

JOB ROLE – ASSISTANT FASHION DESIGNER

Sector – Apparel, Made-Ups and Home Furnishing
(Qualification Pack Code: AMH/Q 1210)
Class XI



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Unit 4 : HEALTH AND SAFETY RELATED PRACTICES APPLICABLE AT WORKPLACE

**Session 3: Guidelines for proper storage
and disposal of waste material**

Content

Title	Slide No.
Session Objectives	4
What is textile waste?	5
Guidelines for storage and disposal of waste	7
Potential Hazards associated with machines and safety precautions	20 21
Summary	

Session Objectives

The students will be able to:

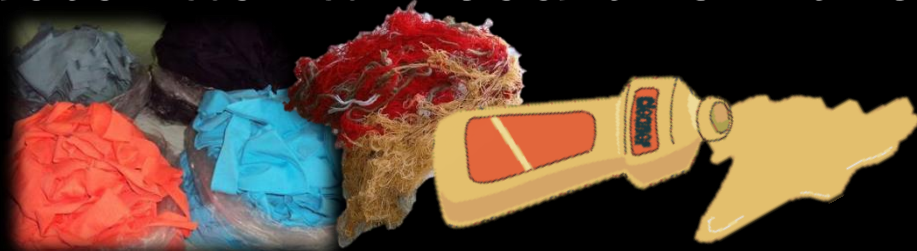
- Gain knowledge of waste management, responsibilities under health, safety and environmental legislation.
- Explain about guidelines for storage and disposal of waste, methods of waste disposal, hazards associated with machines and their prevention.

WHAT IS TEXTILE WASTE?

Waste generated by textile and apparel industry is called textile waste.

Fabric scrap, threads, packaging material of fabrics, accessories, and chemical wastes are the main waste material generated during the apparel production process.

Different departments generate a variety of waste products as a result of their activities.



WASTE GENERATED IN DESIGN DEPARTMENT

The waste generated in design department includes the following:

• Rejected and waste fabric swatches

• Empty Thread reels, fabric rolls

• Broken hand and machine needles

• Rejected trims, and fasteners, buttons

• Broken and degraded items like Bobbins, oil cans, old machine belts

• Waste paper and sketching material

• Leftover pieces of laces and cords

GUIDELINES FOR STORAGE AND DISPOSAL OF WASTE MATERIAL

- A systematic approach should be followed for the storage and disposal of waste material so that they don't pose a threat to humans and the environment.
- Compliance managers, site supervisors as well as shop floor workers, everyone needs to be very careful while dealing with factory waste, especially chemical waste.

- Waste needs to be segregated, stored, and then disposed off.
- Special precautions should be taken while disposing chemicals.
- Disposal of the waste should be done on a preplanned basis and in a scheduled manner like a daily, weekly, or monthly basis as requisite.



Segregation of waste

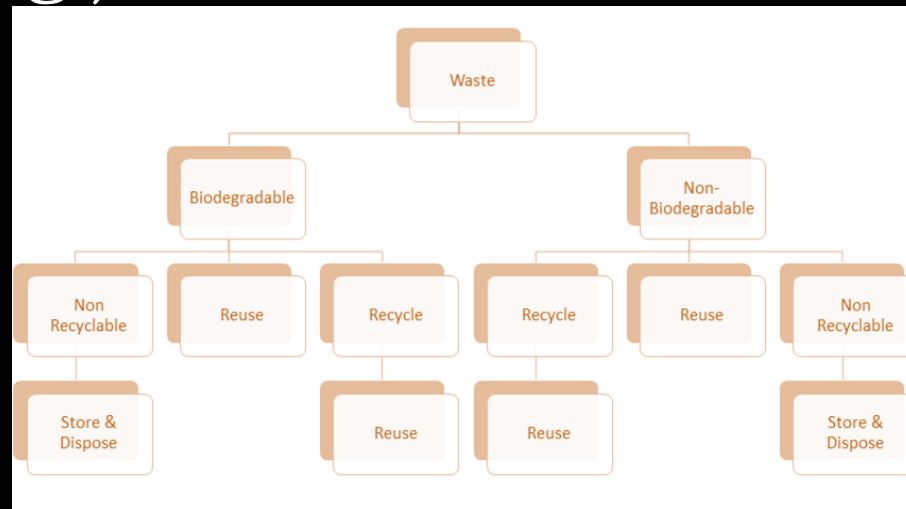
Before disposal of waste, it is important to classify and segregate waste into categories.

To classify the waste, the following things have to be kept in mind -

- Is waste biodegradable or not?
- Can it be recycled or reused?
- Does the waste require any treatment before disposal?

Some of the waste cannot be immediately disposed off, it needs to be collected at a designated spot before disposal.

Once the waste is stored at the designated spot, it must be recycled keeping in mind source, condition, composition, and resale value. (This is referred to as Textile Recovery and Recycling.)



The various guidelines for safe storage and disposal of waste are as follows:

Staff needs to be adequately trained

Clear demarcation of the designated spot

Restricted entry at the spot

Set a defined process for cleaning and storage

Specific time allocation in the working hours

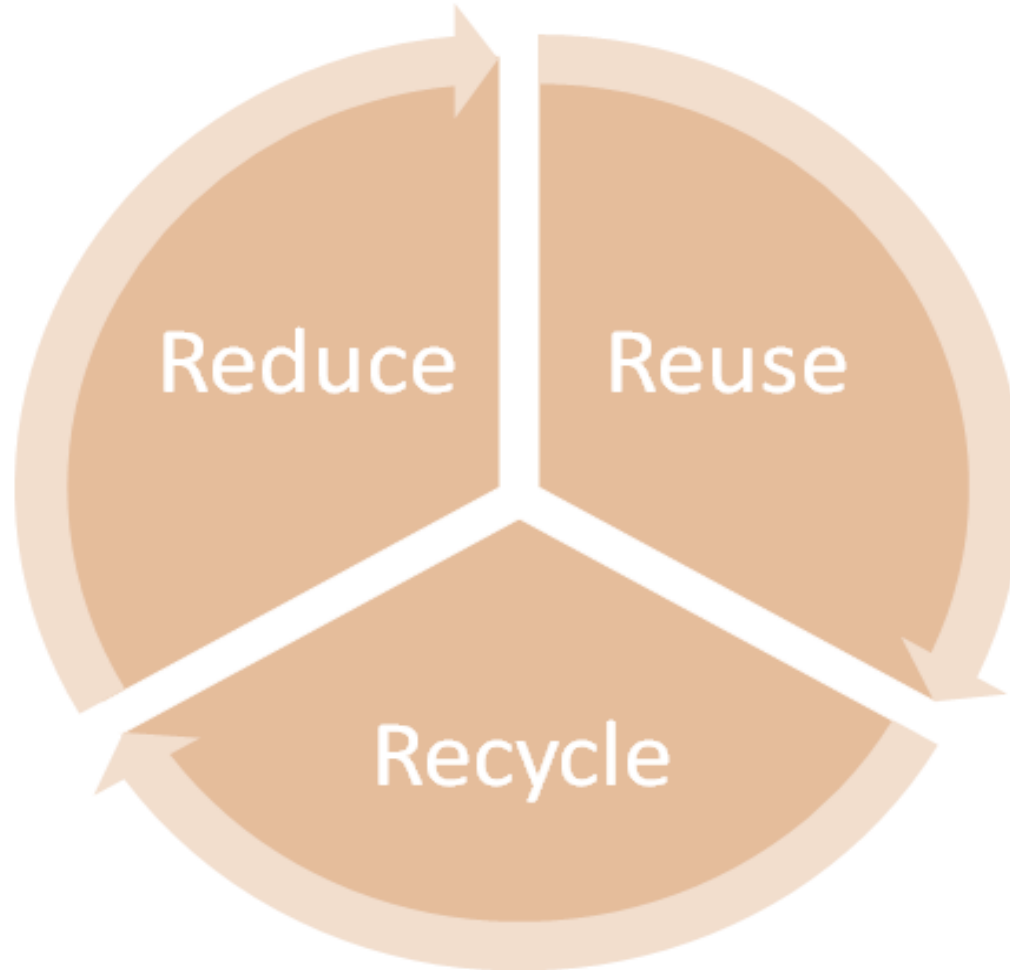
Methods of Waste Disposal

The methods of Waste disposal apart from recycling are:

- Disposal at Landfills
- Incineration

Since the above-mentioned procedures again lead to a vicious trap of health hazards, the norms laid under the legislation guide us to follow the 3Rs model.

3R's Model of Waste Disposal



RESPONSIBILITIES UNDER HEALTH, SAFETY, AND ENVIRONMENTAL LEGISLATION

Environment health and safety is a primal tool in reducing and preventing health issues, emergencies and accidents at work, together with any environmental damage which could consequence from work practice.

Environment Health and Safety consists of all processes, guidance, rules and laws structured to help protect the environment , the public and employees from harm.

The focus of the EHS is to reduce carbon footprint of business and manage waste keeping in mind the general safety and health of the workers.

Motive of Environment, Health & Safety Department

- Protection of workers from various hazards and natural environment

- . Strict compliance and adherence with regulatory standards and legal requirements

- . To improve the morale of the workers thereby increasing profit and productivity in the long run

Environmental, Health, and Safety Legislation

It plays an important role in the overall management of the organization by the provision of a safe working environment to ensure an increase in both profits and productivity.

Following are are several responsibilities of the legislation-

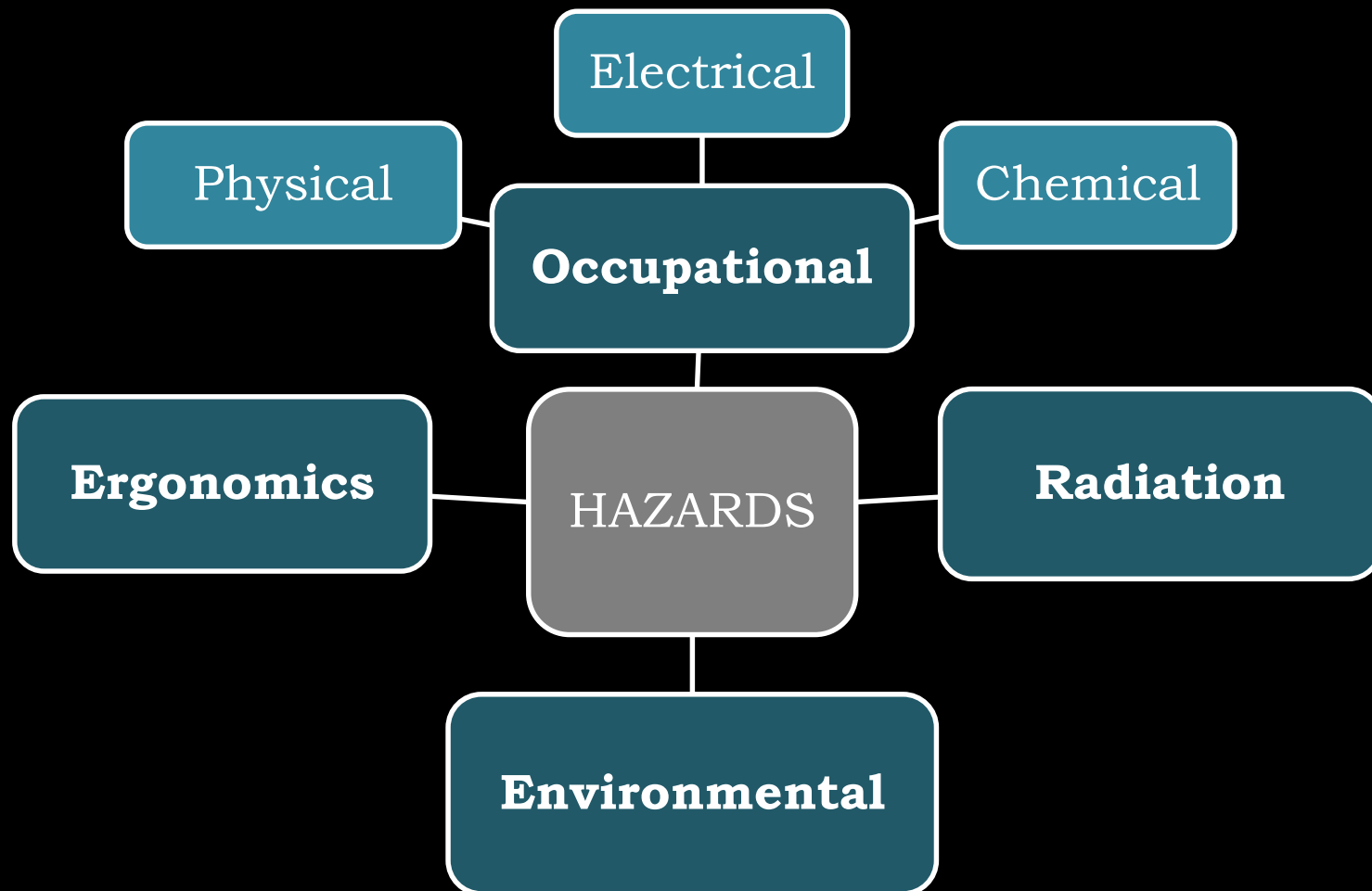
- To ensure proper implementation of laws and regulations .

- To ensure development and implementation of all safety and health programs in the company.
- To ensure right protective measures are applied to ensure workers safety .
- To lower injuries risks by supervision of dangerous procedures.
- To ensure timely communication of hazards by having systems in place.
- To perform risk assessment at the workplace.

- To review and align environmental policies from time to time, advocating progress in all arenas.
- To design and develop a book of general safety rules.
- To ensure proper training of workers on the use of their respective working machines, equipment or chemicals.
- To enable proper inspection of equipment before use and proper maintenance.

HAZARDS ASSOCIATED WITH MACHINES

The various hazards are as follows:



PREVENTION OF HAZARDS

The various hazards could be dealt with by using the various control methods:

To install in place personal protective equipment to prevent injuries during operations.

.To develop administrative control to alter how people work by devising new rules and procedures.

.To set in place engineering controls to isolate workers from hazards by structuring the workspace in a more secure manner.

.To substitute harmful substances with those having least harmful effects to avoid hazards.

.To eliminate substances which might involve physical hazard.

Summary

In this session you have learnt about waste management, guidelines for storage and disposal of waste, methods of waste disposal, responsibilities under health, safety and environmental legislation, hazards associated with machines and their prevention.

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