



## Sécurité contre l'incendie – Prescriptions liées aux :

- Station-service temporaires et dépôts de carburants (liquides et gazeux)
- Transport de carburant liquide

Mise à jour : **OCTOBRE 2025**

# 1. Temporary Fuel Stations and Fuel Storage (liquid and gaseous)

All measures must be implemented before the connection and commissioning of the refueling station.

## 1.1 Refueling Area

1.1.1 Access for emergency services must be ensured in case of an incident within the designated area.

1.1.2 The refueling area (generators, fuel depot, pumps, etc.) must be enclosed with reinforced construction fencing (3.50 m x 2.00 m, Héras type), securely fastened with steel clamps. An access gate must be provided for vehicle entry and exit. A clear internal space of at least **5 meters** must separate the installations from the area boundary.

1.1.3 This area is exclusively reserved for fuel storage and refueling operations. It is **strictly off-limits** to the public and must be located at least **5 meters** away from any building or structure.

1.1.4 Areas used for **liquid fuel storage/refueling** must be **separated** from those reserved for **gaseous products**.

1.1.5 The site must be under **continuous supervision** (security guard or technician).

1.1.6 Fuel storage units and dispensers must be protected from vehicle impact using **concrete safety barriers** (*Jersey-type*) to prevent accidental collisions.

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## 1.2 Storage Area

1.2.1 If the storage area is separate from the refueling area **and/or** the quantity of flammable liquid exceeds **250 liters** or includes **combustible gases** (H<sub>2</sub>, LPG, etc.), handling must be carried out:

- under the **supervision of a trained and authorized operator**,
- **outside public opening hours**,
- using appropriate **lifting equipment**.

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## 1.3 Signage

1.3.1 Safety signage must clearly indicate **no smoking, no mobile phone use, gas hazards**, and **ATEX precautions** near the area.

1.3.2 A **speed limit of 25 km/h** applies throughout the area.

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## 1.4 Technical Installations

1.4.1 All equipment within refueling and/or storage zones must be **designed and certified for safe operation in ATEX zones**.

1.4.2 Only **hand-operated, pneumatic or explosion-proof electric pumps** are permitted.

1.4.3 Installations must be set on a **flat, stable surface** with a **maximum slope of 5%**.

1.4.4 Connection and disconnection of supply tanks must be performed by **trained and authorized operators**.

- 1.4.5 Mobile fuel tanks supplying pumps must be placed on **spill containment trays**.
- 1.4.6 Handling of mobile tanks must be supervised by qualified operators.
- 1.4.7 All technical installations (electrical, gas, fuel distribution, etc.) must comply with applicable standards and be **inspected by an approved organization**. Temporary installations are also subject to inspection.
- 1.4.8 **Mechanical protection** must be provided to prevent damage or accidental disconnection of **electrical cables** and **fuel lines** (liquid and gaseous).
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### 1.5 Fire Safety and Firefighting Equipment

- 1.5.1 An adequate supply of **absorbent material** must be available at each refueling unit.
- 1.5.2 For **pneumatic and/or electric pumps**, a **50 kg ABC powder extinguisher** must be located near each refueling point. A minimum of **two 6 kg ABC powder extinguishers** is required for manual pumps.
- 1.5.3 The storage area must be equipped with **one 6 kg ABC powder extinguisher per 5,000 liters of fuel**.
- 1.5.4 Refueling towers (pneumatic and electric) and connected drums must be **grounded** using **equipotential bonding cables** (clamp-type bonding devices are not permitted).
- 1.5.5 Refueling operations must be performed by **trained and authorized personnel** wearing **flame-resistant clothing**. Each pump must be staffed by a **fuel operator** and a **first-response team member**.
- 1.5.6 Vehicle engines must be **switched off and grounded (if applicable)** during refueling operations.
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### 1.6 Special Provisions

- 1.6.1 When a **temporary refueling installation** is installed within the **24 Hours Paddock**, adjacent and opposite garages (including upper terraces) must remain **unoccupied**, except for **security and refueling staff**.  
Electrical power to these garages must be **disconnected** before installation and **restored one hour after complete dismantling**.  
Garages must be **thoroughly ventilated**.  
**Only vehicles using liquid fuels** may be refueled in this configuration.
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## 2. Transport of Liquid Fuel

### 2.1 General Requirements

- 2.1.1 Fuel transport must be carried out using a **trailer towed by a motorized vehicle**.
- 2.1.2 The total quantity transported must **not exceed 240 liters per transport unit**.
- 2.1.3 The **maximum driving speed** is **25 km/h**.
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### 2.2 Containers

- 2.2.1 **Metal containers** may have a **maximum capacity of 60 L**.
- 2.2.2 Containers must display **hazard labels** identifying the transported material.
- 2.2.3 Containers previously used for other substances **may not** be reused for fuel transport.
- 2.2.4 Containers, whether full or empty, must **remain tightly closed at all times**.
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### 2.3 Loading

- 2.3.1 Containers must be **securely fastened and wedged** on the trailer to prevent movement or friction, using a **purpose-built support structure**.
- 2.3.2 The load's **center of gravity** must be kept **as low as possible** to minimize rollover risk.
- 2.3.3 During fuel transport, the load must **consist exclusively of dedicated fuel containers**.
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## 2.4 Towing Vehicle

2.4.1 The towing vehicle must be capable of **safely towing and braking** with a fully loaded trailer.

2.4.2 It must have a **fully functional parking brake**.

2.4.3 A **6 kg powder or 6 liter foam fire extinguisher** must be carried on board, **easily accessible at all times**.

2.4.4 The presence of a **co-driver/assistant** is mandatory.

2.4.5 The vehicle engine must be **switched off during all handling operations**.

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## 2.5 Transport Trailer

2.5.1 Trailer wheels must be **pneumatic or rubber-tired**, with a **minimum load capacity of 200 kg per wheel** and a **minimum diameter of 200 mm**. Wheel hubs should preferably be fitted with **ball or needle bearings**.

2.5.2 The **tow hitch and coupling device** must be **CE approved**.

2.5.3 A **safety chain or cable** attached to the trailer drawbar must be connected to the **tow hitch**.

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## 2.6 Handling and Safety

2.6.1 Both the **driver and assistant** must wear **flame-retardant clothing**.

2.6.2 Containers must be **unloaded before any fuel transfer** operation.

2.6.3 **Smoking or the use of open flames** is strictly prohibited during transport.

2.6.4 Entering the **cargo area** of a covered vehicle transporting flammable liquids is **prohibited** unless lighting devices are **specifically designed to prevent ignition** of flammable vapors.

2.6.5 A **technical steward or official** must be present during refueling operations to ensure compliance with these safety requirements and to apply penalties in case of violations.

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