 8 pCi/L, a long-term or a short-term follow-up measurement is recommended.

If an initial short-term test result is greater than 8 pCi/L, a short term follow-up measurement is recommended in order to get a fast result.

More information about radon measurements and mitigation can be found in the AARST and EPA publications:

- ANSI/AARST Protocol for Conducting Measurements of Radon and Radon-Decay Products in Schools and Large Buildings.
- ANSI/AARST Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Buildings.
- ANSI/AARST Radon Mitigation Standards for Schools and Large Buildings.
- ANSI/AARST Radon Mitigation Standards for Multifamily Buildings.
- EPA Radon Measurements in Schools, EPA 402-R-92-014, July 1993.

For more information about the interpretation of your test results or about other radon related issues we suggest contacting your state radon office.

Signature on the report

With the signature on the report, the Measurement specialist at Radonova certifies that the quality control procedures follows the guidance in accordance with EPA 402-R-95-012.

Measurement information displayed in italics on report has been provided by the customer.

Certification no:

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