



North Dakota Department Of Environment Quality

NDSU Practicum Student



NDSU Practicum Student: Project Description and Deliverables

North Dakota Home
Builders Survey/List

Analyses - Radon
Test Kits Giveaway
Project

School Radon
Testing Project

North Dakota Home Builders Survey/List

- ▶ Partner with the North Dakota Home Builder Association
- ▶ Create a letter and/or email talking about radon and facts about ND elevated radon levels.
- ▶ Key benefits
 - ▶ More aesthetically pleasing
 - ▶ Less chance of freezing in the wintertime
 - ▶ Might not need a radon fan
 - ▶ Possibly require a smaller fan
 - ▶ Being able to run a pipe in the ideal location
 - ▶ Reducing noise
 - ▶ Other benefits like reducing moisture
 - ▶ Less expensive ???

North Dakota Home Builders Survey/List

- ▶ Use an online platform like Survey Monkey
- ▶ What do you all think about these questions ?
- ▶ Approximately how many new homes did you build in 2025?
- ▶ How many new homes were built with Radon-Resistant New Construction (RRNC) features?
- ▶ How many clients requested those features?
- ▶ Would you be interested in a virtual RRNC training class?
- ▶ Would you like to receive more information on RRNC construction?
- ▶ Would you like to be added to the NDDEQ RRNC Builders List?
 - ▶ If the builder answers (Yes), a form will be generated for the builder to provide all the needed information required to be listed on the RRNC Builders List
- ▶ Who installs the radon mitigation system in your homes that you build?

North Dakota Home Builders Survey/List

- ▶ Create a RRNC builders list
- ▶ The hope is this list will make it easier for ND residents to find a builder in their area that builds homes with RRNC features
- ▶ The bigger picture - more homes are built RRNC when the builder and ND residents understand the benefits for installing a radon mitigation during the building process

Analyses Radon Test Kits Giveaway Project

- ▶ Look at the total number of radon test kits given out
- ▶ What parts of the state are requesting the most radon test kits/Why?
- ▶ What parts of the state are not requesting radon test kit/Why?
- ▶ How many radon test kits were analyzed
- ▶ Is the return rate good (what return rates are other states seeing?)
- ▶ If the return rates are low, how can we increase them
- ▶ How many homes that test elevated for radon conducted follow-up testing
- ▶ How many homes that test elevated, installed a mitigation system
- ▶ How many people conducted post mitigation testing to make sure the radon mitigation system was working

School Radon Testing Project

- ▶ Pretty much just wanted to give the NDSU student some hands-on experience
- ▶ They will go through the whole process from start to finish
 - ▶ Figure out how many radon test kits are needed including quality controls
 - ▶ Place radon test kits
 - ▶ Retrieve kits
 - ▶ Review test results
 - ▶ Write up report with recommendations, if needed
 - ▶ Follow-up testing
 - ▶ See if anything can be done to fix the radon level with the HVAC system
 - ▶ Possibly helping school maintenance staff install a radon mitigation system

School Radio

- ▶ Pretty much just was a good experience
- ▶ They will go through the process
 - ▶ Figure out how to use the system
 - ▶ Place radio in the field
 - ▶ Retrieve the data
 - ▶ Review the data
 - ▶ Write up the report
 - ▶ Follow-up testing
 - ▶ See if anything can be done to improve the system
 - ▶ Possibly helping school with the system



For More Radon Information

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Visit NDDEQ Website at:

<https://deq.nd.gov/wm/radon/>