



CONCEPT ADR AT EX



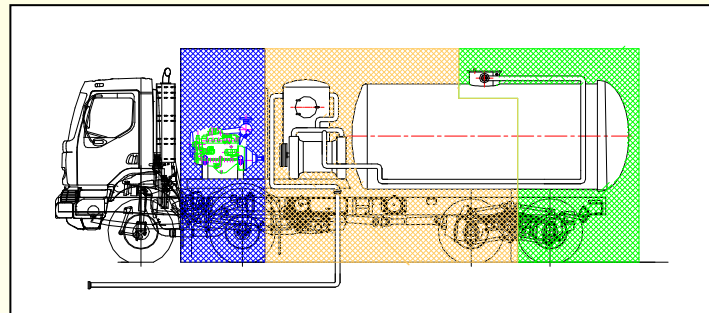
In conformity with ADR 2009 and ATEX norms
(directives 94/9/CE and 99/92/CE)

For hazardous wastes which can be carried in tanks L4AH-S4AH and products which may generate explosive atmospheres

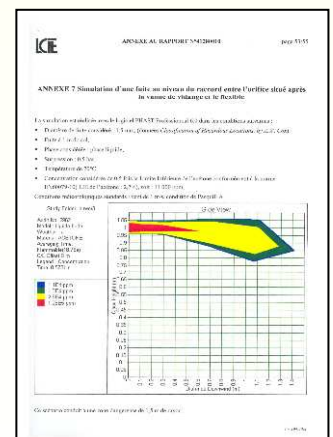
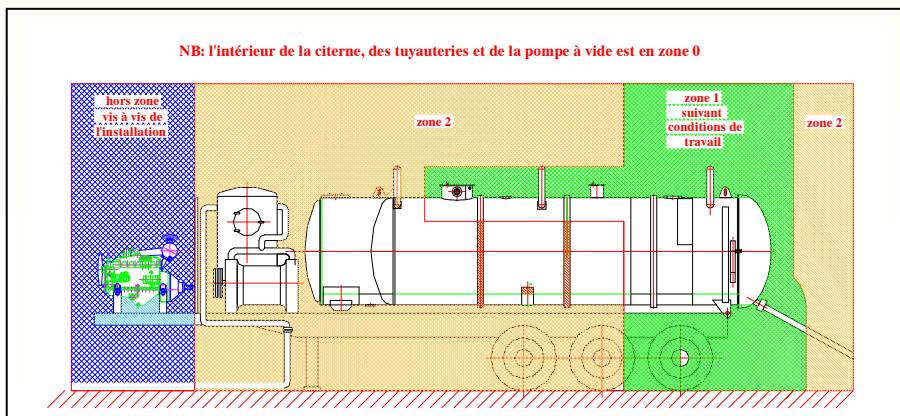
The approval requires :

- Functional analysis of the equipment
- Classification of the zones with explosion risks made by a notified organization
- Analysis of the electric and non electric ignition sources (accord. to norm EN13463 about the drive system of the pumps, the circuits, the equipment, etc...)

Equipment features



- ✓ Semi-trailer : G.V.W : 34 tons, pneumatic suspensions with load indicators
Tank capacity : 19.5 m³ for combi unit or 22 m³ for suction unit
Combi unit or suction unit mounted on a frame with auxiliary engine
- ✓ Chassis-cab : G.V.W 32 tons or 26 tons
Tank capacity : 14 m³ for 32 tons chassis and 11.5 m³ for 26 tons chassis
- ✓ Opening rear door with hydraulic locking, hydraulic tank tipping
- ✓ Water ring pump Alphatex , 1600 m³ at 0.6 bar depression, certified EX II 1G, zone 0 internal)
- ✓ Water pump for low, high or very high pressure, power from 50 to 180 hp, with hose reel (power limited to 50 hp if required with suction unit)



Study of diffusion

The inside of the tank, of the pipes and of the vacuum pump are in zone 0
The auxiliary engine is located outside the risk area in relation with the equipment
Zone 0 : Explosive atmosphere, permanently, during long periods or frequently present.
Zone 1 : Explosive atmosphere which may occasionally appear in normal work conditions
Zone 2 : Explosive atmosphere which may appear in abnormal work conditions