

RA46

RISK ASSESSMENT



Operation/Activity:

Working on Gas Systems

Site / Location:

All Sites

Categories of persons at risk (tick appropriate boxes)

Employee	✓	Pregnant person		Visitor		Disabled Person	
General Public		Lone worker	✓	Young Person		Others	

Risk Severity

Risk Likelihood		Insignificant 1	Minor 2	Significant 3	Major 4	Severe 5
	5 Almost Certain	Medium 5	High 10	Very High 15	Extreme 20	Extreme 25
	4 Likely	Low 4	High Medium 8	High 12	Very High 16	Extreme 20
	3 Moderate	Low 3	Medium 6	High Medium 9	High 12	Very High 15
	2 Unlikely	Very Low 2	Low 4	Medium 6	High Medium 8	High 10
	1 Rare	Very Low 1	Very Low 2	Low 3	Low 4	Medium 5

Action level	Classification	Additional Actions
1-4	Acceptable	No further action
5-9	Adequate	May consider for further analysis
10-16	Tolerable	Must review in a timely manner
17-25	Unacceptable	Must Implement Cease in activities

Assessed By:

Craig Knights

Date:

17/03/2026

Reviewed By:

Craig Knights

Date:

Reason For Review:

Annual review and transfer onto new format risk assessment sheet

Approved by:

Henry Duff

Date:

17/03/2026

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Summary of detailed assessments from below

Hazard	Who Might be harmed and how	Risk Rating (Before Controls)	Likelihood (L)	Severity (S)	Risk (L x S)	Residual Risk Rating
H1	Exposure to heat (burns)	Medium	2	3	6	Medium
H2	Inhalation of fumes	Medium	2	2	4	Low
H3	Fire and explosion	High	2	4	8	High Medium
H4	Working in confined spaces	Medium	2	3	6	Medium

OVERALL RISK RATING PREDOMINANTLY = LOW

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Hazard	Existing risk control measures in place	Residual Risk			At Review if immediate action cannot be taken		
		Severity	Likelihood	Risk	Further actions needed to control the risk	Who needs to carryout action	When action is needed by
General	Gas machinery or supplies must not be used in any way that may cause danger or injury.						
	Only qualified Gas Safety Registered staff will carry out maintenance on the gas equipment.						
	Equipment will be used in accordance with the manufacturer's instructions.						
	Items will not be used for a purpose that it has not been specifically designed for.						
	Items that are suitable for gas must only be used for the specific family of gas that they are specified for and only in situation suitable for the item						
H1 Burns	Appropriate PPE should always be worn when working one equipment. This will include: Safety shoes Glasses Face protection Overalls	3	2	6			
H2 Inhalation of fumes	Check the soldering equipment is not faulty. If equipment is found to be faulty, they must cease to be used until repairs have been carried out and they are deemed safe.	2	2	4			
	Ensure that there is sufficient ventilation in the working area.						
	When working in enclosed space consider using alternatives jointing methods						

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H3 Fire and explosion	Before commencing work in this area or on a particular task, operatives will ensure that all the safety precautions are in place and that the area is clean and tidy.	2	4	8			
	The working area will be kept clear of all combustible materials at all times.						
	Appropriate means of fire protection must be available in this area at all times.						
H4 Confined spaces	Avoid working within confined spaces where possible.	2	3	6			
	Where work in confined spaces is unavoidable, ensure that adequate ventilation has been installed and is reliable.						