



Risk Assessment – Gas Cutting & Equipment.

Company:	SES Engineering (Newark) Ltd	Date:	16.05.2022	Review Date:	16.05.2023	Ref:	SES/0016
-----------------	------------------------------	--------------	------------	---------------------	------------	-------------	----------

Operation:	Gas Cutting & Equipment			Persons at risk:	Employees, 3 rd parties		
HAZARD	Assessment			CONTROL MEASURES TO REDUCE THE RISK	Re-assessment		
	S	L	R		S	L	R
Fire.	4	4	16	Make sure you use the correct fire extinguisher that has been correctly tested. For areas of risk use fire watcher or watch fires starting, they must have the correct PPE. Remove any flammable substances from the working areas. Use correct flashback arrestor at bottle to avoid burn back. Check equipment for safety.	4	1	4
Burns.	4	4	16	Make sure the operatives use the correct PPE, gloves, mask or approved eye protection, boots, and overalls. Make sure that there is proper storage of gas bottles. Make sure the operator is fully trained in the use of the equipment. Always make a clean safe working area.	4	1	4
Inhalation of fumes.	4	3	12	Make sure the work area is well ventilated especially in confined spaces. If appropriate ventilation is not available operatives must wear appropriate RPE.	4	1	4
Storage of equipment on trolley when not in use.	4	4	16	Gas bottles on trolley to be fully secured with chain. Hose to be neatly wrapped. Gas to be purged from pipes. Regulator to be turned off. Gas bottles to be turned off. Trolley to be kept on level ground away from ignition sources. Trolley to be kept in own cage.	4	1	4
Manual Handling.	4	4	16	Make sure the operatives use the correct PPE e.g., gloves mask or approved eye protection, boots, and overalls. Make sure correct position when moving trolley or bottles. Always have safety chain on when moving trolley. Clear route when moving trolley.	4	1	4
Gas Leaks.	4	3	12	Make sure the area is well ventilated. Annual Inspections of Oxy Fuel Gas Equipment and Mobile Gas Cylinder Regulators in accordance with BCGA CP7 and GN7.	4	1	4



Likelihood →	Likely (5)	Probable (4)	Possible (3)	Unlikely (2)	Very unlikely (1)
↓ Severity					
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	Y
Suitable gloves	Y
Respiratory equipment	Y
Safety harness	As necessary

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