

Prospect  
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BY  
Prospect

REPORT RECEIVER(S)  
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## 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. **07/20/2022**. They were measured **07/20/2022**.

The detectors were deployed by Robert and retrieved by Reavis, Certification license no:

### Property data and address

MEASURE SITE ADDRESS  
Fields on 15th  
800 15th Ave.  
Longmont CO 80501

BUILDING ID

TYPE OF BUILDING: Apartment	BUILDING YEAR: 2022	FOUNDATION TYPE: Slab on grade	PURPOSE OF TEST: Primary Screening
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### Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	ROOM TYPE	FLOOR	RADON RESULT
RK115420 [QuickScreen]	07/15/2022 08:00 AM – 07/18/2022 10:00 AM	Building B Unit 108	Other living area	First	< 0.6 pCi/L
RK115423 [QuickScreen]	07/15/2022 08:00 AM – 07/18/2022 10:00 AM	Building D Unit 101	Other living area	First	1.1 ± 0.5 pCi/L

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	ROOM TYPE	FLOOR	RADON RESULT
RK104938 [QuickScreen]	03/28/2022 12:00 PM – 04/01/2022 12:00 PM				1.4 pCi/L

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	ROOM TYPE	FLOOR	RADON RESULT
RK104933 [QuickScreen]	03/18/2022 12:00 PM – 03/23/2022 12:00 PM				< 0.6 pCi/L

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	ROOM TYPE	FLOOR	RADON RESULT
RK114435 [QuickScreen]	06/15/2022 12:00 AM – 06/17/2022 12:00 AM	Building B			<b>10.0 ± 0.6 pCi/L</b>
RK114431 [QuickScreen]	06/15/2022 12:00 AM – 06/17/2022 12:00 AM	Building D			<b>10.4 ± 0.6 pCi/L</b>
RK114442 [QuickScreen]	06/15/2022 12:00 AM – 06/17/2022 12:00 AM	Building E			< 0.9 pCi/L

### Comment to the results

#### Trygve Rönqvist (Electronically signed)

Signature Radonova Laboratories Laboratory Measurement Specialist

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## What Does My Result Mean?

The United States Environmental Protection Agency (EPA) recommends remediation if the results of one long-term test (greater than 90 days) or the average of two short-term (less than 90 days) tests\* conducted in the lowest lived-in level of the home report at or above 4.0 pCi/L.

### Result (pCi/L) Recommended Action

Less than 2.0 Retest every 2-3 years  
2.0 - 3.9 Consider Mitigation  
4.0 or Higher Mitigate

\*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 10 pCi/L, a long-term or a short-term follow-up measurement is recommended. If an initial short-term test result is greater than 10 pCi/L, a short-term follow-up measurement is recommended. For more information, or to find a certified mitigation professional, contact your state radon office, the National Radon Proficiency Program ([www.nrpp.info](http://www.nrpp.info)) or the National Radon Safety Board ([www.nrsb.org](http://www.nrsb.org)).

## Measurement method: Activated Charcoal Adsorption

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  $4.0 \pm 0.5$  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. Detector deployment is not performed by Radonova Laboratories. Measurement information such as monitoring period (dates) and placement location is provided to Radonova Laboratories by the end user.

## Codes on non-reportable detectors

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

## Radon measurements in the US

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 the lowest lived-in level of the home report at or above 4.0 pCi/L. 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 greater than 10 pCi/L, a short-term follow-up measurement is recommended in order to get a fast result. If an initial short-term test result is between 4 pCi/L and 10 pCi/L, a long-term or a short-term follow-up measurement is recommended.

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

## Your state radon office should have the available EPA publications:

- A Citizen's Guide to Radon
- Home Buyer's and Seller's Guide to Radon
- Consumer's Guide to Radon Reduction

## Signature on the report

With the signature on the report, the Measurement specialist at Radonova Laboratories 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:

101132-AL, 107830-RT, NY ELAP ID: 11430

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