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Chapter 11.13 Waste Disposal

11.13.1. Introduction

This chapter addresses the handling, packaging, labeling, and disposal of all ACM and asbestos-contaminated waste generated on site. Disposal of the ACM or asbestos-contaminated waste generated by JSC activities shall follow the Texas Administrative Code, Title 30 Environmental Quality, Part 1 Texas Commission on Environmental Quality (TCEQ), Chapter 330 Municipal Solid Waste, Subchapter F, Operational Standards for Solid Waste Land Disposal Sites, Rule 330.171, Disposal of Special Wastes (30 TAC 330.171).

11.13.2. Types of waste

11.13.2.1 In addition to the actual ACM removed during an asbestos-related job or abatement, asbestos workers shall also dispose of a number of other materials and items as asbestos-contaminated waste. These include, but are not limited to, the following:

- a. Cloths and mops used during wet-cleaning operations.
- b. Disposable coveralls, hoods, booties, and other clothing items worn in the work area, unless they can be completely decontaminated using a HEPA-filtered vacuum. Clean work shoes and boots at the end of the project, but they must be removed and stored in labeled plastic bags between projects.
- c. Contaminated respirator filters and towels used by workers after showering.
- d. Ceiling tiles taken from suspended ceilings where friable asbestos was applied above the tile, unless properly decontaminated.
- e. All plastic sheeting used for critical barriers, airlocks, decontamination chambers, and area containments.
- f. Excess wastewater generated from wet-wiping or -mopping, along with shower wastewater from the decontamination chamber. JSC permits wastewater to be discarded into a sanitary drain if it has first been filtered to a no-greater-than 5-micron particle.
- g. All air and water filters used in control devices.

11.13.3. Waste handling procedures

11.13.3.1 Asbestos workers shall follow these requirements for handling asbestos waste:

- a. Package all asbestos waste for disposal using one of the following sealed, leak-tight methods:
 - (1) Double-bagged in at least 6-mil clear or transparent polyethylene bags
 - (2) Sealed in plastic-lined cardboard or metal or fiber drums, boxes, or containers meeting U.S. Department of Transportation (DOT), TCEQ, and TDSHS specifications
 - (3) Double-wrapped in at least 6-mil polyethylene sheeting (e.g., for the removal of ACM-contaminated components or piping)
- b. Wet asbestos waste, scrap, debris, bags, containers of asbestos-contaminated equipment, clothing, vacuum cleaner bags, filters, etc., consigned for disposal with amended water until

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the waste, etc., is sufficiently wet and to prevent emission of airborne fibers if the container were to break open.

- c. When waste is double-bagged in 6-mil plastic bags, use a HEPA-filtered vacuum to remove excess air from the bags.
- d. Do not fill bags so that the neck of the bag cannot be tightly gathered, folded over, and securely taped or so that the weight of the bag is too heavy for one person to carry.
- e. Cut ACM-containing sharp edges to size, including wire-lath ceilings, and adequately wet and package in a manner to prevent penetration or puncture of the container seal.
- f. Filter all asbestos-contaminated water collected from wetting, cleaning, or decontamination to a no-greater-than 5-micron particle size before disposal in the sanitary sewer.
- g. If a separate waste-removal airlock system is installed in an enclosure, construct it like a decontamination chamber, using double 6-mil polyethylene plastic floors and walls and triple door flaps. Keep the entrance to this airlock tightly sealed until the airlock is to be used for the transfer of waste material. Attach a JSC Form 1161, "Pick-up Request for Industrial Solid Waste(s)," to each package, bag, or container of asbestos waste materials.

11.13.4. Labeling waste containers

11.13.4.1 Asbestos workers shall follow these requirements for asbestos waste containers:

- a. Label waste packages, bags, and containers with the following:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATH DUST
AVOID CREATING DUST

- b. Bags may be preprinted or separate labels affixed to the bags. In all instances, label bags before filling them with waste materials. Assume anything placed into an ACM-labeled bag is ACM or asbestos-contaminated waste and dispose of accordingly.
- c. The generator of the asbestos waste shall additionally mark all waste containers with the generator's name, organization, and removal location, and shall attach the JSC Form 1161.

11.13.5. Disposing of asbestos waste

11.13.5.1 To properly dispose of asbestos waste, asbestos workers shall:

- a. Properly package and label waste asbestos materials generated by JSC organizations and support contractors and dispose of them by calling the Environmental Information Line,

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x36207. Make note of the Waste Pickup Ticket number assigned by the Environmental Office on the Asbestos Work Permit.

- b. For Construction of Facilities and other large asbestos abatement projects, make special arrangements through the JSC Environmental Office (JE) Environmental Information Line at x36207 for lined, roll-off containers in which to accumulate the packaged asbestos waste.