

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:

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD
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 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 which handles bulk materials, packages or objects placed directly on the belt. See figure 2.

February 6, 2019

(3) (4) "Belt tripper" means a device incorporating a system of pulleys 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 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 shall have any nip point guarded and shall have a means of complying with power lockout rules.

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

(4) A conveyor 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 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 shall be designated as **non-pedestrian** ~~nonpedestrian~~ and telltales 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 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 shall be provided with a pan or screen-type guard containing sides sufficient to contain any falling material which would cause injury. The designed strength of the guard shall be capable of and 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 shall be maintained as a means of egress. Where a conveyor reduces this clearance, a crossover, passageway, or different means of egress shall be provided.

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