

Code Change Proposal



Code section number Comm 32.33(6) _____

Topic Tailgate sanders for dump trucks with exposed and accessible augers.

A. Proposed change Require augers to be guarded according to 29 CFR 1910.212 as adopted by Comm 32.50

1910.212(a)(3)(ii) The point of operation of machines whose operation exposes an employee to injury, shall be guarded. The guarding device shall be in conformity with any appropriate standards therefor, or, in the absence of applicable specific standards, shall be so designed and constructed as to prevent the operator from having any part of his body in the danger zone during the operating cycle.

All tailgate sanders that can be operated with the auger or other point of operation hazards exposed shall be removed from service or the public employer shall ensure a guard that meets the requirement of 1910.212 is installed prior to operation

B. Justification: (**Use reverse side**, or attach a separate page.)

1. Describe the problem this proposed change would address. Include information to substantiate that a problem exists.
2. What is the extent of the problem?
How often does it occur and who does it affect?
3. What will happen if this change is not made?
4. What costs, in terms of time and money, are associated with implementing this change?

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1. Describe the problem this proposed change would address. Include information to substantiate that a problem exists.

- a) Tailgate sanders that use augers for grinding and moving salt/sand and other material to a spreader which is attached at lower left corner of the sander. These augers are unguarded and accessible when used in the operational mode. (See attached picture).

This shows the tailgate sander in the operational mode.



- b) There have been three fatalities in Wisconsin in the last ten years involving this type of auger. Two were Public Sector employees and one was a private owner. Two of the accidents occurred in 2010. In both cases the individuals were pulled into the auger receiving severe injuries resulting in death.

2. What is the extent of the problem?

How often does it occur and who does it affect?

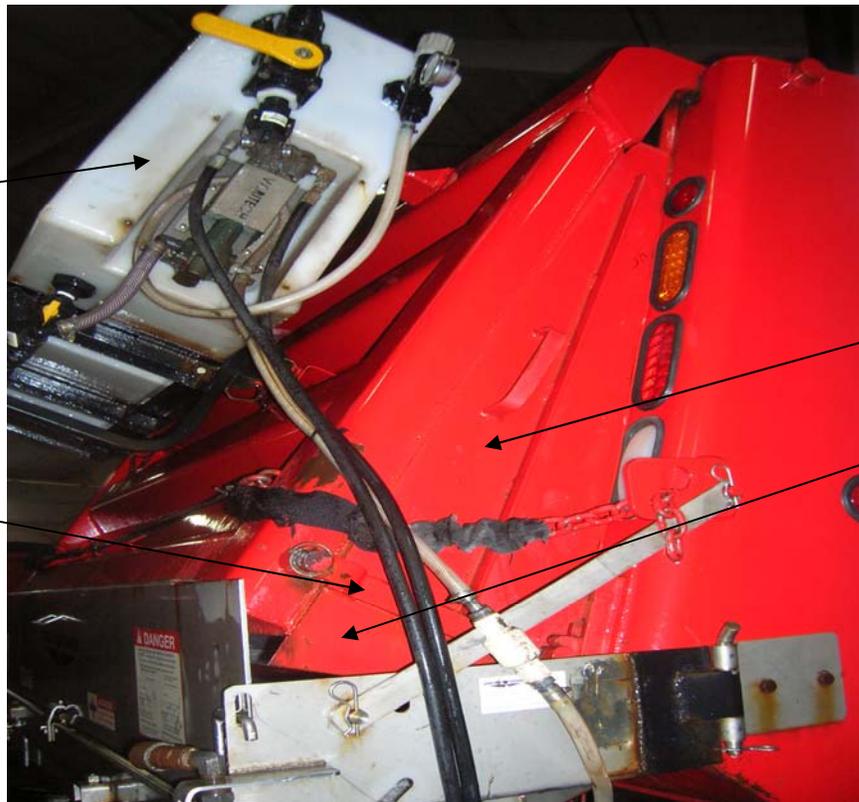
- a) Tailgate sanders are used by State, County and other municipal employers. Most of the usage is in the winter months but some agencies utilize these sanders for summer construction projects. Visits to Public employer sites verified that they did not recognize the potential hazard with this equipment. After discussing the issue and demonstrating what the potential danger was they agreed that there was a hazard.

3. What will happen if this change is not made?

- a) Inspection of Public Sector work sites has demonstrated that employers do not recognize the point of operation hazard associated with tailgate sanders. This has resulted in two fatalities involving Public Sector employees. Tailgate sanders are popular and new models are being manufactured and installed. This measure could help prevent further injuries.

4. What costs, in terms of time and money, are associated with implementing this change?

- a) Public employers who use salt brine tank system mounted to the tailgate of trucks that utilize tailgate sanders provide additional point of operation guarding. This procedure is currently being done and would not be an additional cost. See picture below.



- (b) Several employers have instituted changes to their equipment by adding extensions similar to the picture above. Different designs have been developed and Cost estimates have been \$25.00 to \$200.00 per truck this includes material and fabrication costs. See examples on page 3.



Material was added at the sides to keep sand and salt in the box and metal meshing was added to provide visibility of the auger

Extensions were added to keep the tailgate open providing point of operation guarding at the back of the sander