

RA45

RISK ASSESSMENT



Operation/Activity:

Working in Confined Spaces

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:	17/03/2026
Reason For Review:	Annual review and transfer to new format risk assessment		
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	Operatives Working in an atmosphere which is toxic, explosive or deficient in oxygen	High	1	4	4	Low
H2	An in-rush of liquid, gas or solids	High Medium	1	4	4	Low
H3	Exposure of individual to disease bearing organisms	Medium	2	2	4	Low
H4	Evacuation of sick or injured workmen	High	2	3	6	Medium
H5	Falls down shafts or sumps	Medium	1	3	3	Low
H6	Exposure to excessive noise	Medium	2	2	4	Low

OVERALL RISK RATING PREDOMINANTLY = LOW

RA45

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Hazard	Existing risk control measures in place	Residual Risk			At Review if immediate action cannot be taken		
		Severity	Likelyhood	Risk	Further actions needed to control the risk	Who needs to carryout action	When action is needed by
General	All operatives will be trained and competent to carry out the works required.						
	A permit to work system will always be used, in which each step is planned, and all foreseeable hazards are taken into account.						
	No lone working to be carried out, documented evacuation plan must be in place						
	All workers will be warned of the health risks specific to their task and will be provided with written information on those risks to present to their doctor in the event of illness.						
H1 Oxygen	No work will be undertaken in environments that are deficient in Oxygen	4	1	4			
	Atmospheric tests will be carried out before any personnel enter the area.						
	The atmosphere will be continually monitored during the works to ensure oxygen levels are sufficient.						
	All workers will be trained in the use of monitoring equipment and evacuation procedures.						
	If atmospheric tests are discovered to be negative, the space will be purged and re-tested.						

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	Where the atmosphere cannot be adequately ventilated, breathing apparatus will be worn, but only if alternative methods cannot be adopted.						
	If breathing apparatus has to be used, special training will be given to all relevant operatives.						
	When air purging is taking place, it will be ensured that the flow of air is of sufficient volume and velocity so that no pocket or layers of gas remain undisturbed.						
H2 In-Rush	No work will be undertaken in environments that are likely to be subject to in rush of such liquids as sewage	4	1	4			
	The area of work will be cleaned, drained and purged as is necessary for the type of work to be undertaken and the type of entry to the area.						
	All access points for effluent or process materials will be locked off and sealed before personnel enter the area.						
H3 Disease	Operatives will wear gloves at all times and will avoid making glove contact with exposed skin. Hands and gloves will be thoroughly cleaned after the works, if the task being undertaken is likely to expose the operative to anything that is deemed to possibly be carrying a pathogen	2	2	4			
H4 Evacuation	Operatives must never stack materials on the access system. Debris will be removed on a regular basis. Items will never be propped against toe boards or intermediate guard rails.	2	3	6			
	Only the minimum number of workers required to carry out the work safely will be permitted to enter.						
	Work will not exceed the time limits or safety parameters of the permit, without authority of the Safety Director.						
H5 Falls	No work will be undertaken in confined spaces where falls are likely to happen requiring the use of fall arrest equipment.	1	3	3			
H6 Noise	Operatives working in confined spaces will wear ear protection provided where deemed necessary.	2	2	4			

RA45	RISK ASSESSMENT	 Home Heating and Energy Solutions
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