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STATE OF CALIFORNIA

RONALD REAGAN, Governor

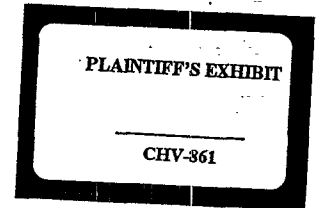
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF INDUSTRIAL SAFETY

455 GOLDEN GATE AVENUE
SAN FRANCISCO



ADDRESS REPLY TO:
P. O. BOX 603
SAN FRANCISCO, CALIF. 94101

May 10, 1973



TO WHOM IT MAY CONCERN

Enclosed is a copy of a new Safety Order 5208, Asbestos, which sets the standards for safe levels and work practices for asbestos workers and which was adopted by the Division of Industrial Safety as an emergency standard effective March 30, 1973. The adoption of this emergency regulation as a general order is to be considered at meetings announced in the attached Notice of Public Hearing.

You are invited to attend these hearings, at which time you will have the opportunity to comment on these proposed Orders. If you are not able to attend these hearings, assurance is hereby given that written comments received in the Division's office prior to the hearings will be given the same consideration as those presented in person.

After adoption by the Industrial Safety Board, and prior to filing of the Orders with the Secretary of State, copies of the adopted revisions to the Orders will be mailed to all who attended the public hearings or who submitted written comments.

Prior to filing a Statement of Compliance with the Secretary of State, copies of the adopted revision to this Order will be mailed to all who attended the public hearings or who submitted written comments.

R. Wilkins, Chief

/ajs
enc

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BB 011125

DEPARTMENT OF INDUSTRIAL RELATIONS

DIVISION OF INDUSTRIAL SAFETY

455 GOLDEN GATE AVENUE

SAN FRANCISCO

April 24, 1973

P. O. BOX 803
ADDRESS REPLY TO:
SAN FRANCISCO, CALIF. 94101

NOTICE OF PUBLIC HEARINGS AND PUBLIC MEETING

Notice is hereby given, pursuant to the provisions of Section 6502 of the Labor Code, that the Department of Industrial Relations, Division of Industrial Safety, of the State of California, has set the time and place hereinafter set forth for a public meeting and for public hearings to consider adoption of new fee schedules for inspections of elevators, dumbwaiters, escalators, manlifts, and various types of aerial passenger tramways, and to review the provisions of General Industry Safety Order 5208 recently adopted as an emergency for control of exposure to asbestos — regulations which will be of general application throughout the State of California relative to reasonable safety standards and safety devices as authorized by Division 5, Part 1, Chapter 3, of the Labor Code. Copies of proposals are available upon request from Division headquarters, 455 Golden Gate Avenue, San Francisco 94102.

You are invited to comment on these orders under consideration, either in person at the hearing or in writing to R. Wilkins, Chief, Division of Industrial Safety, 455 Golden Gate Avenue, San Francisco, California 94102, prior to the June 5 hearing. If these public hearings lead the Board to adopt related safety orders, copies will be mailed to all who attended a hearing or who submitted prior written comments.

In Sacramento, California, Tuesday, June 5, 1973, at 10 a.m., Auditorium, 1st Floor, State Office Building No. 8, 714 "P" Street.

In Los Angeles, California, Tuesday, June 12, 1973, at 10 a.m., in Room 1138 of the State Building, 107 South Broadway.

Immediately following the public hearing in Sacramento, the Board will make time available to receive comments from interested persons on any proposals for new or revised safety orders appropriate for adoption pursuant to Chapter 3 (commencing with Section 6500) of Part 1 of Division 5, of the Labor Code.

The Board may take other appropriate action at these meetings, engage in its own discussions, act upon contested variations, or adopt previously heard safety order proposals such as the Tunnel Safety Order revisions, revisions to Construction Safety Order 1717 on falsework and shoring, revision of High-Voltage Safety Order 2946 and related orders applying to proximity limits, changes in the Electrical Safety Orders to be superseded by the High-Voltage Electrical Safety Orders, and revisions to Article 108 of the General Industry Safety Orders setting new threshold limit values for various chemicals and substances. Any such action taken at these sessions would be open and public, but, in contrast to the public hearings, would be limited to Board discussions and actions.

DEPARTMENT OF INDUSTRIAL RELATIONS

H. Edward White, Director

DIVISION OF INDUSTRIAL SAFETY

R. Wilkins, Chief

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BB 011126

State of California
Department of Industrial Relations

Proposed Amendment
To Add To Group 16, Article 110
of the
GENERAL INDUSTRY SAFETY ORDERS
A New Safety Order

Section 5208. Asbestos

May 1973

Issued by

Division of Industrial Safety

455 Golden Gate Avenue
San Francisco, California 94102

3460 Wilshire Boulevard, Rm. 906
Los Angeles, California 90005

Article 110. Special Hazardous Substances and Processes

5208. Asbestos. (a) The 8-hour time-weighted average concentration of airborne asbestos fibers to which any employee may be exposed shall not exceed 5 fibers,* longer than 5 micrometers, per cubic centimeter of air as determined by the membrane filter method using phase contrast illumination and 400 to 450X magnification. The ceiling or short time concentration to which employees are exposed shall not exceed 10 fibers per cubic centimeter.

*The 8-hour time-weighted average concentration of airborne asbestos fibers is scheduled to be reduced to 2 fibers per cubic centimeter on July 1, 1976.

(b) Engineering controls, such as but not limited to, isolation, enclosure, exhaust ventilation, and dust collection shall be used to meet the exposure limits in Section 5208 (a). All hand-operated and power-operated tools which may produce or release asbestos fibers in excess of such limit shall be provided with local exhaust ventilation systems. The American National Standards Institute Z9.2-1971 Standard Governing the Design and Operation of Local Exhaust Systems shall be used as a guide to design, construct, install, and maintain such systems.

(c) Asbestos shall be mixed, handled, applied, removed, cut, or otherwise worked wet insofar as practicable. Asbestos spills shall be cleaned up promptly. Asbestos-containing cement, mortar, coating, grout, plaster, or similar material shall not be removed from bags, cartons, or other containers without being wetted, unless it is enclosed and/or ventilated to effectively control airborne fibers as specified in Section 5208 (a).

(d) Respiratory Protective Equipment. When engineering controls and wet handling methods are not feasible or are incapable of controlling the concentration or in an emergency, respiratory protection shall be provided and worn in accordance with provisions of Section 5144 and the following requirements:

(1) Reusable or single-use air filtering respirators shall be used when the concentration exceeds the levels specified in Section 5208 (a), but may not be used when the concentration may reasonably be expected to exceed 10 times the limit.

(2) Powered air filtering respirators may be worn for lower concentrations, but shall be worn when the asbestos fiber concentration is reasonably expected to exceed 10 times, but not 100 times the limit in Section 5208 (a).

(3) Continuous flow or pressure demand air line respirators or self-contained breathing apparatus may be worn for lower concentrations, but shall be worn when the asbestos fiber concentration is reasonably expected to exceed 100 times the limit in Section 5208 (a).

(4) No employee shall be assigned to tasks requiring the use of respirators if based on his most recent examination an examining physician determines that the employee will be unable

to function normally wearing a respirator or that the safety or health of the employee or other employees will be impaired by his use of a respirator. Such employee shall be rotated to an equivalent job whose duties he is able to perform, if such a position is available.

(e) Change Rooms and Special Clothing.

(1) The employer shall provide and require the use of special clothing such as coveralls or similar whole body clothing, head coverings, gloves, and foot coverings for any employee exposed to airborne concentrations of asbestos fibers, which exceed the ceiling level prescribed in Section 5208 (a).

(2) At any fixed place of employment exposed to airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in Section 5208 (a), the employer shall provide change rooms for employees working regularly at the place.

(3) The employer shall provide two separate lockers or containers for each employee, so separated or isolated as to prevent contamination of the employees street clothes from his work clothes.

(f) Laundering.

(1) Laundering of asbestos-contaminated clothing shall be done so as to prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in Section 5208 (a).

(2) Any employer who gives asbestos-contaminated clothing to another person for laundering shall inform such person of the requirement in Section 5208 (f)(1) to effectively prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in Section 5208 (a).

(3) Contaminated clothing shall be transported in sealed impermeable bags or other closed, impermeable containers, and labeled in accordance with Section 5208 (h).

(g) Monitoring and Record Keeping. The employer shall sample the air within the breathing zone of employees at locations where the airborne asbestos concentrations may reasonably be expected to exceed 1 fiber, longer than 5 micrometers, per cubic centimeter. Where the asbestos fiber concentration exceeds the level permitted in Section 5208 (a), the employer shall undertake a compliance program as specified in paragraphs (b),(c),(d),(e), and (f) of this section, and in addition, a schedule of monitoring shall be established so the time-weighted average concentration can be calculated with reasonable accuracy for each employee based on his working time at each concentration to which he is exposed. Records of these exposure calculations shall be available to the Division and to the employees and former employees or their representatives. The number of sampling locations, the number of samples, and the frequency of sampling may be reduced when sufficient experience has indicated that the concentration can be estimated reliably. However, the sampling frequency may not be reduced to less than once each 6 months where exposure may reasonably be expected to exceed levels specified in Section 5208 (a).

(h) Caution Signs.

(1) Posting. Caution signs shall be provided and displayed at each location where airborne concentrations of asbestos fibers may be in excess of the exposure limits prescribed in Section 5208 (a). Signs shall be posted at such a distance from such a location so that an employee may read the signs and take necessary protective steps before entering the area marked by the signs. Signs shall be posted at all approaches to areas containing excessive concentrations of airborne asbestos fibers.

(2) Sign Specifications. The warning signs required by subparagraph (h)(1) shall conform to the requirements of format signs specified in Section 6003 (d)(4) of the General Industry Safety Orders and to this subparagraph. The signs shall display the following legend in the lower panel, with the letter sizes and styles of a visibility at least equal to that specified in this subparagraph.

<u>Legend</u>	<u>Notation</u>
Asbestos-----	1" Sans Serif, Gothic or Block
Dust Hazard-----	3/4" Sans Serif, Gothic or Block
Avoid Breathing Dust-----	1/4" Gothic
Wear Assigned Protective Equipment-----	1/4" Gothic
Do Not Remain In Area Unless Your Work Requires It-----	1/4" Gothic
Breathing Asbestos Dust May Be Hazardous To Your Health-----	14 Point Gothic

Spacing between lines shall be at least equal to the height of the upper of any two lines.

(i) Caution Labels.

(1) Labeling. Caution labels shall be affixed to all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers or to their containers, except that no label is required where asbestos fibers have been modified by a bonding agent, coating, binder, or other material so that during any reasonably foreseeable use, handling, storage, disposal, processing, or transportation, no airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in Section 5208 (a) will be released. For large outdoor storage such as mine ore tailings piles, labeling shall not be required if properly posted.

(2) Label Specifications. The caution labels required by subdivision (a) of this subparagraph shall be printed in letters of sufficient size and contrast as to be readily visible and legible. The label shall state:

CAUTION

Contains Asbestos Fibers

Avoid Creating Dust

Breathing Asbestos Dust May Cause

Serious Bodily Harm

(j) Medical Examination.

(1) The employer shall provide or make available at his cost a comprehensive preplacement examination of each employee working regularly with asbestos who has been or may be reasonably expected to be exposed to concentrations of asbestos fibers in excess of

1 fiber, longer than 5 micrometers, per cubic centimeter. Such examination shall be given within 90 days of the effective date of this regulation for existing employees who have not had an examination within 1 year and within 90 days following his first employment for new employees. Such examination shall include as a minimum a 14-inch by 17-inch chest X-ray (posterior and anterior), a history to elicit symptomology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at one second FEV_{1.0}).

(2) At least annually every employer shall provide or make available at his cost a medical examination as specified in Section 5208 (j)(1).

(3) Records shall be kept of medical examinations required in Section 5208 (j)(2) for each employee; such records shall be maintained by the employer for at least 30 years. Access to records of medical examinations required in Section 5208 (j)(2) shall be made available for inspection and copying to the Division of Industrial Safety, the Department of Health, to authorized physicians or medical consultants of either of them, and upon request of an employee or former employee to his physician. Any physician who conducts a medical examination required by this section shall furnish the employer of the examined employee all the information specifically required in Section 5208 (j) and any other medical information related to occupational exposure to asbestos.