

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD STANDARDS

Filed with the secretary of state on

These rules take effect immediately upon filing with the secretary of state unless adopted under section 33, 44, or 45a(6) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by sections 16 and 21 of **the Michigan occupational safety and health act**, 1974 PA 154, MCL 408.1016 and 408.1021, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.11402, R 408.11403, R 408.11421, and R 408.11425 of the Michigan Administrative Code are amended as follows:

PART 14. CONVEYORS

R 408.11402 Referenced standards.

Rule 1402. The following Michigan **Occupational Safety and Health Administration** ~~occupational safety and health standards~~ (MIOSHA) **standards** are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or at **the following** website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) General Industry Safety **and Health** Standard Part 2. **“Walking-Working Surfaces,”** ~~“Floor and Wall Openings, Stairways, and Skylights,”~~ R 408.10201 to R 408.10241.

(b) General Industry Safety **and Health** Standard Part 7. “Guards for Power Transmission,” R 408.10701 to R 408.10765.

R 408.11403 Definitions; A to C.

Rule 1403. (1) "Aisle" means a path of travel for vehicles and employees.

~~(2) "Auger or screw conveyor" means a revolving pipe or shaft on which is mounted helically shaped flighting which serves to convey bulk materials along a trough or a defined path. See figure 1.~~

(2) ~~(3)~~ "Belt conveyor" means an endless belt operating between a drive and a **tail-end,** ~~tailend,~~ with or without bend terminals, and over idler rolls or slider beds **that which** handles bulk materials, packages, or objects placed directly on the belt. See figure 2.

(3) ~~(4)~~ "Belt tripper" means a device incorporating a system of pulleys **that which** cause a conveyor belt to load or unload material at 1 or more points along the length of a belt conveyor. See figure 3.

(4) ~~(5)~~ "Bucket, gravity discharge or pivoted bucket conveyor" means a series of buckets mounted between 2 endless chains or on a belt which may operate in horizontal, inclined or vertical paths. See figure 4.

(5) ~~(6)~~ "Conveyor" means a horizontal, inclined or vertical device for moving or transporting bulk materials, packages or objects in a predetermined path by design and having points of loading or discharge fixed or selective.

(6) ~~(7)~~ "Crossover" means a stile-like device used to cross over a conveyor or machine.

DESIGN

R 408.11421 Guarding.

Rule 1421. (1) Where a hazard exists, guards **must shall** be provided to protect an employee from contact with moving parts where adjustments are required when a conveyor is in operation.

(2) A lift or transfer point **must shall** have any nip point guarded and **must shall** have a means of complying with power lockout rules.

(3) A conveyor **that which** indexes **must shall** be guarded so that an employee will not be caught or trapped by the sudden movement of the conveyor.

(4) A conveyor **must shall** be guarded so that an employee will not be caught or trapped between the conveyor and a stationary or moving part.

(5) A trolley conveyor installed overhead and dipping to a work station **must shall** have a **guard or barrier in compliance with tray-type guard or standard barrier pursuant to General Industry Safety and Health Standard Part 2. “Walking-Working Surfaces,”** Standard Part 2 ~~“Floor and Wall Openings, Stairways, and Skylights,”~~ as referenced in

R 408.11402, or the area ~~must shall~~ be designated as ~~non-pedestrian~~ ~~nonpedestrian~~ and telltales ~~must shall~~ be hung along the portion of the conveyor that dips to protect an employee from accidental injury.

(6) An opening for a conveyor through a floor or wall ~~must shall~~ be guarded **in compliance with** ~~pursuant to~~ General Industry Safety **and Health Standard Part 2. "Walking-Working Surfaces,"** ~~Standard Part 2 "Floor and Wall Openings, Stairways, and Skylights,"~~ as referenced in R 408.11402.

(7) A conveyor passing over a walkway, passageway, or work area ~~must shall~~ be provided with a pan or screen-type guard containing sides sufficient to contain any falling material ~~that which~~ would cause injury. The designed strength of the guard ~~must shall~~ be capable of and ~~must shall~~ continue to withstand the maximum impact load.

R 408.11425 Crossovers.

Rule 1425. (1) A clearance of 80 inches above a floor or platform ~~must shall~~ be maintained as a means of egress. Where a conveyor reduces this clearance, a crossover, passageway, or different means of egress ~~must shall~~ be provided.

(2) A crossover ~~must shall~~ be equipped with slip resistant treads, railing, and toeboard as specified in **compliance with** General Industry Safety **and Health Standard Part 2. "Walking-Working Surfaces,"** ~~Standard Part 2 "Floor and Wall Openings, Stairways, and Skylights,"~~ as referenced in R 408.11402.

(3) A crossover ~~that which~~ cannot clear packages or objects on the conveyor ~~must shall~~ be hinged to swing out of the way or a sensing device ~~must shall~~ be provided to stop the conveyor if the crossover has not been moved.