

Water Truck Operation & Safety Syllabus

Time: 8 hours

Maximum Class Size: 12

Prerequisites: None

Course Description:

Many water trucks only require a Class C Driver's License because their gross vehicle weight rating (GVWR) is less than 26,000 lbs. and they have hydraulic brakes. Because of this, Laborers are now being called upon to operate water trucks on the jobsite. This course provides them with the OSHA regulations that apply to this scope of work. In addition, all inspection and safety precautions will be addressed. Students will learn to conduct a walk-around inspection, identify all controls in the truck and water delivery system, attach a meter to the water hydrant, attach a hose to a hydrant and tank inlet, fill tank, and open and close the hydrant valve. Students be given hands-on instruction in how to safely maneuver the water truck on the jobsite and deliver the proper amount of water.

Goals/Objectives/Student Learning Outcomes:

- Conduct a walk-around inspection
- Demonstrate the 3-point contact for cab steps and tank ladder
- Conduct a cab inspection
- Identify truck controls
- Identify main sprayer components
- Attach meter to hydrant
- Connect hose and fill tank
- Demonstrate proper valve operation
- Properly engage and disengage PTO
- Deliver proper amount of water
- Demonstrate proper shut-down procedure
- Explain the reason why a water truck is prone to roll-over
- Describe the "hammer effect"
- Describe water truck driver duties
- Describe the safety procedures necessary to safely operate a water truck

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Standard

- OSHA Standard 1926.601 Motor vehicles that operate within an off-highway jobsite

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

Textbooks/Readings/Materials

- LTS Water Truck Operation & Safety Instructor Guide
- LTS Water Truck Operation & Safety Student Handout Packet
- LTS Water Truck Operation & Safety Exit Exam & Answer Sheet
- LTS Water Truck Operation & Safety Hands-On Performance Evaluation

Tools/Equipment/Other Materials

- Water truck
- Hoses
- Meter
- Sample valves

Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of Safety Glasses
- 20 pairs of Ear plugs
- 12 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours

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- Participate in all classroom exercises
- Pass a written exam
- Pass a hands-on exam

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on “light duty” are not allowed to take this course due to the physically demanding requirements.

Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

Safety

Failure to maintain and use PPE may result in dismissal from the course.