

HEALTHY HOMES ASSESSMENT

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Introduction

- What sparked the interest in Healthy Homes
- Things I've learned
- Collaboration of MANY professionals
- Down the line
 - ▣ Maintenance codes

Topics for Today

- Home Systems
- Dry
- Clean
- Pest Free
- Ventilated
- Safe
- Contaminant Free
- Resources

Home Systems

- Heating Systems
- Ventilation
- Cooling
- Water
- Moisture

Dry

- Moisture
 - ▣ Rain water
 - ▣ Ground water
 - ▣ Slope of landscape
 - ▣ Plumbing leaks
 - ▣ Ice damming
 - ▣ Prevent mold
 - Summary of our seminars

Clean

- Chemicals
- Allergies
- Pest dropping
 - ▣ Looking
- Pesticides

Pest Free

- Rodents
- Bats
- Bedbugs

Ventilated

- Heater
- Furnace
- Exhaust Fans
- Use of CO alarms

Safety

□ According to National Center for Healthy Housing:

□ Most common causes of injury deaths

- Falls 33%
- Poisoning 27%
- Fires and Burns 18%
- Choking and Suffocating 6%
- Drowning 5%
- Firearms 3%
- Other 8%

Falls

□ Stairs not up to code

- Too steep
- Stair treads rotting
- No handrails
- Faulty handrails
- Trip hazards
 - Cords

Poisoning

- Medications
- Pesticides
- Cleaning products

Fire and Burns

- Smoke Detectors
- Hot Water Temperature
- Gasoline/fuel
- Access to stove and pans

Choking and Suffocating

- Play equipment
- Crib safety
- Miniblinds
- Co-sleeping
- Toys that are not age appropriate

Drowning

- Yard pool
- Unattended in bathtub
- Five gallon bucket
- whirlpools

Firearms

- Trigger lock and secure storage
- Store ammunition separate from firearm

Contaminants

- Lead Paint
- Asbestos
- Tobacco
- VOC's
- Radon

Contaminants- Lead Paint

- Windows
 - ▣ Dust
- Peeling Paint
- Varnish

Lead Paint Hazards



Lead Paint- Existing Rules

- EPA Rule- Disclosure for Landlords and Home Sellers
- Pamphlet Distribution from Renovators
- Certification requirements for abatement- Dept of Health Services
- NEW EPA Rule – April 2010 will require one person per crew to complete a one day Lead Safe Renovator class
- Existing building codes
- 75% of houses built before 1978



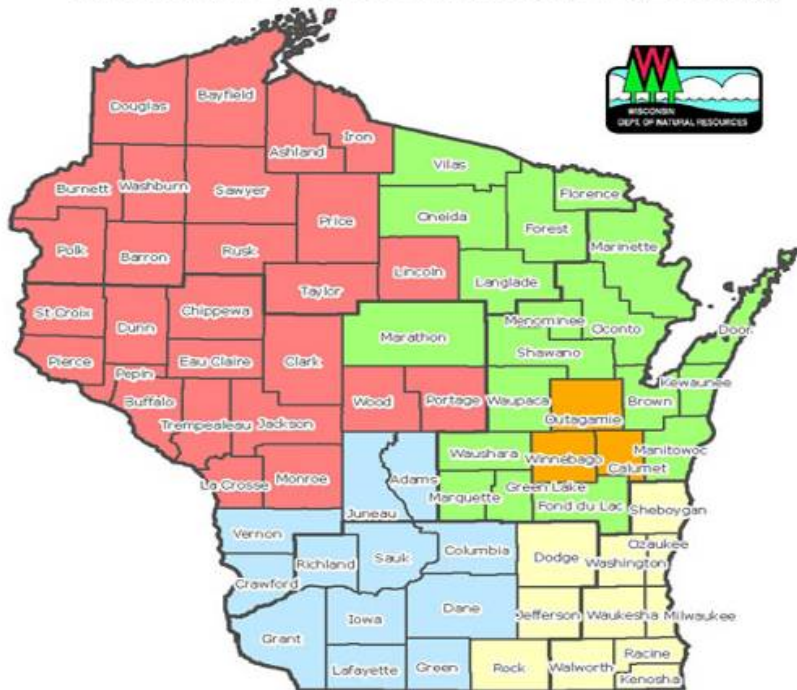
Contaminants-Asbestos

Still can be found in building products, today.

Asbestos-existing rules

- Department of Health Services
 - DHS159
 - Requires certification of people that disturb asbestos
 - OSHA
 - Requires that employees are properly protected when working with asbestos
- Department of Natural Resources
 - Requires pre-demolition and pre-renovation asbestos inspections
 - 5 family and above, commercial, industrial
 - Citation authority

Wisconsin Asbestos Inspectors By County



Asbestos Inspector

- Troy Gansluckner - DNR Air Management West Central Region (715) 684-2914, ext 132
- Jessica Fournier - DNR Air Management Northeast Region (920) 424-7898
- Todd Drew - City of Menasha Health Department (920) 967-3522
- Mark Davis - DNR Air Management Southeast Region (414) 263-8674
City of Milwaukee Asbestos Inspectors (414) 286-5771
- Amy Walden - DNR Air Management Central Office (608) 266-3658

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Department of Natural Resources

- Cooperation, Coordination and Communication between agencies
- DNR has a booth at the conference. The DNR Asbestos Coordinator and the regional Waste & Recycling specialist will be at the booth during the long breaks to answer questions. A list of quick links to their web site will be emailed out to WEHA participants/members.

DNR Resources

- **DNR Quick Links will be emailed out**
- Contacts for Emergency / Violation / Complaint
- Asbestos and renovation & demolition of buildings
- Contaminated properties
- Open burning - waste and structures
- Recycling demolition materials
- Stormwater
- Spills response
- Waste disposal

Contaminants- Tobacco

- Cigarettes
- Cigars
- Contributes to asthma

Contaminants-VOCs

- Volatile Organic Compounds
 - adhesives
 - carpeting
 - upholstery
 - manufactured wood products
 - copy machines
 - pesticides
 - cleaning agents
 - Environmental tobacco smoke

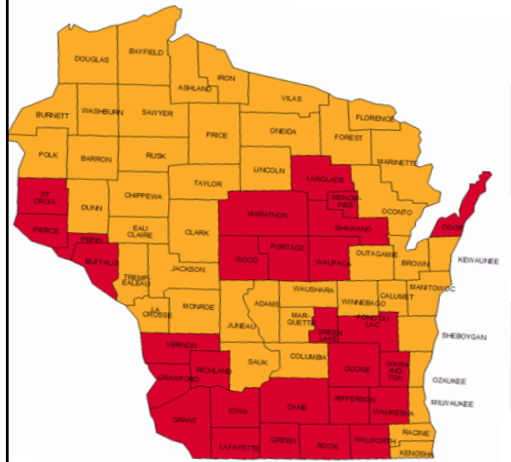
Contaminants-VOCs

- Health Effects
 - Eye, nose, and throat irritation; headaches, loss of coordination, nausea; damage to liver, kidney, and central nervous system.

Contaminants-Radon

- 2nd leading cause of lung cancer
- According to the HUD website:
 - Radon is a radioactive gas that cannot be seen, smelled or tasted. Radon gas is a natural substance that can be found in the dirt and rocks beneath houses, in well water and in some building materials. It can enter homes through soil, crawlspaces, foundation cracks, floors and walls. Once inside, it can sometimes become trapped in your home.
- Remedies include sealing and ventilating

Contaminants-Radon



Zone 1 counties have a predicted average indoor radon screening level greater than 4 pCi/L (pico curies per liter) (**red zones**)

Zone 2 counties have a predicted average indoor radon screening level between 2 and 4 pCi/L (**orange zones**)

Zone 3 counties have a predicted average indoor radon screening level less than 2 pCi/L (**yellow zones**)



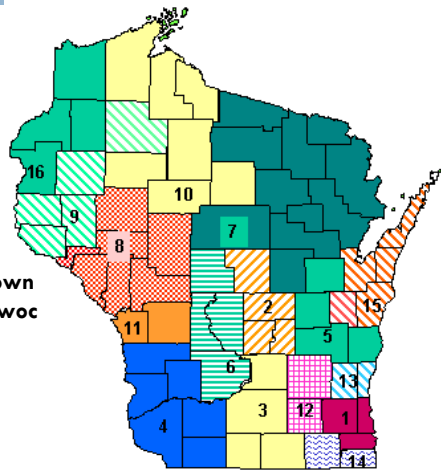
<http://www.epa.gov/radon/zonemap/wisconsin.htm>

Wisconsin Resources for Radon

Regional Radon Information Centers
888 569-7236
(888 LOW-RADON)

Health Departments

- | | | |
|----------------|----------------|---------------|
| 1. Waukesha | 2. Waushara | 3. Dane |
| 4. Grant | 5. Fond du Lac | 6. Sauk |
| 7. Marathon | 8. Eau Claire | 9. Dunn |
| 10. Taylor | 11. La Crosse | 12. Watertown |
| 13. Washington | 14. Kenosha | 15. Manitowoc |
| 16. Polk | | |



<http://www.lowradon.org>

Review of Topic areas

- Home Systems
- Dry
- Clean
- Pest Free
- Ventilated
- Safe
- Contaminant Free
- Resources

Professionals to work with

- Building Inspectors
- Home Inspectors
- Contractors
- Industrial Hygienists
- Asbestos professionals
- Lead Paint professionals

Resources

- Handouts
 - ▣ Checklists
- NEHA
 - ▣ Healthy Homes Practitioner Certification

Resources

- HUD
 - ▣ www.hud.gov/offices/lead
- EPA
 - ▣ www.epa.gov
- Wisconsin Department of Health Services
 - ▣ Lead and Asbestos Section
 - <http://dhs.wisconsin.gov/asbestos/Cert/>
 - ▣ Healthy Homes
 - <http://dhs.wisconsin.gov/hometips/>

Resources for both identifying the issue and resolving the issues

- National Center for Healthy Housing
 - <http://www.nchh.org/Home.aspx>
- Healthy Homes listserv
 - Healthyhomesnet-on@mail-list.com
- Local Weatherization Agencies
 - www.wiscap.org
- Safe Kids Wisconsin – through Children’s Hospital
 - <http://www.bluekids.org/aboutus/safekidswi.asp>

Resources for both identifying the issue and resolving the issues

- Wisconsin Children’s Health Alliance
 - <http://www.chawisconsin.org/>
- Recipients of Healthy Homes Grants:
 - Kenosha Health Department
 - Anna McCreery
 - City of Milwaukee Health Department
 - Mat Wolter
- Wisconsin Asthma Coalition
 - <http://dhs.wisconsin.gov/eh/Asthma/WAC.htm>

Resources for both identifying the issue and resolving the issues

- Milwaukee Lead & Asbestos Information Center, Inc.
 - www.mlaic.com
 - Resources, contractor lists
 - Agencies with funding that use lead contractors
- Rural Development
- Housing and Urban Development