

GUIDELINES FOR UNLOADING BITUMEN FROM A ROAD TANKER

I. General Information

1. This instruction concerns the safety regulations, actions, and responsibilities of the driver during the unloading of bitumen at UNIMOT Bitumen Production Facilities and at product delivery sites.
2. Bitumen unloading may only be performed by a driver holding a valid qualification certificate for filling and emptying transport tanks for the carriage of dangerous goods of class 9 according to ADR, issued by the Transport Technical Supervision (TDT).
3. Upon arrival at the delivery site, the driver is obliged to verify that they have arrived at the correct address.

II. Safety and Communication Rules

1. The driver is required to comply with the safety regulations and rules in force at the delivery site, including the UNIMOT Bitumen Production Facilities.
2. The transport unit must be equipped in accordance with ADR requirements with instructions, general and personal protective equipment, additional equipment considering the hazards for class 9, and fire protection equipment.
3. Vehicles forming the transport unit (tractor, semi-trailer, or trailer) must meet at least the construction requirements for AT-type vehicles, which may be replaced by FL-type vehicles (FL > AT), and must hold a valid TDT approval certificate.
4. The tank dedicated for bitumen transport must meet the minimum construction requirements specified by the LGAV code. A tank meeting higher standards may be used in accordance with the tank hierarchy (4.3.4.1.2 ADR).
5. Tanks dedicated for bitumen transport must be equipped with thermal insulation.
6. At the delivery site, the driver is prohibited from:
 - smoking tobacco products and e-cigarettes outside of designated and properly marked areas,
 - using gas stoves or open flames,
 - using any sparking or electric tools,
 - using electrical devices,
 - performing vehicle repairs,
 - consuming alcoholic beverages or using intoxicating substances,
 - taking product samples,
 - leaving the vehicle with the engine running,
 - moving outside the designated unloading area,
 - blocking fire lanes, access to firefighting systems, or fire water reservoirs,
 - unloading the tank during a thunderstorm,
 - staying in the restricted access area behind the tank during unloading, including manipulating the discharge hose connection.
7. The driver is required to change clothes before entering the unloading station (meaning exiting the vehicle in full, fastened protective clothing):
 - protective clothing with antistatic properties,
 - oil-resistant safety footwear with antistatic properties,
 - heat-resistant protective gloves with long cuffs,
 - industrial safety helmet with face and neck shield.
8. Any failure resulting in bitumen leakage and injury to persons, material damage, or the involvement of emergency services must be immediately reported to the Dangerous Goods Safety Adviser (DGSA ADR) and to the person managing the Logistics Office at UNIMOT Bitumen.

III. Driver's Actions Before and During Tank Unloading

1. Upon arrival at the delivery site, the driver reports their presence and readiness to unload to the person responsible for unloading.
2. The driver receives information about which tank the product will be unloaded into, where to park, and the route to follow.
3. The driver ensures that the unloading installation is technically functional.
4. The driver secures the vehicle using the parking brake to prevent unintentional movement and grounds the transport unit.
5. The driver exits the cabin wearing full protective clothing. It is forbidden to remove or wear unfastened protective clothing during unloading.
6. The driver checks the technical condition of the unloading hose, then connects it and verifies the correctness of the connection. In the case of gravity or pump unloading, the driver opens the top hatch of the tank to prevent vacuum formation inside. Before entering the top platform, the driver places a safety barrier.
7. The driver designates a restricted access area behind the tank on both sides of the flexible hose and its connections.
8. Before starting the unloading, the driver ensures the following:
 - knows where the emergency pump shut-off button is located,
 - the emergency stop system on the tank is functional,
 - knows the location of the emergency safety shower,
 - is familiar with the evacuation route.
9. It must be ensured that no unauthorized persons are within a 6-meter radius of the unloading area.
10. Unloading must be immediately stopped if any leaks, tank overfilling, or other dangerous situations are detected.
11. The driver is required to be present throughout the unloading process and to monitor its progress, including the level in the storage tank, if possible.
12. Supervision of unloading should be carried out from a location allowing immediate shutdown of the process in case of an emergency.
13. The vehicle engine must remain off, except when necessary to operate unloading equipment.

IV. Driver's Actions After Tank Unloading

1. The driver must ensure that the tank has been completely emptied.
2. After unloading, the driver must ensure that the tank is properly closed, as in the loaded state.
3. The driver must exercise particular caution when disconnecting the unloading hose to prevent any residual product from leaking uncontrollably and contaminating the area.
4. If the internal temperature of the tank exceeds 100°C after unloading, the driver must provide appropriate vehicle marking.
5. The driver updates the transport document with the note: "empty tank vehicle" and the last transported product.
6. The driver is required to report the completion of unloading to the recipient's representative and obtain confirmation on the delivery document and the transport list.
7. The driver should leave the unloading area in the same condition as it was found.
8. In case of area or installation contamination due to the driver's failure to comply with the applicable regulations, the driver is obliged to restore the site to its pre-unloading condition.
9. The transport unit must leave the facility using the designated route.
10. If unloading exceeds 3 hours from the time indicated in the order or from the moment the tank is positioned for unloading, the driver must complete a parking card.