PLAINTIFF'S EXHIBIT

DOW-2124

revised 1/88

SAFETY STANDARD NO. T-12

ASBESTOS

I. SCOPE

This standard defines the requirements for handling, disposing and monitoring asbestos and asbestos-containing material.

II. DEFINITIONS

Why do we 1/88 0.1 %w if we only do P/F tests

OK? ASBESTOS CONTAINING - Material containing more than 0.1 percent by weight of asbestos must be handled as asbestos. Wick- EPA saying P/F BUT

OK FRIABLE - Any material when broken, crushed, or pulverized releases asbestos fibers.

OK DEMOLITION - The wrecking or taking out of any load-supporting structural member and any related razing, removing or stripping of asbestos.

(POTENTIAL) OK EMPLOYEE EXPOSURE - Exposure to airborne fibers that would occur if the employee were not using respiratory protective equipment.

OK **EXCURSION LIMIT - No employee shall be exposed to an airborne concentration of asbestos in excess of 1.0 fibers per cubic centimeter of air as averaged over a sampling period of 30 minutes.**

OK PERMISSIBLE EXPOSURE LIMIT (PEL) - No employee shall be exposed to an airborne concentration of asbestos in excess of 0.2 fibers per cubic centimeters of air as an eight-hour, time-weighted average (8-hr. TWA).

OK PLANNED RENOVATION - Renovation operation in which the amount of friable asbestos material that will be removed or stripped within a given period of time can be predicted. Individual, non-scheduled operations are included if a number of such operations can be predicted (i.e., leaking valves).

OK **PUBLIC BUILDINGS - All buildings "capable of public occupancy" except for "those buildings or portions of buildings to which all access is strictly and entirely controlled or prohibited because of processes or functions dangerous to human health or safety..."** ~~Buildings entirely within the fence are exempt~~ Comp

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III. PROCEDURES

A. TRAINING

All employees who handle asbestos must be trained before initial assignment and annually thereafter. ~~The following items must be included in the training program.~~ The training the following items.

1. The health effects associated with asbestos and the relationship between smoking and exposure to asbestos in producing lung cancer.
2. The purpose and description of the medical surveillance program required by the OSHA standard.
3. The purpose, proper use and limitations of respirators and protective clothing.
4. The methods and procedures ~~to follow to~~ for identifying asbestos.
5. A review of the OSHA asbestos standard, including appendices.
6. The location, quantity, manner of use and storage of [redacted] that could result in exposure to asbestos.
7. The engineering controls, work practices and procedures associated with specific job assignments. These must include but are not limited to the labeling requirements, clean-up, renovation, demolition and disposal of asbestos.
8. A generic IPT asbestos training module is available through the Safety Department.

B. ASBESTOS INVENTORY

1. All buildings and process areas must be inspected to determine the presence or absence of asbestos-containing materials.
2. An inventory of all asbestos-containing materials must be made and maintained. Records must be maintained until the asbestos-containing materials are removed.
3. All asbestos-containing materials must be inspected semi-annually to check for deterioration. If deterioration is found, ~~Industrial Hygiene Services must be notified to assess the potential for asbestos fiber release~~. repaired or removed.

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C. DEMOLITION OR RENOVATION

1. It is the responsibility of the project supervisor/owner/project supervisor [redacted] to contact Environmental Services (ph. 2414) prior to minimum of 25 days the start of any asbestos work involving demolition or planned renovation.

2. Contact the ~~Insulation Services Department~~ → Paint & Insulation Department for assistance in assessing asbestos work. ~~[redacted] and for locating a licensed contractor to do the work.~~

D. ASBESTOS WASTE DISPOSAL

All asbestos and asbestos-containing material must be disposed of per Environmental Standard ES-314.

E. USE OF ASBESTOS CONTAINING MATERIALS

Major manager approval is required when using asbestos materials if a suitable alternate is known.

F. ASBESTOS JOB MINIMUM REQUIREMENTS

1. All jobs involving asbestos or asbestos-containing material must have a written job procedure. The asbestos minimum requirements included in the Texas Operations Asbestos Handbook must be maintained in the writing of these job procedures.

2. On specific repetitive jobs where engineering and/or work practice controls are in place and representative personnel monitoring has shown that the potential asbestos exposure levels are consistently below 0.1 fiber/cc as an 8 hour TWA, or short-term exposure below 1.0 fiber/cc averaged over a period of 30 minutes, a specific procedure approved by the safety director, Industrial Hygiene Services, and the department head can be written specifying the job requirements.

3. Additional information on asbestos job requirements may be obtained in the Texas Operations Asbestos Handbook.

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BOLDING DENOTES CHANGES.

Jerry Hinojosa

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