

RADON

Measurement with Charcoal Canister

State Environmental Laboratory Services Oklahoma Department of Environmental Quality

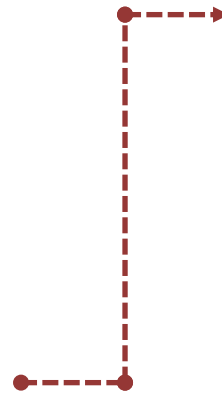


Sampling Guide For Radon Measurement with Charcoal Canister

PRIOR TO COLLECTION

- Plan enough time to complete sampling (**2-Days**); samples must be returned within **24 hours** of collection.
- Ensure that severe storms and/or high winds of > 25 MPH are not expected during the 2-days of sampling.
- Ensure the Sample Kit has the following items:
 - Chain of Custody form, plus sample label
 - 1 Charcoal Canister sealed with tape
 - 1 Box for return mailing
 - a return mailing label (see instruction on back)

NOTE: DO NOT OPEN THE CANISTER TO BEGIN THE MEASUREMENT IF YOU CANNOT END THE MEASUREMENT at the 48 hour mark.



SAMPLE REJECTION

Samples will be rejected (not analyzed) if any of the criteria below is met:

- forms are incomplete, illegible, or missing
- canister is not labeled to match sampling point
- not collected from approved sample site
- start/stop time and date are not provided on the canister label
- canister lid is not resealed with the original tape
- sample is not received within method holding time of **24 hours**
- damaged beyond usability

SAMPLE COLLECTION

1. Choose an approved sampling location to place the canister.
Approved: Basement or a room on the lowest floor of the house that meets the sampling criteria below.
Not Approved: Bathroom, Crawl Space, Garage, Kitchen, Laundry Room, Porch, Root Cellar.
2. The canister **SHOULD NOT** be placed in a location frequently exposed to high humidity or noticeable drafts of an open door, window, fireplace, etc.
3. The canister **SHOULD** be placed on a table (**non-natural stone**) or shelf at least 20 inches above the floor and 1 foot from exterior walls in open air, not in a closet, drawer, cupboard, etc. It should be exposed to the air that people breathe.
4. Remove the tape from around the canister and save it to re-seal the canister at the end of the measurement. (Wrap it around the bottom of the open canister.)
5. Fill in the start date and time on the label provided on the canister lid. **NOTE:** *Start Date/Time will be used to populate on Chain of Custody.*
6. Remove the lid from the canister and place under the lower half of the canister, with the screen side up toward the open air, on a table or shelf in the chosen sampling location.
7. After **2-full days (48 hours)**, replace the lid on the canister and re-seal with the original tape.
8. Fill in the stop date and time on the label.
9. Complete all sections of the Chain of Custody form at collection.
10. See back for "Sample Delivery" details.

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SAMPLE DELIVERY

MAIL

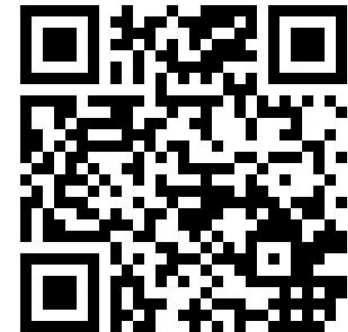
Sign and date each Chain of Custody form before mailing. Place completed form in the provided shipping container. If using a courier, i.e. FedEx, UPS, etc., address your label as the following;

Oklahoma Department of Environmental Quality
707 N. Robinson
Oklahoma City, OK 73102

PERSONAL DELIVERY

The person delivering samples will sign all Chain of Custody form(s) at the receiving window of the DEQ Sample Management Unit located through the door on the northeast corner of the building. Hours of operation at Monday – Friday 8:00 am to 4:30 pm except on state holidays.

For collection assistance or questions, scan the QR code to the right to view the SELS contact page.



**Need
Help?**

For questions about the analytical prices and fees, scan the QR code to the right, or visit the SEL's page of the DEQ's website at www.deq.state.ok.gov



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For further assistance or concerns, call 1-866-412-3057 or email us at selsd@deq.ok.gov

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