



Environment, Health and Safety Department
Facilities Planning & Management
UNIVERSITY OF WISCONSIN-MADISON

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Director

April 11, 2013

FACILITY MANAGERS MEETING

WHY YOU NEED ASBESTOS AWARENESS

- ✗ Understand how to identify floor tiles that may contain asbestos
- ✗ Know how furniture can damage tiles and how refinishing tiles can be a health hazard
- ✗ Identify potential concerns with carpet replacement, mastic removal and carpeting that is placed over floor tiles
- ✗ How inappropriate furniture can damage floors
- ✗ Understand the process for asbestos abatement
 - + Physical Plant needs to be involved
 - + Know who to contact

Chair wheel damage to flooring

Chairs need to have correct wheel type



IMPROPER REMOVAL OF CARPETING OVER ACM FLOOR TILES (NOTICE FLOOR TILES ARE DAMAGED)



LOCATION & IDENTIFICATION OF DAMAGED FLOOR TILES

- ✖ Renovation started but identified by a facility manager as potential asbestos containing material
- ✖ EH&S was called in to properly identify the presence of asbestos



ASBESTOS AWARENESS TRAINING

- ✖ Can be found at the website of the Office of Human Resource Development (OHRD):
<https://www.ohrd.wisc.edu>
- ✖ Can also be scheduled through the Abatement Coordinator- Christopher Heidel (cheidel@fpm.wisc.edu).

Fire damages UW Medical Sciences Center

No one injured in morning blaze

Published On: Feb 28 2013 08:39:20 AM CST Updated On: Feb 28 2013 04:31:51 PM CST

MADISON, Wis. -



A three-alarm fire in the University of Wisconsin Medical Sciences Center at 1300 University Avenue has been extinguished, according to Madison Fire Department spokeswoman Lori Wirth.

The fire was reported after 8 a.m. this morning when fire was spotted on the roof of the building. It was knocked down at 8:44 a.m.

An investigation found the source of the fire in a lab on the fourth floor of the building, according to Wirth. She said crews used thermal imaging cameras to make sure the fire didn't spread.

A water line failure in the ceiling sprayed water into the room where the fire was found, according to Wirth. There were no sprinklers in the area of the fire.

Wirth said extra crews were called in to assist because of the size, age and structure of the building.



PERIMETER
SECURITY

STAGING
AREA



LABORATORY FIRE DAMAGE



Fire Cause & Origin

Fire Spread



WATER, PROPERTY & SMOKE DAMAGE



IMMEDIATE RESPONSE EVENTS

1. Initial events controlled by Madison Fire Department
 - + People safe
 - + Fire response
2. Perimeter security control by UW Police
3. Establishment of Incident Command by MFD
4. Hazmat response team - shared IC
5. EH&S on site/ available for assistance
6. Key faculty and staff contacted and requested to be on site

ON CALL SAFETY OFFICER

- ✗ Have personal identification (visible badge)
- ✗ Know the building's high risk areas
 - + Chemicals, radiologicals, biologicals
- ✗ Know how to read a floor plan
- ✗ Carry a back up phone
- ✗ Know and call your key contacts
- ✗ Introduce yourself to the IC



"IS A CRIME SCENE INVOLVED?"



Post-fire it is imperative that the scene remain intact and undisturbed until the investigation is completed.

Will you need a forensic investigation?

Who makes the call?

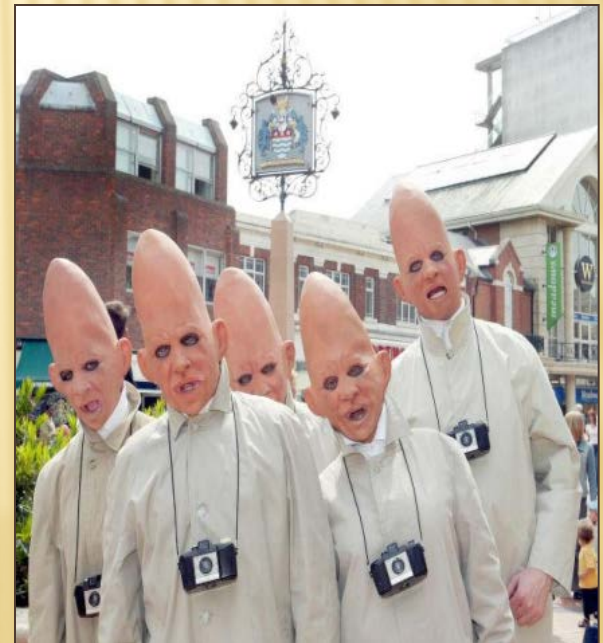
- ✗ MFD
- ✗ UW Police
- ✗ EH&S
- ✗ Insurance carrier
- ✗ Risk management
- ✗ Other

POST-EMERGENCY EVENTS

Building control and access

- + UW Police maintained security
- + EH&S provides controlled access and provides escort services
- + DO NOT REENTER THE BUILDING until declared safe by ____?
- + You are going to have strangers try to enter!

**Be aware of
strangers
w/cameras**



GETTING STARTED WITH REMEDIATION

- ✗ Once the initial investigation is completed and the structure is cleared for re-entry, EH&S assumed control of access. FP&M:
- ✗ Assigned tasks
- ✗ Establish key contacts for picking up the pieces
- ✗ Contracted a restoration company
- ✗ Appointed a media liaison
 - + University and College
- ✗ Started tracking costs (immediately!!)
- ✗ Addressed security concerns immediately
- ✗ Everyone must remember that the site is now a construction location!
 - + 29 CFR 1910 (Occupational Safety and Health Standards)
 - + 29 CFR 1926 (Safety and Health Regulations for Construction)

REMEDIATION RESPONSE

Does your contractor understand the risks associated with cleanup operations?



No!



Yes!

REMEDIATION OF THE EVENT



SALVAGE PRIORITIES

Groups of items:

- + Archives
- + Vital information
- + Employee records
- + Databases
- + Collections
- + Items most prone to damage
- + Materials most likely to be successfully salvaged

What needs to be recovered?

- + Furniture
 - × Wood
 - × Upholstered
- + Textiles
- + Electronic records!!!
- + Books and paper
- + Photographs
- + Framed artwork
- + Research materials!!!
- + Organic materials
- + History specimens
- + Ceramics/Stone/Metal

EVALUATION OF BUILDING SAFETY & ALTERNATIVES

- ✗ Building integrity
 - + What still works and what is off line, determine the extent of damage
 - + Is the building or parts of the building safe for re-entry
 - ✗ Is the fire alarm system active???
- ✗ Research equipment
 - + Inventoried, functionality, movement out of laboratory or building
- ✗ Offices
 - + Access to computers and lesson plans
- ✗ Laboratories
 - + Shut down, loss of equipment
- ✗ Classrooms
 - + Reassignment, class schedule, use of blackboard, transportation
- ✗ Loss of information
 - + Recovery of computers, documents, etc.

"I THOUGHT WE BACKED UP EVERYTHING"?

- ✗ Many institutions have discovered that while they back up their servers or data centers, they've overlooked backup plans for laptops or other portable electronic devices (e.g., memory sticks).
 - + Many fail to realize the importance of data stored locally on laptops
 - + Because of their mobile nature, laptops can easily be lost or damaged
- ✗ It doesn't take a catastrophic event to disrupt operations/business if employees are carting critical or irreplaceable data around on laptops or memory sticks.
- ✗ Develop a contingency or Continuity plan
 - + go to: <http://www.uwpd.wisc.edu/573.htm>

FIRE DEPARTMENT CONNECTIONS (FDCs)



Where are they? The one at MSC was buried under snow!!!

BETTER PREPARATION

- ✗ Post-event, the objective is returning the building to normal use as soon as possible
- ✗ Don't underestimate the complexity of activities at the event scene
- ✗ Length of time research and classroom inactivity can be very long (weeks to months)
- ✗ Consider the consequences of power loss to neighboring areas and buildings
- ✗ Information available to first responders is critical especially the identification of high risk areas
- ✗ Animal care facilities
 - + Logistics during emergency response