



Company Name: _____ Job Site Location: _____

Date: _____ Start Time: _____ Finish Time: _____ Foreman/Supervisor: _____

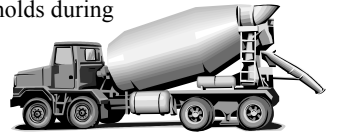
Topic 446: Ready Mix Driver Safety

Introduction: Ready Mix truck drivers are responsible for safely delivering concrete to the worksite and maintaining the quality of the concrete during transfer from plant to site. Ready mix concrete trucks vary in size and design, and a fully loaded truck may weigh as much as 60,000 pounds and contain as much as 20 cubic yards of concrete.

Occupational hazards for ready mixed concrete truck drivers:

Slips, trips, and falls from truck equipment, elevated work stations, and walking surfaces-Falls account for 50% of injuries to ready mix truck drivers. Hazards include slippery surfaces, unstable footing, damaged ladders and walkways, and unsure hand and footholds during climbing and descending. These hazards may occur at the plant, or at the delivery site.

- * Use a good three point climbing technique whenever working on equipment. Only climb where proper hand and footholds are provided, and keep them clean and free of mud and cement.
- * Relocate water tanks and other truck equipment to minimize the need to climb on trucks or use ladders.
- * Use a guard at the top opening of the mixer drum to prevent drivers from falling into the drum while drum washing and checking slump.
- * Use an elevated platform with stairways and guardrails to enable drivers to reach the top of the truck during washing and inspection activities.



Mechanical hazards during equipment operations, such as handling of the load-out chute, can cause pinch point injuries to the hands and fingers, or being struck by swinging parts and falling material and equipment. Moving mixer parts also pose entanglement hazards to the operator.

- * Ensure drivers are properly trained to avoid hazards and handle equipment.
- * Never wear loose or baggy clothes
- * Ensure all machine guards are in place and secure.
- * Wear hard hats at all times on the job



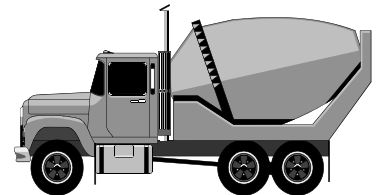
Ergonomic risk factors include whole-body vibration from driving the trucks, awkward and fixed postures, extremes in temperature (cold and hot), and repetitive twisting of the back and neck. Work-related stress, which also impairs work performance, is shown to cause numerous health problems and has been linked to chronic work-related musculoskeletal disorders, and increased periods of sick leave.

- * Install equipment that helps drivers minimize twisting and turning while in the cab.
- * Reduce whole-body vibration in truck cabs by isolating the cab from vibrations using air-ride suspension seats and adjustable well-padded seats and backrests.
- * Minimize lifting activities and awkward postures. Always use proper lifting techniques when necessary.



High levels of noise exposure may put drivers at risk for noise-induced hearing loss.

- * Reduce noise sources in the trucks by installing noise transmission barriers and securing loose objects.
- * Wear hearing protection if needed. (Never wear hearing protection while driving.)



Confined space and silica dust- Concrete residue removal from the mixer drum exposes drivers to excessive noise, silica dust, and confined space hazards such as oxygen deficiency, accidental start-up, and heat stress. Drivers may also be exposed to silica dust during drum loading operations at dry mix plants and from re-entrainment of settled dust at the plant and at the construction site.

- * Implement confined-space entry programs for all activities staged inside mixer drums.
- * Require personal protective equipment for all confined space work.

Chemical exposures - Drivers may have skin contact with concrete and admixtures which contain irritants and sensitizing materials. Cement products are highly alkaline by nature and concrete contains hexavalent chromium, a powerful skin sensitizer. These materials can cause skin irritation and allergic reactions once sensitized. Eye injury from splash hazards may occur during loading or unloading operations.

- * Use proper personal protective equipment such as eye protection and gloves when working with concrete.
- * Provide hand washing and eyewash stations at the plant. On the job, wash with clean water as soon as possible when exposed to concrete, and keep eyewash bottles on the trucks.
- * Implement a hazard communication program for all substances used in ready mixed operations.



Special Note: Vehicle incidents continue to be the leading cause of injuries and fatalities in the workplace every year. Additionally, the weight and size of ready mix concrete trucks make them laterally unstable and slow to stop. Implement a driver safety program for your company, and ensure that drivers are fully trained prior to performing driving duties.

Work Site Review

Work-Site Hazards and Safety Suggestions: _____

Personnel Safety Violations: _____

Material Safety Data Sheets Reviewed: _____ (Name of Chemical)

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 supersede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.