



# Tailgate/Toolbox Safety Training

Safety Services Company-Safety Meeting Division, PO Box 6408 Yuma, AZ 85366-6408 Toll Free (866) 204-4786



Company Name: \_\_\_\_\_ Job Site Location: \_\_\_\_\_

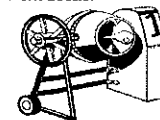
Date: \_\_\_\_\_ Start Time: \_\_\_\_\_ Finish Time: \_\_\_\_\_ Foreman/Supervisor: \_\_\_\_\_

## Topic 340: Safety Requirements for Concrete Tools and Equipment

**Introduction:** OSHA researches and updates requirements based on information relating to workplace injuries compiled by the U.S. Department of Labor. The tools which are specifically listed under safety requirements for concrete tools and equipment in OSHA regulations are the topic of this meeting. Following are current safety requirements for these concrete tools and equipment regulated by OSHA:

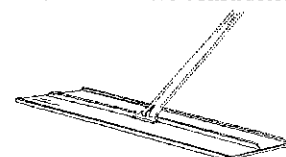
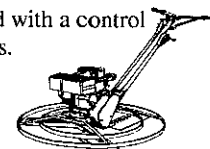
### Bulk cement storage:

- **Bulk storage bins.** containers, and silos must be equipped with the following:
  - \* Conical or tapered bottoms.
  - \* Mechanical or pneumatic means of starting the flow of material.
- **No employee is permitted** to enter storage facilities unless the ejection system has been shut down, locked/blocked, and tagged to indicate that the ejection system is not to be operated.



### Requirements for tools and equipment:

- **Concrete mixers:** Concrete mixers with one cubic yard (.8 cubic meters) or larger loading skips must be equipped with the following:
  - \* A mechanical device to clear the skip of materials.
  - \* Guardrails installed on each side of the skip.
- **Power concrete trowels:** Powered and rotating style concrete troweling machines that are manually guided must be equipped with a control switch that will automatically shut off the power whenever the hands of the operator are removed from the equipment handles.
- **Concrete buggies:** Concrete buggy handles must not extend beyond the wheels on either side of the buggy.
- **Concrete pumping systems:**
  - \* Concrete pumping systems using discharge pipes must be provided with pipe supports designed for 100 percent overload.
  - \* Compressed air hoses used on concrete pumping system must be provided with positive fail-safe joint connectors to prevent separation of sections when pressurized.
- **Concrete buckets:**
  - \* Concrete buckets equipped with hydraulic or pneumatic gates must have positive safety latches or similar safety devices installed to prevent premature or accidental dumping.
  - \* Concrete buckets must be designed to prevent concrete from hanging up on the top and sides.
- **Tremies:** Sections of tremies and similar concrete conveyances must be secured with wire rope or equivalent material in addition to the regular couplings or connections.
- **Bull floats:** Bull float handles, used where they might contact energized electrical conductors must be constructed of nonconductive material or insulated with a non-conductive sheath whose electrical and mechanical characteristics provide the equivalent protection of a handle constructed of nonconductive material.
- **Masonry saws:**
  - \* Masonry saws must be guarded with a semicircular enclosure over the blade.
  - \* A method for retaining blade fragments must be incorporated in the design of the semicircular enclosure.
- **Lockout/Tagout Procedures:**
  - \* No employee is allowed to perform maintenance or repair equipment (such as compressors, mixers, screens, or pumps) where the inadvertent operation of the equipment could cause injury, unless all potentially hazardous energy sources have been locked/blocked out and tagged.
  - \* Tags must read **Do Not Start** or similar language to indicate that the equipment is not to be operated.



**Conclusion:** OSHA requirements are in place to reduce accidents, injuries, and illness. These requirements may appear to be simple common sense issues which hardly need regulations to enforce. However, these requirements are based on accidents which have already occurred. All employers and employees should strive to meet, and adhere to these requirements as a means to ensure the safety of personnel when working with concrete and concrete equipment.

## Work Site Review

Work-Site Hazards and Safety Suggestions: \_\_\_\_\_

Personnel Safety Violations: \_\_\_\_\_

### Employee Signatures:

*(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or illness.)*

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Foreman/Supervisor's Signature:** \_\_\_\_\_

*These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.*