PLAINTIFF'S EXHIBIT

UC-3358

MAINTENANCE PROCEDURE

UNION CARBIDE

PLANT 512

MAINTENANCE DEPARTMENT

No: MSP 329
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Effective: 10-16-78

PROTECTION AGAINST BREATHING ASBESTOS

1.0 PURPOSE

To protect workers and others from inhalation of asbestos fibers, to safely remove and dispose of insulation materials which contain friable (easily crumbled or crushed into powder) asbestos and also to specify appropriate notification to regulatory agencies.

2.0 RESPONSIBILITY

Responsibility rests with the appropriate first-line supervisors and craftpersons to control the safe removal, disposal and notification activities at Location 512.

3.0 PROCEDURES

3.1 Overlap of EPA and OSHA Regulations

The regulations do overlap some as the OSHA objective is protection of workers and others directly involved; the EPA objective is protection of people everywhere. These procedures consider all regulations for each agency - EPA and OSHA.

3.2 Personnel Engaged in Asbestos Work

3.2.1 Respirators must be worn where asbestos is present as follows:

Normal exposure - 3M respirator No. 8710
Heavy exposure - supplied air respirator

3.2.2 Personnel engaged in asbestos work shall make every effort to minimize air-borne particles.

3.2.3 Clothing that has been worn in asbestos dust shall be stored separately from uncontaminated clothing and shall be put in plastic bags, sealed, and appropriate warning tags (or printing on bag) (3.7.1) applied for laundry.

3.2.4 Lockers and change rooms shall be utilized so as to minimize exposure to asbestos. Two lockers for each man are required - one for clean clothing and one for contaminated clothing.

3.3 Work Area Identification

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3.3.1 Perimeter of Hazardous area shall be identified with yellow barricade tape.

3.3.2 Warning signs (3.7.1) shall be posted at 50-foot intervals along barricade tape.

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PROTECTION AGAINST BREATHING ASBESTOS

3.0 PROCEDURES - continued

3.3.3 Drop cloths are required on grating to catch falling debris.

3.3.4 Area Cleanup shall be by wet or vacuum method - never use air, brooms, or brushes. Waste shall be put in plastic bags, sealed, and warning tags (or printing on bag) - (3.7.2) applied.

3.3.5 Notification of time and place of large asbestos jobs shall be provided by job supervisor to Industrial Hygiene Department.

3.4 Removal of Insulation

3.4.1 Removal prior to demolition is required if excessive dusting is expected.

3.4.2 Insulation shall be wetted prior to removal and kept wet during removal, including that on equipment to be dismantled in sections exposing the broken edges of insulation.

3.4.3 Loose insulation stripped from equipment, pipe, etc., shall not be dropped or thrown to the ground.

3.4.4 Loose insulation shall be placed in plastic bags sealed and tagged (3.7.2) prior to disposal.

3.5 Disposal

3.5.1 Disposal area requirements (By the Environmental Protection Department.)

a. Six inches of earth cover is provided over disposed insulation within 24 hours.

b. The area is fenced and warning signs (3.7.1) are posted at 330-foot intervals.

3.6 Notify Environmental Protection Department of annual amounts of insulation to be removed. (By Maintenance Department Heads for Central Insulators)

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PROTECTION AGAINST BREATHING ASBESTOS

3.0 PROCEDURES - continued

3.7 Warning Communications - Signs, Tags and Bags

3.7.1 Signs for posting work areas and disposal sites are available through Safety Supply. They comply with OSHA copy, letter size, sign color, size, etc.

Asbestos Dust Hazard

Avoid Breathing Dust

Wear Assigned Protective Equipment

Do Not Remain In Area Unless Your Work Requires It

Breathing Asbestos Dust May Be Hazardous To Your Health

3.7.2 Tags and bags for insulation waste and contaminated clothing are available in Stores. They also comply with OSHA regulations regarding copy, letter size, size of tag, color, etc.

CAUTION

Contains Asbestos Fibers

Avoid Creating Dust

Breathing Asbestos Dust May Cause

Serious Bodily Harm

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