

#### KENTUCKY DEPARTMENT OF LABOR

Office of Occupational Safety and Health Division of Education and Training



Presented

By

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## KENTUCKY DEPARTMENT OF LABOR

- Office of the Commissioner
- >Office of Occupational Safety and Health
- Office of Labor- Management Relations and Mediation
- Office of Workplace Standards
- Office of...

## OFFICE OF OCCUPATIONAL SAFETY AND HEALTH (OSH)

• Division of OSH Compliance

#### **>**Division of OSH Education and Training

THE DIVISION OF OSH EDUCATION AND TRAINING (organized into 2 branches)

• Safety Training and Consultation

Industrial Hygiene Training and Consultation

### My Life Before OSHA







#### Regulated Waste- Definition 1910.1030(b),

as adopted by KyOSH under 803 KAR 2:320

"Regulated Waste" means liquid or semi-liquid blood or other potentially infectious materials; contaminated items that would release blood or other potentially infectious materials in a liquid or semi-liquid state if compressed; items that are caked with dried blood or other potentially infectious materials and are capable of releasing these materials during handling; contaminated sharps; and pathological and microbiological wastes containing blood or other potentially infectious materials.

## **Regulated Waste**

- Liquid or semi-liquid blood or OPIM;
- Contaminated items that would release blood or OPIM in a liquid or semi-liquid state if compressed;
- Items caked with dried blood or OPIM and are capable of releasing these materials during handling;
- Contaminated sharps; and
- Pathological and microbiological wastes containing blood or OPIM

### Hospital Infectious Wastes (According to NIOSH)

"Infectious wastes include human, animal, or biological wastes and any items that may be contaminated with pathogens."

# Infectious Waste (According to EPA)

A waste that "contains pathogens with sufficient virulence and quantity so that exposure to the waste by a susceptible host could result in an infectious disease."

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# **Medical Waste**

(According to the Medical Waste Tracking Act of 1988)

"any solid waste that is generated in the diagnosis, treatment, or immunization of human beings or animals, in research pertaining thereto, or in the production or testing of biologicals."





#### Regulated Waste Disposal According to OSHA

- Dispose of regulated waste in closable, leakproof red or biohazard labeled bags or containers.
- Dispose of contaminated sharps in closable, puncture-resistant, leakproof, red or biohazard-labeled containers

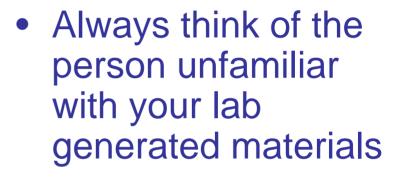


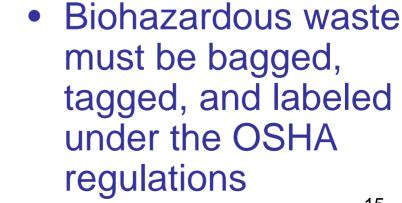




### **BIOMEDICAL WASTE**











#### **Characteristics of Warning Labels**

These labels have to be fluorescent orange or orange-red or predominantly so, with lettering and symbols in a contrasting color.

**Universal Biohazard Symbol** 



Red bags or red containers may be substituted for labels

# Getting Rid of It

It's basically left up to the **generating employer** to determine how it will dispose of the regulated waste it generates. The employer may elect to dispose of its waste in-house and on-site, hire an outside **company** to haul it away, or dispose of the regulated waste in **some other way**. For example, these activities could be shared between the generator, a shipper, and a disposal company. However, the disposal methodology utilized must comply with the Bloodborne Pathogens standard.

Disposal of Regulated Waste 1910.1030(d)(4)(iii)(C)

(C) Disposal of all regulated waste shall be in accordance with applicable regulations of the United States, States and Territories, and political subdivisions of States and Territories.

#### HANDLING, TREATMENT AND DISPOSAL OF BIOMEDICAL WASTES

Incinerating, Autoclaving, or Decontaminating?

- Federal requirements – OSHA, EPA, DOT
- State specific requirements

   Office of the Inspector General
- Acceptable guidelines
   CDC, NIOSH, APIC



# **NIOSH GUIDELINES**

 Recommends that each hospital develop an "infectious waste management plan"

 Compliance with State and local regulations be carefully considered when developing this plan

#### **INFECTIOUS WASTE MANAGEMENT PLAN**

- Destination of the waste that should be managed as infectious
- Segregation of infectious waste from the noninfectious wastes (toxic chemicals, cytotoxic drugs, and radioactive, flammable, and explosive wastes)
- Packaging

#### INFECTIOUS WASTE MANAGEMENT PLAN (continued)

- Storage
- Treatment
- Disposal
- Contingency measures for emergency situations
- Staff Training

# **EXPOSURE CONTROL PLAN**







OSHA <u>Requires</u> that the <u>Containment</u> and <u>Disposal</u> of Regulated Wastes be Addressed in the Facility's Exposure Control Plan.





1910.1030(c)(1)(ii)- The Exposure **Control Plan shall contain at least** the following elements:...(ii)(B)- The schedule and method of implementation for paragraphs...(d)- Methods of Compliance...(d)(4)(iii) Regulated Waste... (Discarding and Containment)...(d)(4)(iii)(C)-Disposal of all regulated waste shall be in accordance with...and Territories.

Disposal of Regulated Waste 1910.1030(d)(4)(iii)(C)

(C) Disposal of all regulated waste shall be in accordance with applicable regulations of the United States, States and Territories, and political subdivisions of States and Territories.

#### **EXPOSURE CONTROL PLAN**

Facility Name:\_\_\_\_\_ Date of Preparation:\_\_\_\_\_

In accordance with the OSHA Bloodborne Pathogens standard, 29 CFR 1910.1030, as adopted by 803 KAR 2:320, the following exposure control plan has been developed: ...

**REGULATED WASTE DISPOSAL** 

All contaminated sharps shall be discarded as soon as feasibly possible in sharps containers which are located in the facility. Sharps containers are located in (specify locations of sharps containers)

Regulated waste other than sharps shall be placed in appropriate containers. Such containers are located in (specify locations of containers).

### **THE BOTTOM LINE !**

All employees who are exposed or have potential exposure remain protected from the hazards associated with the work performed.

## **HELPFUL WEBSITES**

- http://www.cdc.gov/od/ohs/pdffiles/autoclave1.pdf
- http://www.cdc.gov/niosh/hcwold6.html
- http://cms.h2e-online.org/ee/rmw/state-rmwregulations/kentucky
- http://www.osha.gov/pls/oshaweb/owadisp.show\_ document?p\_table=STANDARDS&p\_id=10051