

Emerging Proficient



Commercial Driver Program

Fall Safe Prevention

Advanced Competencies Curriculum

EPCD Collaboration of Construction Businesses

Thanks to the advisory committee for your review and approval and to Fortified Development for the development of this curriculum.

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Let's Get Started



Overview

Dump trucks are an important part of the construction and hauling industry. There are many different types of dump trucks to complete the vast array of jobs. However, it is important to be aware of fall safe prevention with dumping. Due to their high center of gravity, dump trucks can easily become unstable and tip over while dumping a load. We will discuss the various types of dump trucks, and which ones should be used to haul various types of materials as well as best practices to ensure the safety of the driver, other workers on site, and the equipment.

We will discuss the following important safety protocols:

- Properly operating truck liners to reduce loss and increase safety
- Strictly following dumping procedures
- Proper dump truck maintenance protocol
- Design features and uses of various types of dump trucks
- **Training Hour(s): Classroom .5 hrs. /1.5 hrs. OJL**

Types of Dump Trucks

Side Dump

- o Most versatile for hauling
- o Can offer off-the-road convenience



Belly Dump

- Used to transport heavy and loose materials
- Raised side and open top for easy loading
- Can unload materials in a long continuous line rather than a dumping pile, known as windrowing
- Safer to operate because the load is always at the center and doesn't shift



End Dump

- o Manage difficult materials
- o Carry larger loads
- o Heavy-sided design
- o Rapid unloading



Fall Safe Procedures

Causes of Dump Truck Tip-Overs

- Operating on uneven ground or a slope
- Operating on soft surfaces
- Materials are loaded unevenly
- The load does not flow during dumping
- Poor maintenance or mechanical failure
- The force of high winds



A slight slope can be enough to cause tipping if material sticks in the top of the box

Dump Truck Tip-over Prevention

1. Use the right type of dump truck for the job
2. Stay within regulated weight limits
3. Lighten the load when hauling poor-flowing materials
4. Check to see the vehicle is on even ground before dumping
5. Avoid soft, uneven surfaces
6. Make sure the tailgate is unlocked and the vehicle is on a reasonably level surface before dumping
7. Never dump near people or other vehicles
8. Establish and enforce safety procedures and policies

Dump Truck Tip-over Maintenance

- Implement a maintenance and inspection program
 - Check tire pressure
 - Examine and lubricate pins and bushings regularly
 - Inspect suspension systems
 - Inspect hoist cylinders
 - Leave repaired boxes unobstructed
 - Report damaged components

Let's hit the road!