

A person wearing a full white protective suit, including a hood and respirator, is working in a wooded area. They are using a long-handled tool to interact with a large, light-colored metal drum. The drum has a white cloth draped over its top and some equipment inside. The background is a dense forest with many trees and foliage.

The healthAIR Group

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OVERVIEW OF ENVIRONMENTAL HAZARDS AND REGULATIONS

Asbestos Record Keeping

EPA Inspecting Again

- The EPA Region V has conducted two known “random” AHERA regulatory site inspections in Michigan within the past six months.
- EPA Reviewed: Management Plan, 6-Mo. Periodic Surveillances, 3-Yr. Reinspections, Annual Notifications, Response Actions Records and Training Records

Are Your Management Plans in Order?



Another Interpretation

- At a recent informational training session conducted by the State of Michigan's Asbestos Program and NEW floor tile mastic removal interpretation was presented.
- EPA/Removal of mastic with a mechanical buffer deems the material friable. State of MI/Any abrasive removal (mops/brooms) deems the material friable.

Mastic Removal



Regulations Remain

- Certain mercury devices are **STILL** banned in Michigan school district buildings.
- Certain mercury devices are **STILL** allowed in school district buildings
- Mercury is **NOT** banned and kids still bring it in.
- Mercury clean-up/waste costs high.

Mercury Devices



New Hazards

- Mercury-containing 3M Tartan and other manufacturers installed in many school buildings.
- Air monitoring, proper removal and disposal when renovated.

Mercury Flooring



Lead-Based Paint



Concerns for...

- Day Care licensing now requires a risk assessments. This is for new buildings or new licensees.
- (combination of dust sampling, paint sampling and visual inspection to look for lead hazards) This is in all rooms and locations utilized by day care facilities.
- Any buildings or parts of buildings that are regularly occupied by children 6 or under fall under the EPA lead-based paint guidelines.

...our Toddlers.



U.S. vs World

- Substances banned in the U.S. may not necessarily be banned in foreign countries.
- Pesticides and preservative are often found in imported wood.
- Certain chemicals can cause skin rashes and health concerns.

Treated Wood



Lab Regulations

- DOH *Chemical Anti-Terrorism Standard*
- OSHA *Occupational Exposure to Hazardous Chemicals in Laboratories.*
- OSHA *Hazard Communication Standard/Michigan Right-to-Know*

High School Laboratory



When it rains....

...It drains

- Are you in a Michigan Regulated Urbanized Area?
- Next census in 2010.
- Most communities refuse nesting or are discontinuing the process.
- Stormwater programs must have the six minimum measures





Stormwater

Six Minimum Measures

- Public Education Program
- Public Involvement Program
- Elicit Discharge Elimination
- Construction Site Stormwater Management
- Post Construction Site Stormwater Management
- Pollution Prevention and Good Housekeeping Program



Universal Waste Requirements

Think Green

- Proper recycling of mercury-containing fluorescent lamps
- Determination of hazards through sampling
- Knowledge of Green-Tip Lamps
- Others: batteries, electric lamps, pesticides & pharmaceuticals

Common Fluorescent Lamps





Technology Waste

- Computer disposal/recycling
- Monitor disposal/recycling
- Electronic equipment disposal/recycling
- EPA is conducting more enforcement every year

Do Your Part



Random Site Visits

- Waste manifest records
- Waste storage areas
- Proper labeling
- Secondary containment
- Required spill kits
- Employee training
- Storage tanks

Clean-up Your Site





Lead Exposure

- 2 fields in New Jersey have been reported to contain high levels of lead (pigment containing lead chromate has been used to make the grass green)
- US Product Safety Commission is beginning a study
- 3,500 fields currently in US with ~900-1,000 installed every year.

Disposal Concerns





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