

## § 570.55

chemical wood, excelsior wood, cordwood, fence posts, or similar products; the collecting, skidding, yarding, loading, transporting and unloading of such products in connection with logging; the constructing, repairing and maintaining of roads, railroads, flumes, or camps used in connection with logging; the moving, installing, rigging, and maintenance of machinery or equipment used in logging; and other work performed in connection with logging. The term shall not apply to work performed in timber culture, timber-stand improvement, or in emergency fire-fighting.

(2) The term *all occupations in the operation of any sawmill, lath mill, shingle mill, or cooperage-stock mill* shall mean all work performed in or about any such mill in connection with storing of logs and bolts; converting logs or bolts into sawn lumber, laths, shingles, or cooperage stock; storing, drying, and shipping lumber, laths, shingles, cooperage stock, or other products of such mills; and other work performed in connection with the operation of any sawmill, lath mill, shingle mill, or cooperage-stock mill. The term shall not include work performed in the planing-mill department or other re-manufacturing departments of any sawmill, or in any planing mill or re-manufacturing plant not a part of a sawmill.

[16 FR 7008, July 20, 1951. Redesignated at 28 FR 1634, Feb. 21, 1963, and amended at 28 FR 3449, Apr. 9, 1963; 32 FR 6024, Apr. 15, 1967. Redesignated and amended at 36 FR 25156, Dec. 29, 1971]

### **§ 570.55 Occupations involved in the operation of power-driven woodworking machines (Order 5).**

(a) *Finding and declaration of fact.* The following occupations involved in the operation of power-driven woodworking machines are particularly hazardous for minors between 16 and 18 years of age:

(1) The occupation of operating power-driven woodworking machines, including supervising or controlling the operation of such machines, feeding material into such machines, and helping the operator to feed material into such machines but not including the placing of material on a moving chain

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or in a hopper or slide for automatic feeding.

(2) The occupations of setting up, adjusting, repairing, oiling, or cleaning power-driven woodworking machines.

(3) The occupations of off-bearing from circular saws and from guillotine-action veneer clippers.

(b) *Definitions.* As used in this section:

(1) The term *power-driven woodworking machines* shall mean all fixed or portable machines or tools driven by power and used or designed for cutting, shaping, forming, surfacing, nailing, stapling, wire stitching, fastening, or otherwise assembling, pressing, or printing wood or veneer.

(2) The term *off-bearing* shall mean the removal of material or refuse directly from a saw table or from the point of operation. Operations not considered as off-bearing within the intent of this section include: (i) The removal of material or refuse from a circular saw or guillotine-action veneer clipper where the material or refuse has been conveyed away from the saw table or point of operation by a gravity chute or by some mechanical means such as a moving belt or expulsion roller, and (ii) the following operations when they do not involve the removal of material or refuse directly from a saw table or from the point of operation: The carrying, moving, or transporting of materials from one machine to another or from one part of a plant to another; the piling, stacking, or arranging of materials for feeding into a machine by another person; and the sorting, tying, bundling, or loading of materials.

(c) *Exemptions.* This section shall not apply to the employment of apprentices or student-learners under the conditions prescribed in § 570.50 (b) and (c).

[16 FR 7008, July 20, 1951. Redesignated at 28 FR 1634, Feb. 21, 1963, and amended at 28 FR 3449, Apr. 9, 1963. Redesignated and amended at 36 FR 25156, Dec. 29, 1971]

### **§ 570.57 Exposure to radioactive substances and to ionizing radiations (Order 6).**

(a) *Finding and declaration of fact.* The following occupations involving exposure to radioactive substances and to ionizing radiations are particularly hazardous and detrimental to health

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for minors between 16 and 18 years of age:

(1) Any work in any workroom in which (i) radium is stored or used in the manufacture of self-luminous compound, (ii) self-luminous compound is made, processed, or packaged, (iii) self-luminous compound is stored, used, or worked upon, (iv) incandescent mantles are made from fabric and solutions containing thorium salts, or are processed or packaged, (v) other radioactive substances are present in the air in average concentrations exceeding 10 percent of the maximum permissible concentrations in the air recommended for occupational exposure by the National Committee on Radiation Protection, as set forth in the 40-hour week column of table one of the National Bureau of Standards Handbook No. 69 entitled "Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure," issued June 5, 1959.

(2) Any other work which involves exposure to ionizing radiations in excess of 0.5 rem per year.

(b) *Definitions.* As used in this section:

(1) The term *self-luminous compound* shall mean any mixture of phosphorescent material and radium, mesothorium, or other radioactive element;

(2) The term *workroom* shall include the entire area bounded by walls of solid material and extending from floor to ceiling;

(3) The term *ionizing radiations* shall mean alpha and beta particles, electrons, protons, neutrons, gamma and X-ray and all other radiations which produce ionizations directly or indirectly, but does not include electromagnetic radiations other than gamma and X-ray.

[22 FR 3657, May 24, 1957, as amended at 26 FR 8885, Sept. 21, 1961. Redesignated at 28 FR 1634, Feb. 21, 1963, and amended at 28 FR 3449, Apr. 9, 1963. Redesignated and amended at 36 FR 25156, Dec. 29, 1971]

### § 570.58 Occupations involved in the operation of power-driven hoisting apparatus (Order 7).

(a) *Finding and declaration of fact.* The following occupations involved in the

operation of power-driven hoisting apparatus are particularly hazardous for minors between 16 and 18 years of age:

(1) Work of operating an elevator, crane, derrick, hoist, or high-lift truck, except operating an unattended automatic operation passenger elevator or an electric or air-operated hoist not exceeding one ton capacity.

(2) Work which involves riding on a manlift or on a freight elevator, except a freight elevator operated by an assigned operator.

(3) Work of assisting in the operation of a crane, derrick, or hoist performed by crane hookers, crane chasers, hookers-on, riggers, rigger helpers, and like occupations.

(b) *Definitions.* As used in this section:

(1) The term *elevator* shall mean any power-driven hoisting or lowering mechanism equipped with a car or platform which moves in guides in a substantially vertical direction. The term shall include both passenger and freight elevators (including portable elevators or tiering machines), but shall not include dumbwaiters.

(2) The term *crane* shall mean a power-driven machine for lifting and lowering a load and moving it horizontally, in which the hoisting mechanism is an integral part of the machine. The term shall include all types of cranes, such as cantilever gantry, crawler, gantry, hammerhead, ingot-pouring, jib, locomotive, motor-truck, overhead traveling, pillar jib, pintle, portal, semi-gantry, semi-portal, storage bridge, tower, walking jib, and wall cranes.

(3) The term *derrick* shall mean a power-driven apparatus consisting of a mast or equivalent members held at the top by guys or braces, with or without a boom, for use with an hoisting mechanism or operating ropes. The term shall include all types of derricks, such as A-frame, breast, Chicago boom, gin-pole, guy and stiff-leg derrick.

(4) The term *hoist* shall mean a power-driven apparatus for raising or lowering a load by the application of a pulling force that does not include a car or platform running in guides. The term shall include all types of hoists, such as base mounted electric, clevis suspension, hook suspension, monorail,