An Asbestos Overview

NH HEALTH OFFICERS ASSOCIATION
2016 SPRING WORKSHOP

May 18, 2016
What Is Asbestos?

- Naturally Occurring Mineral
- Made of:
  - Silicon
  - Oxygen
  - Hydrogen
- Most Common Types
  - Chrysotile (Fibers)
  - Amosite (Needles)
  - Crocidolite (Needles)
Properties

- High Tensile Strength
- Nonconductive
- Non-combustible
- Resistant to Corrosion
- Strong and Flexible
- Light weight
- Microscopic Fibers
- Non-Biodegradable
What are the Routes of Exposure?

- Inhalation
- Ingestion
First & Second Hand Exposure

- You (inhalation, clothing, shoes)
- Your Co-Workers
- Family and Friends
Types of Diseases

- Lung cancer
- Mesothelioma
- Asbestosis

Asbestos Fibers/Bodies Lodged in Lungs

10 to 40 years before symptoms appear
Risk Factors for Disease

- Dose
- Duration of exposure
- Frequency of exposure
- Occupation
- Smoking status
Common ACMs

- Vinyl Flooring - tile/sheeting, backing & mastics
- Boiler & Pipe Insulation and Cements
- Transite (Siding, Roofing, Pipe, etc.)
- Asphalt Roofing Materials
- High Temperature Gaskets
- Caulking and Putty
- Dry Wall, Plaster & Joint Compound
- Friction Devices
- Vermiculite
Roofing

- Shingles
- Cements
- Flashing/Caulking
Laws & Regulations

NH RSA 141-E, Asbestos Management and Control Act

NH Env-A 1800, Asbestos Management and Control

EPA 40 CFR 763 Subpart E, Asbestos-Containing Materials in Schools
Demolition/Renovation Projects

DES receives 1200 demolition/renovation notifications per year.
Inspection and Notification

✓ Inspection required for any renovation/demolition. (By a Qualified Asbestos Inspector)

✓ Notify DES & City/Town 10-dys in advance of any:
  ▪ Major Asbestos Abatement work, or
  ▪ Demolition Project

✓ Abatement requires NH Certification/Licensing
Homeowners can do their own abatement work...

Notes:

- Only applies to single-family owner occupied residence. Must not be sold for six months after asbestos abatement.

- Must still follow the work practices, properly package, and properly dispose of the ACM per Env-A 1800, as would a Certified or Licensed contractor.
Asbestos In Schools

Subject to AHERA Regulations.

School must:

- Designate an Asbestos Manager
- Maintain a Current Management Plan
- Conduct Periodic Inspections
- Manage Asbestos (removal or in place)
- Subject to Periodic Inspection by DES
Disposal of Asbestos Waste

At a landfill permitted to accept ACM

- NH Landfills permitted to accept ACM:
  - Waste Management, Rochester
  - Mt. Carberry, Success Township
  - Four Hills, Nashua (from Nashua only)
Any Questions?