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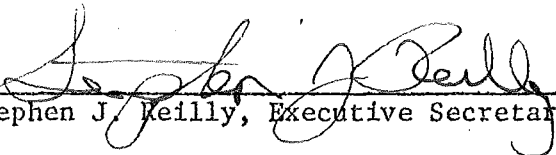
STATE OF WISCONSIN)
) SS
DEPARTMENT OF INDUSTRY,)
LABOR AND HUMAN RELATIONS)

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Stephen J. Reilly, Executive Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records of said Department, do hereby certify that the attached rules to Wisconsin Administrative Code Chapter Ind 1, Safety, were adopted by the Department of Industry, Labor and Human Relations on March 6, 1972.

I further certify that said copy has been compared by me with the original on file in this Department and that the same is a true copy thereof and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department at the Capitol, in the City of Madison, this 6 day of March, A.D., 1972


Stephen J. Reilly, Executive Secretary

ORDER OF

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by sections 101.01 to 101.29, Wis. Stats., the Department of Industry, Labor and Human Relations hereby amends, repeals, recreates and adopts rules of Wisconsin Administrative Code Chapter Ind 1, Safety.

The rules attached hereto shall become effective on the first day of the month following publication in the Wisconsin Administrative Code as provided in section 227, Wis. Stats.

Section Ind 1.01 is repealed and recreated to read:

Ind 1.01 Definitions. (1) DEPARTMENT. When used in these rules, the word "department" means the department of industry, labor and human relations.

(2) EXPOSED TO CONTACT. When used in these rules, the term "exposed to contact", unless otherwise specifically defined, shall mean that the location of the hazard is such that it is likely to cause injury to a person while in the course of employment, or to a frequenter.

(3) FREQUENTER. When used in these rules, the term "frequenter" shall mean any person who is not an employe or a trespasser.

(4) GANTRY CRANES. When used in these rules the words "gantry crane" shall mean a crane similar to an overhead traveling crane, except that the bridge for carrying the trolley or trolleys is rigidly supported on 2 or more movable legs running on fixed rails or other runway.

(5) GUARDED. When used in these rules, the term "guarded" unless otherwise specifically provided, shall mean so completely covered, fenced or enclosed that a person in the course of employment or a frequenter is not likely to come in contact with the point of danger and be injured.

(6) OVERHEAD TRAVELING CRANES. When used in these rules, the term "overhead traveling crane" shall mean a crane on a pair of parallel elevated runways adapted to lift and lower a load and carry it horizontally parallel to, or at right angles to, the runways, or both, and consisting of one or more trolleys operating on the top or bottom of a bridge, which in turn consists of one or more girders or trusses mounted on trucks operating on the elevated runways, with its operation limited to the area between the runways.

(7) PORTAL CRANES. When used in these rules, the words "portal crane" shall mean a gantry crane without trolley motion, which has a boom attached to a revolving crane mounted on a gantry, with the boom capable of being raised or lowered at its head (outer end). Portal cranes may be fixed or mobile.

(8) STORAGE BRIDGES. When used in these rules, the words "storage bridges" shall mean a gantry crane of long span usually used for bulk storage of material, with the bridge girders or trusses rigidly or non-rigidly supported on one or more legs. It may have one or more fixed or hinged cantilever ends.

Subsections Ind 1.02(1)(a), (b) and (i) are amended to read:

(a) Railings shall be 42 inches in height except where otherwise specified and shall be equipped with toeboards unless the space between the lower rail and floor is filled with material as specified in subsection Ind 1.02(2).

(b) Railings shall be of substantial construction, shall be permanently fastened in place, and shall be smooth and free from protruding nails, bolts and splinters. A mid-rail shall be provided between top rail and the floor, unless this space is filled with substantial wire mesh work, expanded metal, or other suitable material complying with the requirements of subsection Ind 1.02(2).

(i) Materials other than those described in subsections Ind 1.02(1)(c), (d) and (e) are not permitted without the specific approval of the department.

Subsection Ind 1.10(1) is amended to read:

(1) When used for walking, the portions of trestles on which cars run shall be equipped on one edge with a walkway so located as to give safe clearance from cars. Such walkways shall be equipped with standard guard rails and toeboards as required by subsection Ind 1.02(1), except such parts as are used for loading and unloading purposes.

Subsection Ind 1.13(1) (intro. par.) is amended to read:

(1) Open tops of vats, tanks and hoppers, the tops of which are less than 36 inches above the floor or platform level, shall be covered or protected by railings, the tops of which shall be at least 36 inches above the floor or platform and otherwise constructed in accordance with subsection Ind 1.02(1).

Subsection Ind 1.16(1)(b) is amended to read:

(b) An approved portable platform that is projected through the window or supported from the ground, floor, roof or platform level, for the window cleaner to stand upon and that is designed, constructed, maintained and equipped with handrail and toeboard in compliance with the requirements of subsection Ind 1.02(1); or

Subsection Ind 1.18(1)(a) is amended to read:

(a) All vertical and inclined belts within 6 feet of floor or platform level, and all pulleys and all horizontal belts within 7 feet of floor or platform level, except flat belts that are one inch or less in width and single round belts 1/2 inch or less in diameter, that move so slowly and are so located that there is no possibility of danger, shall be completely enclosed or effectively guarded. Belts protected by railings shall be guarded in accordance with subsection Ind 1.02(1). Belts protected by guards other than railings shall be guarded in accordance with subsection Ind 1.02(2).

Subsection Ind 1.18(2)(a) 4. a. is amended to read:

a. Vertical belts having a standard railing (see subsection Ind 1.02(1)) placed not less than 15 inches or more than 20 inches from the belt, shall be considered sufficiently guarded. See Fig. 7.

Subsection Ind 1.18(5)(c) Note (a) is amended to read:

Note: (a) See section Ind 1.02 for requirements as to construction of guards, enclosures or casings.

Section Ind 1.19 is amended to read:

Ind 1.19 Pulleys and sprockets. Every pulley without a belt and every sprocket without a chain, exposed to contact, shall be guarded in accordance with the requirements of subsection Ind 1.02(2).

Section Ind 1.25 is amended to read:

Ind 1.25 Friction drives. The faces of every friction drive, together with all openings and projections exposed to contact, shall be covered or enclosed in accordance with the requirements of subsection Ind 1.02(2).

Subsection Ind 1.27(2) is amended to read:

(2) Shafting under bench machines shall be enclosed by a stationary casing, expanded metal or wire mesh paneling or by a trough at sides and top, or sides and bottom, as location requires. The sides of the trough shall come within 6 inches of the underside of the table, or if the shafting is located near floor, within 6 inches of floor. In every case, the sides of trough shall extend at least 2 inches above or below the shafting as the case may be. For specifications of material see subsection Ind 1.02(2).

Subsection Ind 1.36(1) (intro. par.) is amended to read:

(1) Revolving barrels, drums or other containers, where exposed to contact, shall be guarded by an enclosure or standard guard rail in accordance with the specifications given in section Ind 1.02.

Subsection Ind 1.36(2) is amended to read:

(2) Tanning drums, where exposed to contact, shall be guarded by an enclosure built in accordance with the specifications of subsection Ind 1.02(2), to a height of 6 feet.

Section Ind 1.37 is amended to read:

Ind 1.37 Fans. The blades of every fan, when exposed to contact, shall be guarded in accordance with subsection Ind 1.02(2).

Exception: Fans more than 7 feet above the floor or working level need not be guarded providing the blades cease to revolve before any work of a character which would expose any person to contact with such fan is permitted.

Note: This rule also applies to the ordinary office fan.

Subsection Ind 1.72(3) is amended to read:

(3) Footwalks shall not be less than 18 inches in clear width and the inner edge shall extend at least to the line of the outside edge of the lower cover plate or flange of the girder. They shall be provided with standard guard rails and toeboards complying with the requirements of subsection Ind 1.02(1).

Subsections Ind 1.77(1) and (2) are amended to read:

(1) The nipping and shearing points of conveyors, when exposed to contact, shall be guarded in accordance with subsection Ind 1.02(2).

(2) The tops of screw conveyor troughs, where screw is exposed to contact, shall be kept covered. Openings into which persons may step, reach or fall shall be protected by standard handrails as required by subsection Ind 1.02(1), or other equally effective protection.

Subsection Ind 1.78(10) is amended to read:

(10) The floor openings on both the up and down runs for man lifts shall be of uniform size, approximately circular and shall provide for a clearance on each side of the tread of not less than 7 inches or more than 9 inches, with a clearance of not less than 14 inches or more than 15 inches at the front of the tread. All floor openings at every landing shall be guarded on all sides not used as a means of entrance or exit by standard guard rails and toeboards as specified in subsection Ind 1.02(1). Such guards shall be located not more than 12 inches from the edge of the floor opening. The entrances and exits at all floors affording access to the man lift shall be guarded by a maze or staggered railing with toeboards or by a self-closing gate located approximately 2 feet from the edge of the floor opening and arranged to swing away from the opening.

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section 227.02(1)(b), Wis. Stats., the Department of Industry, Labor and Human Relations hereby makes the following changes, which changes do not require notice or hearing:

Section Ind 1.001 is amended to read:

Ind 1.001 Scope. The requirements of this code shall apply to all places of employment except as specifically covered in other rules of the department.

Subsection Ind 1.06(5) Note is amended to read:

Note: See Wis. Adm. Code, chapters Ind 10-59--Building and Heating, Ventilating and Air Conditioning--chapter Ind 51 for required exit stairways.

Subsection Ind 1.13(4)(b) Note is amended to read:

Note: See Wis. Adm. Code, chapter Ind 20--Dusts, Fumes, Vapors and Gases.

Subsection Ind 1.16(4) Note is amended to read:

Note: It will be the policy of the department to accept anchors and safety belts which have been tested and approved by Underwriters' Laboratories.

Subsection Ind 1.34(1) (intro. par.) Note is amended to read:

Note: Exhaust systems are required to comply with the requirement of Wis. Adm. Code, chapter Ind 20--Dusts, Fumes, Vapors and Gases.

Subsection Ind 1.38(3)(e) is amended to read:

(e) Any other device approved in writing by the department previous to use as providing equivalent protection.

Subsection Ind 1.60(2) Notes 1 and 2 are amended to read:

Note 1: For floor drainage of washrooms, see Wis. Adm. Code, chapter Ind 22, Sanitation.

Note 2: For control of harmful fumes created by the washing of greasy towels, coveralls, etc., see Wis. Adm. Code, chapter Ind 20--Dusts, Fumes, Vapors and Gases.

Subsection Ind 1.62(1) Note is repealed.

Subsections Ind 1.83(1) and (2) are amended to read:

(1) All cylinders for compressed gases shall be constructed, marked and maintained in a manner approved by the department.

Note: See Wis. Adm. Code, chapters 41-42, Boiler and Unfired Pressure Vessel, for requirements of approved cylinders.

(2) Gas generators, regulators, consuming devices and other fittings for welding and cutting shall be of a type approved by the department.

Note: It will be the policy of the department to accept those devices listed by Underwriters' Laboratories.


Subsection Ind 1.83(12) Note 2 is amended to read:

Note 2: Gas welding and cutting should be located in well ventilated locations. Particular attention should be given to gas welding and cutting operations on bronze, brass, galvanized metal, stainless steel, and lead bearing metals, etc., due to the high toxicity of their fumes. See Wis. Adm. Code, chapter Ind 20--Dusts, Fumes, Vapors and Gases.

Subsection Ind 1.88(2) Note is amended to read:

Note: Head protection having the characteristics outlined in ANSI standard Z90.1 will generally meet with the approval of the department.

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS



Stephen J. Reilly, Executive Secretary

March 6, 1972
Date