

050439

PLAINTIFF'S EXHIBIT

CEL-1378

OCCUPATIONAL EXPOSURE TO ASBESTOS

FEDERAL REGISTER 29 CFR 1926.58

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PURPOSE: General Maintenance Communication

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WHAT IS ASBESTOS ?

ASBESTOS IS A GENERIC TERM USED TO DESCRIBE A NUMBER OF NATURALLY
OCCURRING FIBROUS, HYDRATED MINERAL SILICATES.

- CHARACTERISTICS:
- HIGH STRENGTH
 - FLEXIBILITY
 - HEAT & CHEMICAL RESISTANCE
 - FAVORABLE FRICTIONAL PROPERTIES

WHAT ARE EFFECTS OF ASBESTOS EXPOSURE ?

- ASBESTOSIS - non-malignant scarring of lungs
- BRONCHOGENIC CARCINOMA - a malignancy of the interior of the lung
- MESOTHELIOMA - a malignancy (tumor) of the lining of the chest cavity
or the lining of the abdomen
- CANCER - stomach, colon, rectum

KEY INFORMATION: (1) THE DISEASE IS PROGRESSIVE.

(2) EVIDENCE OF DISEASE MAY NOT OCCUR FOR 15-30 YEARS
FOLLOWING THE EXPOSURE.

(3) SMOKERS ARE AT MUCH GREATER RISK THAN NON-SMOKERS
AMONG PERSONS WHO WORK WITH ASBESTOS.

OCCUPATIONAL EXPOSURE TO ASBESTOS

PERMISSIBLE EXPOSURE LIMIT (PEL)

0.2 FIBERS PER CC

Time-weighted Average for Eight Hours

0.1 FIBERS PER CC (Action Level)

NOTE: This is a reduction in the existing Permissible Exposure Limit by a factor of 10.

DBS:02-87

OCCUPATIONAL EXPOSURE TO ASBESTOS

KEY REQUIREMENTS

- (1) The employer shall use one or any combination of the following controls to achieve compliance with the PEL:

- a. Ventilation (local or general)
- * b. Vacuum cleaners equipped with HEPA filters
- c. Enclosure or isolation
- * d. Wet methods
- e. Other work practices

Wherever feasible, the employer shall establish negative pressure enclosures before commencing removal, demolition, and renovation.

On jobs requiring total enclosure and isolation (i.e.: negative-pressure enclosures), hygiene facilities must be located adjacent and connected to the regulated area.

EXCEPTION FOR CONSTRUCTION: Small scale (pipe repair, valve replacement), short duration (less than one day) jobs.

- (2) The employer shall provide respirators, and ensure they are used, where required by the standard.

Dust masks are NOT permitted for exposures exceeding the PEL.

- (3) The employer shall provide and require use of protective clothing, such as coveralls or similar whole-body clothing, head coverings, gloves, and foot coverings.

- (4) The employer shall designate a competent person (EPA certified training) to perform or supervise handling, monitoring, and training.

- (5) The employer shall perform monitoring to determine accurately the airborne concentrations of asbestos to which employees may be exposed.

- (6) Labels shall be affixed to all products containing asbestos.

- (7) The employer shall initiate a medical surveillance program for all employees engaged in work involving levels of asbestos at or above the action level for 30 or more days per year.

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OCCUPATIONAL EXPOSURE TO ASBESTOS

WHAT DOES THIS MEAN AT THE SALISBURY PLANT?

ASSUMPTIONS: (1) Approximately 75% of insulation at the Salisbury Plant contains asbestos.

(2) All jobs involving asbestos are likely to have exposures above the new Permissible Exposure Limit (PEL).

- INCREASED AWARENESS
- EMPHASIS ON CONTROLS TO ACHIEVE COMPLIANCE
- WHOLE BODY PROTECTION (i.e.: coveralls, head coverings, gloves, foot coverings), INCLUDING RESPIRATOR
- INCREASED MONITORING
- ASBESTOS WARNING LABELS

OCCUPATIONAL EXPOSURE TO ASBESTOS

IMPLEMENTATION PLAN

- (1) ESTABLISH A LIST OF EMPLOYEES LIKELY TO BE AFFECTED BY THE NEW STANDARD.
[Complete]
- (2) RECEIVE RFA APPROVAL FOR EQUIPMENT. [Complete]
 - * Respirators
 - * Vacuum Cleaners
 - * Negative Pressure Filtration Equipment
 - * Labels
 - * Hygiene Facilities
- (3) CONDUCT TRAINING IN ACCORDANCE WITH THE STANDARD. [first half of Feb.]
- (4) CONDUCT FIT-TESTING FOR RESPIRATORS. [last half of February]
- (5) LABEL ASBESTOS CONTAINING MATERIAL IN ALL AREAS. [February-March]
- (6) ESTABLISH WORK RECORDS IN ALL AREAS WHERE EMPLOYEES HANDLE ASBESTOS.
[end of February]
- (7) CONDUCT PRE-EXPOSURE MEDICAL EXAMS AND QUESTIONNAIRES AS REQUIRED.
[1Q, 1987]