



Risk Assessment – Storage and Use of LPG.

Company:	SES Engineering (Newark) Ltd	Date:	16.05.2022	Review Date:	16.05.2023	Ref:	SES/0031
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Operation:	Storage and Use of LPG.			Persons at risk:	Employees, 3 rd parties			
HAZARD	Assessment			CONTROL MEASURES TO REDUCE THE RISK	Re-assessment			
	S	L	R		S	L	R	
Explosion	4	5	20	Store cylinders in an open mesh, lockable container away from buildings, public access routes, heat, and ignition sources. Only cylinders connected to equipment to remain in the work area. All LPG equipment will receive planned maintenance - any faults detected must be reported immediately, work using the LPG must stop immediately and the LPG bottle isolated in a well-ventilated area free from any sources of ignition. Empty cylinders must be segregated and stored in mesh container.	4	1	4	
Fire	4	5	20		Cylinders must be kept away from flammable materials, heat sources and all sources of ignition. See COSHH assessment for specific firefighting measures. Hot work permits and relevant control to be in place for all hot work procedures involving LPG or its presence. Hot work area to be checked on completion to ensure that there is no risk of fire. Signage must be in place warning of the hazards, which exist (both in storage and when LPG is in use). No smoking areas must be enforced.	4	1	4
Asphyxia	4	3	12			Adequate ventilation must be provided both when LPG is being used and whilst in storage. In cases where ventilation is poor gas detectors must be used and appropriate escape routes marked.	4	1

Likelihood →	Likely	Probable	Possible	Unlikely	Very unlikely
↓ Severity	(5)	(4)	(3)	(2)	(1)
Death (4)	20	16	12	8	4
Major Injury (3)	15	12	9	6	3
Minor Injury (2)	10	8	6	4	2
No Injury (1)	5	4	3	2	1

KEY: S = Severity

L = Likelihood

R = Risk rating

12-20 High risk
8-10 Medium risk
1-6 Low risk

PPE Required:

Hard hat	Y
High vis clothing & boots	Y
Eye/ ear protection	As necessary
Suitable gloves	Y
Respiratory equipment	As necessary
Safety harness	Y

Risk assessment to be reviewed every 12 months or following an accident / incident.