



**“Blue Book” Third edition
Update.
Forecourt LPG Installations**

Related legislation.

- Dangerous Substances and Explosive Atmosphere Regulations DSEAR
- Pressure Systems Safety Regulations -PSSR
- Provision and Use of Work Equipment Regulations - PUWER
- Control of Substances Hazardous to Health - COSHH
- Regulatory Reform (Fire Safety) Order 2005 – RRFSO
- Working at Height Regulations
- Confined Spaces Regulations

Provision and Use of Work Equipment Regulations

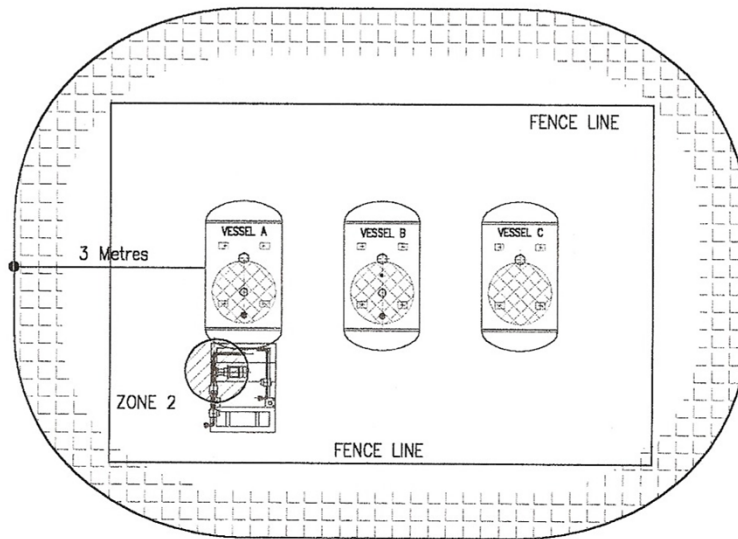
Requires every employer

“to ensure that where work equipment is likely to involve a specific risk, the use of that equipment is restricted to those persons given the task of using it and repairs, modifications maintenance or servicing that work equipment is restricted to specifically designated persons whom the employer must ensure have received adequate related training.”

Site Operator - Responsibilities

- Risk assessment of all activities involving dangerous substances
- Training of employees
- Control personnel working on site to ensure properly trained and with correct PPE
- Overall responsibility for equipment on site containing dangerous substances – even if owned by others

Typical Hazardous Area Classification (zoning) diagram



HAZARDOUS AREAS



NOTES

1. TEMPORARY ZONE 1—500mm AROUND ORIFICE OF FIXED LIQUID LEVEL VALVE AND FILL VALVE AND FILL CONNECTION BUT ONLY DURING OFFLOADING
2. RELIEF VALVE NOT ZONED BUT NO FIXED ELECTRICAL EQUIPMENT ABOVE THE VALVE.
3. 500mm RADIUS ZONE 2 AROUND PUMP SEAL VENT
4. 500mm RADIUS ZONE 2 AROUND HYDROSTATIC RELIEF VALVES.
5. ALTHOUGH SEPARATION DISTANCE IS NOT A ZONED AREA ANY ELECTRICAL APPARATUS IN THIS AREA SHOULD BE SUITABLE FOR ZONE 2 USE.
6. FOR HAC OF OTHER AREAS SEE UKLPG CoP 20 AND/OR INDIVIDUAL SITE ASSESSMENTS.

Above ground vessel separation distances

Individual Vessel capacity. Tonnes	Minimum separation distance. Metres	
	Buildings /boundaries	With radiation wall
0.25 to 1.1 (Max total 3.5)	3	1.5
1.1 to 4.0 (Max total 12.5)	7.5	4

Suitable emergency shut down



Maintenance

Separation of Written Scheme which is a legal document and specific in application from maintenance of remainder of installation.

Annual survey

In service inspection

Thorough inspection

New document for hoses UKLPG UIS0024.

Cylinders on forecourts.

Filling of “loose” cylinders on forecourts are not recommended; new edition of UKLPG IIS028 being prepared.

New IIS will include the legal obligations if an operator decides to carry out this action.

“Loose” cylinders cannot be filled by members of the public as this is considered to be a “work activity”.