

- 4.12. **Waste Storage** refers to temporary storage for hazardous medical waste at a specific collection site.
- 4.13. **Waste Treatment and Disposal Facilities** refer to facilities in which the operations of changing biological, chemical or physical characteristics of healthcare waste are carried out for elimination of hazards, for safe use in the environment and to health.

## 5. PROCEDURE

### 5.1. Infectious Waste Management

#### 5.1.1. Requirements from the Generators of Infectious Medical Waste

- 5.1.1.1. Infectious medical waste generators will make efforts to reduce the level of generation of this waste, both in quantity and quality.
- 5.1.1.2. **Empty Glass Medicine Bottles** will be disposed of in yellow sharp containers.
- 5.1.1.3. **Empty Non-Contaminated Unbroken Glass Bottles** (e.g. beverage bottles) will be disposed of in a separate container until collected in cardboard boxes by housekeeping staff for disposal and to be considered as non-regulated waste.
- 5.1.1.4. **Empty Vaccine and Antibiotic Containers or Bottles** will be disposed of in a biohazard sharps container.
- 5.1.1.5. **Broken Glass** will be disposed of in a sharp container.
- 5.1.1.6. **IV Tubing and syringes** will be disposed as per (Appendix D)
- 5.1.1.7. **Wastes from patients on isolation will be disposed as per (Appendix C)**
- 5.1.1.8. **List of patients care related waste items and where to dispose are provided in (Appendix E).**

#### 5.1.2. Segregation and Disposal of Infectious Medical Waste:

- 5.1.2.1. Each Infectious medical waste generator will segregate Infectious from non-Infectious waste at the generation site. The waste generator will be responsible for segregation and collection of waste in containers specially made for this purpose within Program facilities and departments.
- 5.1.2.2. **Infectious Waste** will be collected in yellow plastic bags bearing the phrase **Hazardous Medical Waste** (in Arabic and English) along with the Bio-Hazard logo.
- 5.1.2.3. **Sharps Waste** will be disposed of in yellow thick, leak proof, puncture proof containers, bearing the phrase **Hazard-Sharp Items** (in Arabic and English) and the Bio-Hazard logo.
- 5.1.2.4. **Body Parts and Organs** will be placed in red plastic bags bearing the phrase **Bio-Hazard** (in Arabic and English) and the Bio-Hazard logo, and will be stored in the mortuary until dealt in accordance to Sharia Law (Islamic Law) or as deemed necessary by the relevant country.
- 5.1.2.5. **Highly Infectious Waste** (microbial cultures, viruses, TB, Brucella, Fungi) will be collected in plastic bags suitable for pre-treatment with autoclave within the generation site; these bags will bear the phrase **Highly Infectious Waste** and the Bio-Hazard logo. Following treatment, waste will be placed in yellow bags bearing the phrase **Hazardous Medical Waste** (in Arabic and English) and the Biohazard logo. (Appendix A) and (Appendix B).

#### 5.1.3. Sticker Labeling and Biohazard Logo



- 5.1.3.1. Infectious medical waste generator will attach a sticker to the containers and waste bags (if information is not printed or provided) prior to their transportation to stores within facility or Waste Treatment and Disposal Facility. The stickers will contain the following data:
- 5.1.3.1.1. Waste generator name (facility name)
  - 5.1.3.1.2. Site name (section or ward)
  - 5.1.3.1.3. Generated waste type as per its classification.
  - 5.1.3.1.4. Weight and quantity of waste in the bag/container
  - 5.1.3.1.5. Date and time of collection
  - 5.1.3.1.6. Transportation date and time to the disposal facility.
- 5.1.3.2. All labelling stickers attached to bags/containers will be of the proper size and written/printed in waterproof and permanent ink.
- 5.1.3.3. The Bio-Hazard logo or other labeling requirements will be affixed to bags/containers as specified in the Labeling Requirements (Appendix F).
- 5.1.3.4. **Collection/Transportation**
- 5.1.3.4.1. The collection and transportation of bags/containers of Infectious medical waste requires the use of special trolleys and well-trained staff in order to guarantee the highest degree of safety during collection or transportation within the facilities, for prevention of leaks or spills from bags/containers.
  - 5.1.3.4.2. Healthcare workers who transport such waste will be trained on such tasks and on spill management.
  - 5.1.3.4.3. Prior to the collection and transportation of Infectious waste, bags/containers will be fully sealed and locked, and display the appropriate data sticker identifying content, as well as proper hazard identification and its related labeling, including the Bio-Hazard logo.
  - 5.1.3.4.4. Waste bags will not be filled to more than 3/4 of their capacity and will not be pressurized or compacted. Waste bags will not be held close to the collector's body or be held from underneath. Bags will only be held at the top for safe handling.
  - 5.1.3.4.5. Infectious waste will be transported within the facilities in covered, specially designed leak proof trolleys that guarantee efficiency on loading and unloading and are easy to clean or disinfect.
  - 5.1.3.4.6. Tissue, human body parts, fetal and placental organs will be segregated and collected in red bags and stored in the mortuary in a special refrigerator until burial in accordance with Sharia Law (Islamic Law).
  - 5.1.3.4.7. Animal carcasses and animal tissues will be collected in yellow bags and kept isolated in a special fridge until they are treated and disposed of.
  - 5.1.3.4.8. Trolleys for collecting and carrying hazardous medical waste will be cleaned, washed and disinfected on a daily basis in special location by trained staff under the supervision of the person responsible for hazardous medical waste within respective facilities.
  - 5.1.3.4.9. In cases where there is an incident of Infectious waste spill or leak from plastic waste bags, containers or trolleys, such waste is considered extremely



hazardous and requires immediate action. Cleaning, disinfection and safety measures including the use of appropriate protective clothing or equipment will be taken when and where leakage is identified.

- 5.1.3.4.10. Non-hazardous medical waste will be collected in black plastic bags. Such waste will be treated separately and segregated from hazardous medical waste in all stages (packaging, collection and transporting inside the facilities and storage) until transported to the final disposal destination landfill (e.g. municipal landfill).

**5.1.4. Requirements from the Infectious waste generator when transporting waste outside the location:**

- 5.1.4.1. Infectious waste will be packed and labeled correctly in accordance to articles 5.1.2 and 5.1.3
- 5.1.4.2. Only licensed personnel or competent parties will be authorized to deliver Infectious waste
- 5.1.4.3. Any Infectious waste being delivered for transport outside the institution will submit a copy of the completed Hazardous Medical Waste Manifest Form to the Waste Treatment and Disposal Facility identifying the type of waste delivered for disposal.
- 5.1.4.4. Infectious waste will only be delivered to a Waste Treatment and Disposal Facility with a current valid license obtained from a competent authority
- 5.1.4.5. Related Hazardous Medical Waste Manifest Form and other related documentation will be archived for a period of ten (10) years.

**5.1.5. Operative Record Required:**

- 5.1.5.1. The generator of Infectious waste will comply by providing reports on all related aspects of hazardous medical waste, such as data of waste generation, storage, transportation and disposal.
- 5.1.5.1.1. The generator will provide a copy of these reports periodically to all relevant parties when requested.
- 5.1.5.1.2. The Waste Treatment and Disposal Facility operator will maintain a documented operative record of the following information:
- 5.1.5.1.3. Description of the quality and quantity status of each shipment delivered and the name of the generator stated in the Hazardous Medical Waste Manifest Form receiving date and treatment date
- 5.1.5.1.4. A copy of all Hazardous Medical Waste Manifest Forms.
- 5.1.5.1.5. Any other records considered by the competent parties as necessary to keep.
- 5.1.5.1.6. The Waste Treatment and Disposal Facility operator will submit the following reports:
- 5.1.5.1.7. Monthly reports which include the quantity of waste delivered daily from each generator individually and the name of its generator, transporter/carrier, when required by the competent body

