



James Parsons is an Environmental Specialist with the Choctaw Nation of Oklahoma and is a certified Radon Measurement Professional (RMP). He holds a Master's degree in Environmental Management and is a certified Project Management Professional (PMP). Since 2021, he has led the development and expansion of the Tribe's Radon Program, overseeing facility testing, residential outreach, and the creation of a Tribal radon risk map based on actual test data. His work combines public health protection, regulatory compliance, and structured project management to strengthen environmental initiatives for the Choctaw Nation.



**Choctaw Nation**

Environmental  
Protection Service  
Air Quality Division

# Choctaw Nation of Oklahoma Radon Program Overview

James Parsons, Environmental Officer (RMP)  
Environmental Compliance



# Program Purpose & Scope

- Protect Tribal members and employees from radon exposure
  - Conduct facility and residential testing
  - Expand community outreach and education
  - Develop data-driven Tribal radon risk mapping



# Program Launch – 2022

- Certification completed Fall 2021
  - 31 government facilities tested
  - 2 Tribal homes tested
  - 3 total structures exceeded 4.0 pCi/L action level



# Program Expansion – 2023–2025

- Completed testing of Jones Academy facilities
- 700 residential test kits distributed at events
  - 10–15% general return rate
- FY 2025
  - Targeted Radon Action Month distribution
    - Distributed ~60 test kits
    - ~60% return rate when kits are requested
    - No test results above 4



# Tribal Radon Risk Mapping Initiative

- EPA map based on geological modeling
  - Tribal map based on actual test data
  - 135 total completed tests
  - Most zip codes under-sampled (<10 tests)

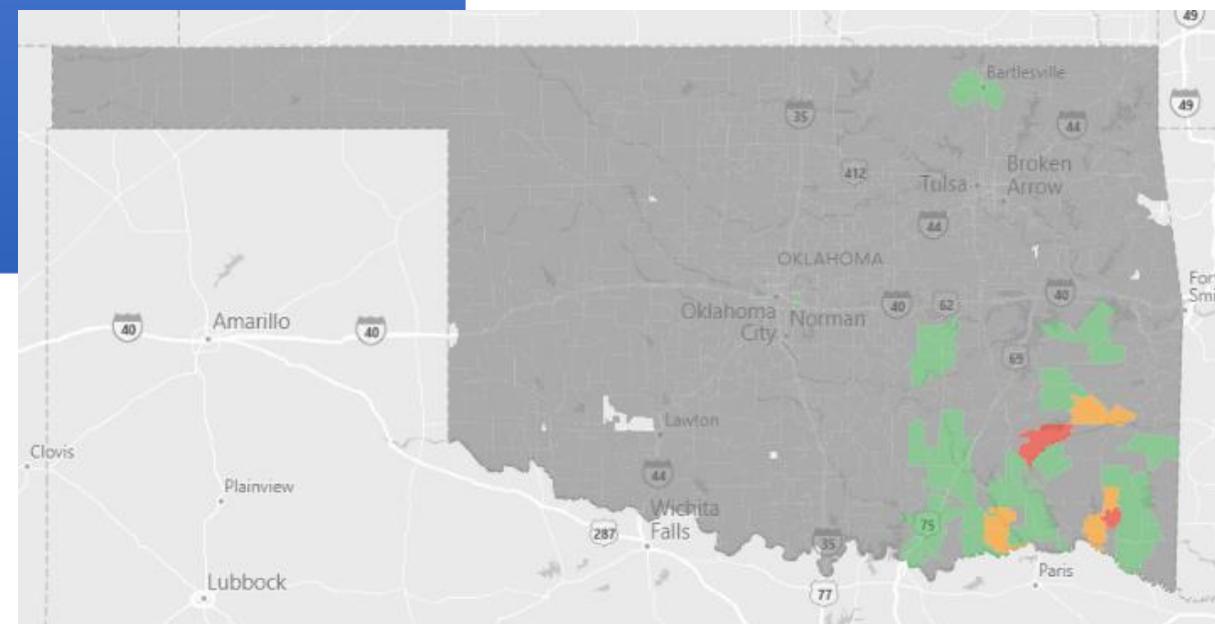
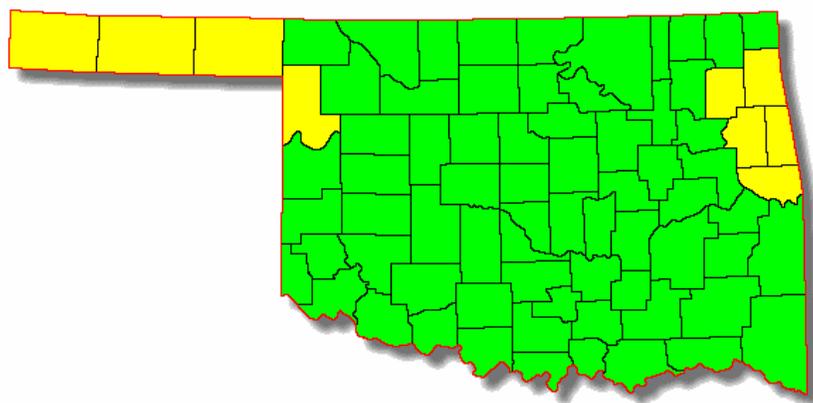


# Radon Data Coverage – Current Status

## Current Coverage Snapshot

- 135 Total Tests Collected
- Majority of Zip Codes: <10 Tests
- Several Areas: 1–2 Tests Only

Strategic Priority: Increase Geographic Coverage to Strengthen Risk Modeling Accuracy





# 2025–2026 Strategic Priorities

- SIRG HUD compliance implementation – January 2026
  - Targeted Radon Action Month distribution
    - Distributed 230 test kits with a usage rate of 6.2%
    - 3 test results above 4.
    - 3 testing errors due to timeliness
  - Expand education and awareness campaigns
  - Train and certify two additional staff members



# Conclusion

- Testing drives awareness
  - Data drives strategy
  - Prevention protects our communities



# Questions?

- Thank you for your time and attention.