ASBESTOS AWARENESS

Presented by the Office of Environmental Health and Safety
Safety and Environmental Compliance at ECU

Environmental Health & Safety
210 East Fourth Street
328-6166

Prospective Health
Warren Life Sciences
744-2070

EH&S Administration
Industrial Hygiene & Safety
Environmental Management
Workers’ Compensation

Radiation Safety
Biological Safety
Infection Control
Employee Health
Welcome to the Office of Environmental Health and Safety (EH&S) at East Carolina University.

EH&S reports to the Executive Vice Chancellor for Administration and Finance and is located at 210 E. 4th Street. EH&S operates in a collaborative effort with several university safety committees, the Office of Prospective Health and the campus community to develop policy manuals and training programs that ensure campus safety, environmental sustainability and regulatory compliance. EH&S program management and consultation areas include environmental management, safety, industrial hygiene, life safety, and workers’ compensation. The
TRAINING OUTLINE

- What is Asbestos?
- Health Effects Associated with Exposure
- Defense Mechanisms
- Smoking
- Location of ACBM and ACM
- Recognition of Damage
- Emergency Procedures and Contacts
- Rules and Regulations
- Abatement
- Operations & Maintenance (O&M)
- Questions and TEST
Training Requirements

- 2 Hour Annual Awareness Training
- Asbestos-Uses and Forms
- Location of ACBM
- Recognition of Damage
- Names and Telephone Numbers of Program Manager and Emergency Personnel
- 14 Additional Hours for O&M Personnel

www.video.google.com/videoplay?docid=1175739291888112589
WHAT IS ASBESTOS?

- Naturally Occurring Mineral
- Chrysotile, Amosite, and Crocidolite
- >3,000 Building Products
- Surfacing Material, TSI and Miscellaneous
- Desirable Physical Properties
- ACM >1% Asbestos
- Laboratory Analysis
Inhalation Hazard
Must Be Disturbed
Asbestosis
Lung Cancer
Mesothelioma
Latency Period (15 to 40 years)
Risk - Level and Duration of Exposure
DEFENSE MECHANISMS

- Nose and Mouth
  - Mucous Lined Breathing Passages
  - Cilia
SMOKING

- Impairs Body’s Defense Mechanism
- Increased Risk of Lung Cancer
LOCATION OF ACBM

- Surfacing Material
- TSI
- Miscellaneous
- PACM
- Sample Inventory
- Accredited Inspectors
- Periodic Inspections
Before starting a project make sure that asbestos-containing material will not be disturbed

Assume all suspect material contains asbestos

Reference list/contact EH&S

If you encounter suspect material when performing work STOP immediately and contact EH&S before proceeding
RECOGNITION OF DAMAGE

- Friability
- Water Damage
- Delamination
- Deterioration
- Physical Damage
- Minor Incidents
- Major Incidents
EMERGENCY PROCEDURES

- Major Fiber Release (> 3 sq.ft)
- Stop Work Immediately
- Do Not Attempt Clean-up
- Secure Area
- Notify Supervisor
- Contact Emergency Personnel
- Do Not Reenter Area Until Instructed To Do So
RULES AND REGULATIONS

- OSHA
- EPA
- NC Health Hazards Control Unit
- ECU Policy
ACBM MANAGEMENT

- Abatement
- O&M
ABATEMENT ACTIVITIES

- Encapsulation
- Enclosure
- Removal
ABATEMENT ACTIVITIES

- Survey to Identify ACM
- Project Designer
- Occupant Notification
- Work Area Containment
- Posting of Work Areas
- Engineering Controls/PPE
- Air Monitoring
- Accredited Contractor
- ECU Oversight
O&M ACTIVITIES

- In-House Small Scale, Short Duration Projects
- Maintenance or Repair Only
- 160 Square Feet/260 Linear Feet/35 Cubic Feet
- Trained Personnel
- Schedule and Coordinate with EH&S prior to activity (including floor tile and other non-friable material)
Quiz

- What is Asbestos?
- Name 3 Building Materials That May Contain Asbestos?
- Name 3 Diseases Associated With Asbestos Exposure?
- When is Asbestos a Health Hazard?
- What Greatly Increases the Risk of Lung Cancer?
- What Should You Do If You Identify Damaged ACM?
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QUESTIONS?

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