PLAINTIFF'S EXHIBIT
UC-1085

UNION CARBIDE CORPORATION
Solvents and Coatings Materials Division
Texas City, Texas

SUBJECT: REMOVAL AND HANDLING OF ASBESTOS CONTAINING INSULATION MATERIAL

1.0 PURPOSE

R 1.1 To protect the health and safety of employees directly involved and others who may be exposed to dust/fibers in the immediate area of asbestos-containing insulation material removal or demolition.

R 1.2 To provide a standard method of safe removal and handling of asbestos-containing insulation material in compliance with Plant Procedure I-B-8 and OSHA 19 CFR 1910.1001.

A 1.3 To provide a standard method of disposal of asbestos-containing insulation material from the plant, in accordance with E.P. Department guidelines.

2.0 SAFETY

R 2.1 Breathing asbestos dust may be harmful.

3.0 EXPOSURE LIMITS

3.1 Employee 8-hour time-weighted average exposure to airborne concentrations of asbestos fibers shall not exceed two (2) fibers, longer than 5 micrometers, per cubic centimeter of air.

3.2 No employee shall be exposed at any time to airborne concentrations of asbestos fibers in excess of 10 fibers longer than 5 micrometers, per cubic centimeter of air.

4.0 PROCEDURE

R 4.1 Caution signs will be posted at all approaches to areas where removal, demolition or handling of asbestos-containing insulation material is being performed.

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4.1.1 The signs will conform to 20" x 14" vertical format.

4.1.2 The signs will state:

ASBESTOS
DUST HAZARD
BREATHING ASBESTOS DUST MAY BE HAZARDOUS TO YOUR HEALTH
AVOID BREATHING DUST
WEAR ASSIGNED PROTECTIVE EQUIPMENT
DO NOT REMAIN IN AREA UNLESS YOUR WORK REQUIRES IT

4.2 An appropriate barricade, using colored tape for example, will be erected around the perimeter of outdoor areas as a supplementary, protective measure to discourage unauthorized entry.

R 4.3 Insofar as practicable, demolition, removal or handling of asbestos-containing insulation will be performed while the material is in a sufficiently wet state to prevent emission of airborne fibers exceeding the exposure limits.

R 4.4 Removed insulation will be wetted and placed directly into labeled plastic bags or other suitable containers.

R 4.5 In cases where this is not practicable, place plastic sheeting beneath the job site, mist spray the removed insulation with water, then place in plastic bags.

R 4.6 When temperatures are below freezing, vacuuming or sweeping will serve as an effective alternate cleanup method. Sweeping compound will be applied to the work area to prevent dust generation when sweeping.

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R 4.7 Containers used for disposing of removed insulation will bear a caution label readily visible and legible which states:

CAUTION
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
BREATHING ASBESTOS DUST MAY CAUSE SERIOUS
BODILY HARM

4.8 All external surfaces will be maintained free of accumulation of asbestos fibers, if, with their dispersion, there would be an excessive concentration. Scaffolds used for this work will be cleaned.

R 4.9 Asbestos waste, scrap, debris, bags, containers, equipment and contaminated disposable clothing for disposal will be collected and disposed of in sealed impermeable bags or other closed impermeable containers to an approved site.

A 4.10 All pipe or equipment insulated with asbestos containing insulation will be stripped before taking to Salvage or Investment Recovery.

5.0 PERSONAL PROTECTIVE EQUIPMENT

5.1 Respiratory Protection - Employees engaged in the spraying (wetting-down) of asbestos, the removal; in the demolition of pipes, structures, or equipment covered or insulated with asbestos; and in the removal or demolition of asbestos insulation or coverings shall be provided with respiratory equipment as follows:

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5.1.1 A reusable or single use, air purifying respirator may be used to reduce exposure below permissible limits, when the ceiling or the 8-hour time-weighted average airborne concentrations of asbestos fibers are reasonably expected to exceed no more than ten times the PEL limits. This consists of the Comfo II with type "H" filter.

5.1.2 A type "C" continuous flow or pressure-demand, supplied-air respirator shall be used to reduce exposure below permissible limits when the ceiling or the 8-hour time-weighted average airborne concentrations are reasonably expected to exceed 10 times those limits.

5.2 Special Clothing - The supervisor shall provide and require use of special clothing, such as coveralls or similar whole body clothing, head coverings, gloves, and foot coverings for any employee exposed. Contaminated clothing should not be stored in lockers. A daily change is mandatory, more frequently, if conditions warrant.

5.3 Laundering - Laundering of asbestos-contaminated clothing shall be done so as to prevent the release of airborne asbestos fibers in excess of prescribed exposure limits. Those performing laundering of asbestos-contaminated clothing must be informed of all requirements listed in Section 5.0, Personal Protective Equipment. Contaminated clothing shall be transported in sealed impermeable containers and labeled in accordance with Section 4.7. If disposable coveralls are used, they should be placed into containers with asbestos for disposal.

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6.0 TRAINING

R 6.1 All insulators will be trained annually on:

6.1.1 Hazards

6.1.2 Controls

6.1.3 Monitoring

6.1.4 Regulations

6.1.5 Personal Protective Equipment

R 6.2 All other maintenance employees will be trained every three years.

6.3 Training records will be maintained by the Maintenance Department with a copy to the Safety Department.

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