

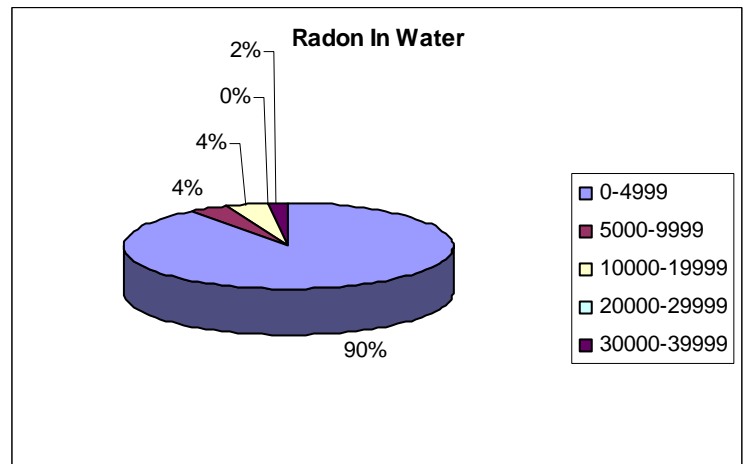
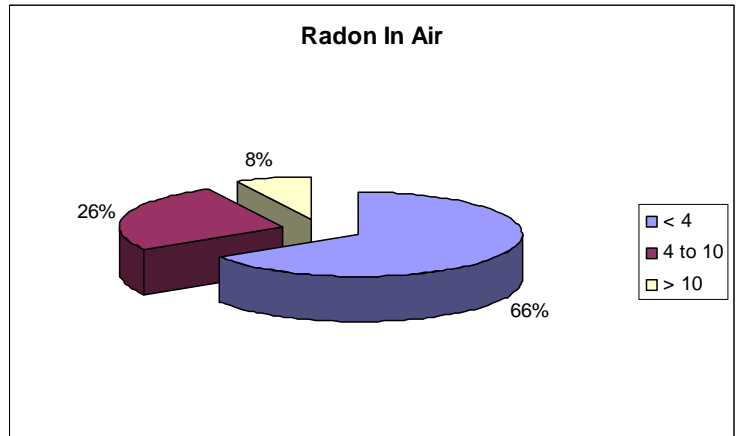
RADON – WHAT DOES IT MEAN TO YOU?

MYTHS & MISCONCEPTIONS

- Just a bunch of bunk – “show me the cadaver”
- A way for inspectors to make more money
- Another unnecessary hurdle/concern for a real estate transaction
- No proof that it is a health risk

RADON

- One of MANY health concerns in homes (smoke, dust, pollen, mold, etc.)
- Worldwide health risk assessments endorsed by WHO, AMA, ALA, EPA
- Naturally occurring radioactive gas originating from Uranium 238
- Levels can vary significantly based on environmental factors:
 - Weather, seasons, living conditions, home design
- Present at some level in every home (air and water)
- Not new, but higher today because homes are more air tight



RADON TESTING

- Recommended for all homes (per EPA & US Surgeon General).
 - Air: lowest livable space
 - Water: any point of use
- Will be regulated by the CT DPH (certification requirement pending)
- Numerous approved methods:
 - Continuous electronic monitor (CR)
 - Alpha track detectors (AT)
 - Electret ion chamber (EC)
 - Charcoal adsorption (AC)
 - Liquid scintillation (LS)
- Actual measurement statistics shown on right (100 homes, CT shoreline towns, 2005)

RADON MITIGATION

- EPA & State of CT DPH mitigation guideline (annual average)
 - Air = 4.0 pCi/L or greater
 - Water = 5000 pCi/L or greater
- Guideline established based on mitigation technology, not health risk
- Widely accepted methods to reduce health risks associated with radon exposure
 - Air: sub-slab evacuation
 - Water: aeration (>10,000) or activated charcoal systems (<10,000)

USEFUL REFERENCES

U.S. Environmental Protection Agency (<http://www.epa.gov/iaq/radon/index.html>)

CT Dept. of Public Health (http://www.dph.state.ct.us/BRS/Radon/radon_program.htm)

National Environmental Health Association (<http://www.neha.org/>)

National Radon Safety Board (<http://www.nrsb.org/>)

American Lung Association (<http://www.lungusa.org/site/pp.asp?c=dvLUK9O0E&b=37993>)

World Health Organization (http://www.who.int/ionizing_radiation/env/radon/en/)

American Association of Radon Scientists and Technologists (<http://www.aarst.org/>)

Conference of Radiation Control Program Directors (<http://www.crcpd.org/>)

American Medical Association (<http://www.ama-assn.org/>)