

Region 4 Karst Stakeholders Meeting Report

November 8, 2004

14th National Radon Meeting

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Background

- Overpowered mitigation systems discovered in Livingston, TN
- Other studies showed extreme variability
- Similar issues found in AL and KY
- Conclusion: karst geology plus strong radon source contribute to variability

Background, cont'd

- Meetings of radon scientists and policy makers
 - Recommend year-long testing
 - Define area of effect
- Information shared at national, international conferences

Background, cont'd

- Southern Regional Radon Training Center offers karst-specific training
- Beginning in FY01, year-long testing recommended through AL, KY and TN SIRGs

Background, cont'd

- Concerns about potential reduction in testing, especially in real estate situations
- Stakeholders Meeting held to discuss issues

Stakeholders Meeting

■ Outcome:

- Recommend 12-month testing
- Acknowledge value of real estate (short-term) testing

EPA Region 4 Recommendations

- Conduct 12-month testing in state-designated karst areas of AL, KY & TN
 - If results ≥ 4 pCi/L, mitigate
 - If results < 4 pCi/L, retest in few years

continued....

EPA Region 4 Recommendations

- When short-term real estate testing conducted:
 - If results ≥ 4 pCi/L, mitigate
 - If results < 4 pCi/L, recommend year-long follow-up
- Conduct 12-month test to verify mitigation

NEXT STEPS

EPA Region 4

- Incorporate revised recommendations in FY05 SIRGs of AL, KY and TN
- Continue to work with Stakeholders
- Develop outreach letter for use by the 3 states