Hazardous Waste Management

Hazardous Materials Specialist
Environmental Health and Safety

COLUMBIA UNIVERSITY
Environmental Health and Safety

Hazardous Materials
www.ehs.columbia.edu
Training Outline

- No drain disposal
- Hazardous Materials Management
  - 5 L’s Rule
  - Hazardous Dental Waste
  - Amalgam, Capsules, Teeth
  - Chair Side Traps & Lead Foils
  - Aerosol Cans
  - Used Batteries & Lamps
  - X-ray Film & Silver Recovery
  - Pharmaceutical waste
  - Sharps
No Drain Disposal Policy

All waste must be collected for safe and proper disposal through EH&S.
Hazardous Materials Management: 5 L’s Rule

- Collect
- Label
- Lid
- Locate
- Leaks
Hazardous Materials Management: Waste Management

Types of Hazardous Dental Waste

- Amalgam and capsules
- Chair side traps
- Lead Foil
- Extracted Teeth
- Aerosol Cans
- Batteries
- Sharps
- Chair Side Lamps
- Pharmaceutical waste
  - lidocaine & marcaine carpules
Hazardous Materials Management: Amalgam & Capsules

- Designated collection containers are found at each station utilizing amalgam.

- Amalgam and capsules must be collected in containers shown below.

- Once the chair side containers are full, they must be poured into the 5-gallon pre-labeled amalgam container (located on VC 7th & 8th floor – between work stations).
Hazardous Materials Management: Amalgam & Teeth

ALL extracted teeth, including those containing amalgam, must be placed in non-hazardous waste containers along with a 10% bleach solution (located on VC 7th Floor)
Hazardous Materials Management: Chair Side Traps & Lead Foils

Must be collected after use and placed into the designated 5-gallon or 1-gallon non-hazardous waste containers located on each floor (located on VC 7th & 9th floor)
Hazardous Materials Management: Aerosol Cans

Aerosol cans, even if empty, must have the original cap placed on the can or the nozzle removed (located on VC 8th & 9th floor)
1st Waste Review
Hazardous Materials Management: Used Batteries

OR

No wet chemistry batteries

8th Floor P&S Hallway: between P&S & Black Building hallway
Hazardous Materials Management: Used Lamps

- Chair Lamps and other fluorescent lamps
  - All lamps are recycled due to Mercury content

Bring expired/broken lamps to the Sterilization Room on VC 8th Floor
Hazardous Materials Management: Pharmaceutical Waste

- Epinephrine containing carpules that are **full** or **expired**: Bring to sterilization room or label container on 7th and 8th floor

- Epinephrine containing carpules that are **empty**: Bring to sharps container – located on every floor
Hazardous Materials Management: Pharmaceutical Waste

- Expired or partially used medications may not be discarded in the trash, RMW or down the drain
- CODM Pharmaceutical materials must be managed through the Pharmacy and returned to them after use

**EH&S CANNOT ACCEPT**

DEA Controlled Substances as waste
Sharps

- All sharps must be collected in red, puncture resistant sharps containers, including:
  - Needles
  - Razor blades
  - Dental/orthodontic wire
  - Pipettes and pipette tips
  - Broken glass that has come in contact with blood or bodily fluids
  - EMPTY epinephrine and lidocaine vials

Located on all floors
2nd Waste Review

Hazardous Materials

www.ehs.columbia.edu

2nd Waste Review

8th Floor P&S Hallway: between P&S & Black Building hallway)

Located on all floors
What’s Wrong With This Picture?
What’s Wrong With This Picture?
Thank you!