



# ASPHALT TRUCK UNLOADING (DRIVER EDITION)

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## Unloading Asphalt Tank Trucks

Use of this process will help ensure that asphalt tank trucks can be safely unloaded without injury to personnel, damage to facility equipment, product loss to the environment, product contamination, or waste.

The facility manager or person in charge will be responsible for assuring these procedures are followed and that employees and contract personnel required to perform the procedure are properly trained and that all equipment is in good working order.

Basic training in, and the knowledge of:

- Mechanical principles (equipment operations, maintenance, tool use, vacuum/pressure, force, temperature, fluid flow, heat transfer)
- Asphalt knowledge (physical and chemical characteristics and hazards, handling and storage)
- Procedures (EH&S guidelines, HAZCOM, terminal rules, emergency response, equipment startup and shutdown, material measurement, work instructions, and record keeping).
- Manufacturing and Quality Assurance (scheduling, process control, specifications, customer requirements, production controls, sampling, testing, inspection, and documentation).

- DOT Regulations
- OSHA Hazard Communication

- Minimum Required Personal Protective Equipment
  - Hard Hat
  - Safety Glasses w/Side Shields (Tinted glasses may only be worn during daylight operations. Clear glasses or glasses designed to enhance lighting must be worn for nighttime operations).
  - Long Sleeve Cotton Shirt or Equivalent Outer Garment
  - Long Sleeve Cotton Pants
  - Leather Work Boots w/Non-Slip Soles Gauntlet Gloves (High Temperature Leather or Rubber)
  - Face shield While Transferring Product & Handling Hoses (Face shields may be made of clear plastic or mesh design).
  - Personal H2S Monitor

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### Warnings and Precautions:

- Hot asphalt can be very dangerous causing severe burns if handled improperly. Avoid contact or exposure: Do not breathe asphalt fumes. •
- Asphalt may contain Hydrogen Sulfide (H<sub>2</sub>S), use caution when working with asphalt.

### Emergency Instructions:

- In the event of an emergency, (spill, fire, injury, etc.) immediately shutdown the transfer if safe to do so.
- Notify the operator on duty, report the type of incident and if outside help is needed such as ambulance, fire department, etc.
- In the case of fire and safe to do so, utilize a fire extinguisher to control or extinguish the fire.
- If evacuation is necessary, report to the primary or secondary meeting locations as required. Do not leave the facility.

## Procedure Steps

## 1.0 Pre-Transfer Inspection and Connection

- 1.1 Upon entry into the facility stop at the Scale Building and notify the operator that you will be unloading.
- 1.2 Spot the truck at the designated unloading station and turn off the engine.
- 1.3 Exit truck and put on required Personal Protective Equipment.
- 1.4 Properly chock wheels
- 1.5 Ensure truck outlet valve and bleeder valve are in a closed position.
- 1.6 Open the dome lid on the trailer. Do not stand on top of the trailer, the dome should be opened from the ladder while maintaining 3-Points of contact with the ladder.
- 1.7 Place a drip pan beneath the truck outlet valve.
- 1.8 Remove the cap from the trailer outlet valve.
  - 1.8.1 If the trailer outlet valve is plugged with asphalt it is not permissible to dig out the plug or utilize a torch to dissolve the plug. This plug could be an indicator of a failed valve. It will be necessary to bring the trailer to your home shop for repair prior to unloading.
- 1.9 Remove the camlock plug from the facility unloading hose and ensure the gasket is in place.
- 1.10 Connect unloading hose and secure camlocks with a cord, wire, or Velcro strap.

## 2.0 Product Transfer

- 2.1 Energize the pump for the proper unloading hose.
- 2.2 Open the facility unloading valve for the proper unloading hose.
- 2.3 Verify suction through the trailer bleeder valve if the trailer is equipped.
- 2.4 Open the trailer outlet valve.
- 2.5 Inspect the connections to ensure there are no leaks. If a leak is found close the trailer outlet valve, evacuate the cargo hose, and make the necessary adjustments to ensure the connection is leak free.

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- ### 3.0 Disconnection and Securing

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