

# UFHP Biomedical Waste Training Clinic Safety

Environmental Health and Safety

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# **Overview**

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- b. Comparison to other wastes
- c. Symbols

#### II. Handling of Biomedical Waste

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- b. Segregation
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#### III. Pickup/Transport of Biomedical Waste

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#### What is Biomedical Waste?

#### Identification

- Any solid or liquid waste which may present a threat of infection to humans, including nonliquid tissue, body parts, blood, blood products, and body fluids from humans and other primates; laboratory and veterinary wastes which contain human disease-causing agents; and discarded sharps.
- Abbreviated as BMW
- Examples:
  - a. Absorbent materials that are saturated with blood, blood products, bodily fluids, or excretions/secretions.
  - b. Non-absorbent materials or devices that are contaminated with blood, blood products, bodily fluids, or excretions/secretions.



#### What is Biomedical Waste

#### **Comparison**

- **Pharmaceutical Waste** Drugs or drug products that can no longer be used due to being expired, unused, spilled, withdrawn, recalled, damaged, contaminated (not by biological means), or for any other reason.
- **General Waste** Waste that has not come in contact with drugs, drug products, or biological materials, aka trash.
  - a. Examples: Coffee Cups, gloves, packaging and wrappers, medical records, patient note, etc.



#### What is Biomedical Waste?

# **Symbols**

- All Biomedical waste must be identified with a biological hazard symbol.
- The phrase, "Biomedical Waste", must also be on the container. There are also other phrases such as: "Biohazardous Waste", "Biohazard", "Infectious Waste", or "Infectious Substance".
- All BMW must be in a red container (bag, sharps container, etc).



#### Handling of Biomedical Waste

# **Personal Protective Equipment**

- Always wear appropriate PPE for handling BMW.
  - a) If unsure, consult with your supervisor/manager, or ask EH&S!
  - b) Examples of PPE: Gloves, Lab coats, Safety Glasses, clothing
- Always wash your hands immediately after handling BMW.
- When picking up broken glass or other contaminated sharp objects use forceps or tongs.



# Handling of Biomedical Waste Segregation

- Segregate BMW at the **Point of Origin** into a proper container.
  - a) Point of Origin area where BMW is generated. For example: exam of procedure room, labs.
  - b) BMW containers should be available where needed.
    - i. Red bag lined boxes or cans
    - ii. Sharps container
    - iii. Labeled fiberboard lined with red biohazard bag



#### Handling of Biomedical Waste

#### **Sharps**

- Medical Sharps must **always** go into an approved sharps container. An approved container will be leak-proof and puncture resistant.
  - a) Examples: Needles, syringe/needle combos, lancets, and scalpels.
  - b) Discard **directly** into the sharps container **NEVER** re-cap needles or syringes.
  - c) Close the sharps container once ¾ full **NEVER** attempt to re-open a close container.
- Never placed soft items into a sharps container.
  - a) Soft items may overfill the container quickly, and cause sharps to stick out of the top of the box.
  - b) Sharps boxes containing items other than medical sharps and syringes must be disposed of within 30 days of first use.



# **Handling of Biomedical Waste**

# **Spills and Cleanup**

- Pick up any solid material use forceps, tongs, etc. if necessary.
- Disinfect the area with an appropriate and approved material.
- Absorb any liquid with paper towels or other absorbents.
- All spill clean-up materials will go into a red bag for disposal.



## **Packaging and Disposal**

- Use **Clear** Tape.
- The Liner bag must be stamped with certifications.
- Bags must be tied as shown.
- Outer bags must be labeled.



\*Black tape is used for demonstration purposes only. All boxes must be taped with CLEAR tape.

For more information, please contact the Biological Safety Office at 352-392-1591.

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#### Storage

- BMW storage areas must be:
  - a) Labeled with biohazard or "authorized staff only" sticker
  - b) Secure (locked or non-accessible)
  - c) Easily cleanable & tidy (no carpet)
- Do not store waste longer than 30 days.
  - a) "The 30 day period shall commence when the first non-sharps item of biomedical waste is placed into a red bag or sharps container, or when a sharps container containing only sharps is sealed."
- Be sure boxes are appropriately labeled, not leaking, and not overfilled.
  - a) Max weight of a Stericycle box is 55 lbs.
  - b) If you transport your waste yourself, you may move <u>less than 25 lbs</u> at one time. This must be logged into the records at the originating clinic.



#### **Transport**

• Stericycle is contracted to pick up/transport BMW for UFHP.

Stericycle, Inc.
4245 Maine Ave
Eaton Park, FL 33840
(407)361-5454
State of Florida Permit # 53-64-00911

• Stericycle has numerous facilities and has their own redundancy in case one disposal facility breaks down or is closed due to severe weather, etc.



#### **Record Keeping and Retention**

- Clinics in SUF and the Medical Plaza will have all pick-up manifests, records, and permits acquired by and retained by <u>Shands Environmental Services</u>.
- All other clinics will have their permits renewed automatically and distributed by the <u>Clinic Safety Officers</u>.
- Stericycle will leave a pick-up receipt/manifest at the Orthpaedic Institute and Community-based clinics. These must be **maintained for inspection for 3 years**.



# State Regulations for Biomedical Waste

- All regulations come from chapter 64E-16, F.A.C.
  - a) Segregation, handling, labeling, storage, transport and treatment of wasted are regulated.
  - b) Training initial & annual.
    - i. Staff who will be generating or handling BMW must be trained before starting work and annually thereafter.
    - ii. Training records must be kept a minimum of 3 year.
    - iii. Training documentation form must be signed.
- Permits are required to generate or store BMW.
- Inspections are performed by the state Dept. of Health.
- Site-specific Biomedical Waste Plan (provided for each clinic).
  - Includes a copy of the state regulations (64E-16), disposal manifests, training records, and inspection records.
- Enforcement
  - Suspend/Revoke permits
  - Fines of up to \$2500 per day, per violation.



#### **SUF and SMP**

- Front reception areas will have a copy of their building wide DoH BMW Generators Permit.
- Clinic staff have the responsibility to segregate waste properly and to ensure bags are safe to handle.
- Shands Environmental Services staff will remove BMW in red bags and sharps boxes from exam and procedure rooms.
- BMW is taken to the red containers at loading docks for Stericycle removal.



#### Springhill 1 & 2

- Front reception areas will have a copy of their building wide DoH BMW Generators Permit.
- Clinic staff will have the responsibility to segregate waste properly and to ensure bags are safe to handle.
- Clinic staff will remove BMW in red bags and sharps containers from exam room and procedure rooms.
- BMW will be taken to soiled holding rooms for removal via environmental services.



#### Clinics at the Orthopaedic Institute

- Orthopaedic clinics should have a copy of their DoH BMW Generators Permits.
- Clinic Staff have the responsibility to segregate waste properly and to ensure bags are safe to handle.
- Clinic staff will remove red bags and sharps containers, and will box these themselves in the clinic.
- UF Facility services, building services, staff will remove sealed and labeled Stericycle boxes from storage rooms.
- BMW is taken to the red shed at the loading dock for Stericycle removal.



# **Community-Based Clinics**

- Each Clinic should have a copy of their DoH BMW Generators Permit.
- Clinic staff have the responsibility to segregate waste properly and to ensure bags are safe to handle.
- Clinic staff will remove BMW in red bags and sharps boxes from the exam and procedure rooms.
- BMW is taken to storage rooms or outside storage boxes for Stericycle removal.