

1. SAFETY

- Before starting the engine, always ensure that the service and parking brakes are fully engaged.
- Use steps and handhold for getting on or off the dump truck. **DO NOT JUMP OFF!**
- Keep hands, shoes, cab floor, and controls free from water, grease, and mud to insure non-slip control.
- Never attempt to start or operate a dump truck except from the operator's seat.
- Always look all around, behind and under the dump truck before moving.
- When transporting or driving on the road during the day or at night, use the Beacon light, accessory lights and other reflective devices for adequate warning to operators of other vehicles.
- Never coast downhill in neutral. Always maintain control of the dump truck. Do not ride the brakes. Always use proper speed and/or range of gears. Do not leave dump truck unattended while it is running.
- Do not oil or grease any part of the dump truck, while it is in motion.
- Never leave the engine running while making adjustments or repairs.
- Reduce speed before turning or applying brakes. Drive at posted speeds to insure operator safety, especially over rough ground.
- The speed of the dump truck on hillsides and curves should always be slow enough so there is no danger of tipping.
- Watch for overhead structures, electric cables, and wires. Never touch or place electrical wires near any part of the dump truck.
- Never allow anyone to work near or under a raised snow plow or attachment without it being properly chocked or secured.

- Do not leave snow plow or attachments in a raised position when not in use. Always lower the plow or attachments to the ground. Bleed the hydraulic pressure from all attachments at the end of the day or when shutting down the dump truck.
- Park the dump truck on level ground when possible and apply the parking brake. Use wheel chocks and parking brake if truck must be parked on a hill.
- Always look before backing up. A back-up alarm or a signalman should be used.
- A spotter and hand signals should be used when backing a dump truck.
- Remove all trash from the operator's cab daily, and lock the cab at the end of the day.
- Use caution when dumping your materials so no sudden moves are made that will cause the dump truck to tip over.
- When dumping, look around for obstacles and overhead obstructions.
- Ensure that the tail gate is properly unlatched before dumping.
- Dump material on as level ground as possible.
- NEVER start the salt spreader while there is someone standing near or by the spreader mechanism.
- After snow removal operations are complete, remove the plow and store in an accessible area. It is highly recommended to remove the plow frame and store with the plow. If the plow frame is not removed, the lift arm must be lowered to reduce the potential hazard to other vehicles.

STANDARD DUMP TRUCK SAFETY EQUIPMENT

- I. Horn (both warning and back-up).
- II. Seat belts and adjustable seat.
- III. Windshield wipers and washer fluid.
- IV. Steps and/or grab irons.
- V. Mirrors.
- VI. Parking and service brake.
- VII. Lights:
 - A. Beacon (warning).
 - B. Cab lights.
 - C. Work lights.
 - D. Plow lights (when applicable).

Personal Protective Equipment

- I. Fire Extinguisher.
- II. First Aid kit.
- III. Flares or Reflecting triangles.
- IV. Spare fuses.
- V. Flag and vest.
- VI. Two-way radio.

HAND SIGNALS

Occasionally you will need the assistance of a signal-person while operating a dump truck. The signal-person is used for safety purposes and to assist the dump truck operator in seeing behind and in front of the dump truck. In order for you as students to become familiar with hand signals, the following illustrations have been provided.

Maryland SHA Standard Safety Hand Signals.



IDENTIFICATION
(I will be directing you)



Start Engine



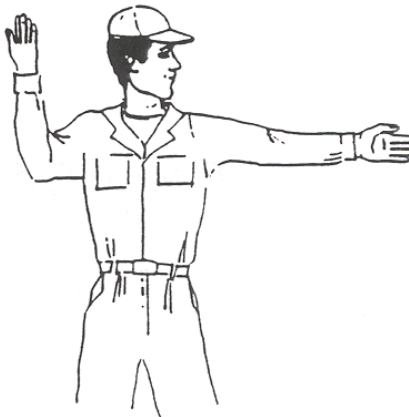
Stop Engine



Proceed Straight Back



Proceed Back to the Right



Proceed Back to the Left



Stop

FREQUENTLY USED HORN SIGNALS

Below is a list of horn signals used by operators and drivers whenever standard safety hand signals cannot be used. If there is no one available to assist in hand signals, it will be the operator's responsibility to get out and check around the dump truck before moving.

It is a good idea for an operator to use a sequence of horn signals instead of hand signals when backing up to or moving around equipment. This method is to create a safe working environment when there is a lot of heavy equipment activity, and a signal person cannot be used. The following sequence of horn signals is suggested:

One (1) Beep of horn = **Stop**.

Two (2) Beeps of horn = **Go ahead your done**.

Three (3) Beeps of horn = **Proceed back**.



MARYLAND STATE HIGHWAY ADMINISTRATION

Single & Tandem Axle Dump Truck
