

RA12	RISK ASSESSMENT	 Home Heating and Energy Solutions
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Operation/Activity:	Hot Works Work with equipment on sites, which can act a source of ignition for fire, e.g. Soldering operation using an open flame.
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Site / Location:	All Sites
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Persons at Risk (tick appropriate boxes)			
Employee	✓	Pregnant Women	
Visitor	✓	Disabled Persons	
General Public	✓	Lone Workers	✓
Young Persons		Others	✓

GUIDE TO RATINGS:

Risk Severity		Risk Likelihood		Risk Rating	
1	Negligible	1	Unlikely	1 - 6	Low
2	Minor	2	Possible	7 - 14	Medium
3	Significant	3	Quite Possible	15 - 25	High
4	Major	4	Likely		
5	Catastrophic	5	Very Likely		

Overall Risk Rating = Medium

Describe the hazards associated with the activity/operation.						
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		Risk Rating (Before Controls)	Summary of Assessment Overleaf			
			Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating
H1	Fire / Explosion. (Serious injury or fatality from burns / inhalation of combustion products).	High	2	4	8	Medium

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Reviewed By:	Craig Knights	Date:	19/08/25
Approved By:	Gary Robinson	Date:	19/08/25

Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
al	- Hot works must be avoided where practicable. - Work equipment shall be suitable for its intended purpose. - Only qualified staff to carry out hot works. - Equipment shall be gas tight in order minimise leakage into the atmosphere. - A permit-to-work system must be introduced where significant risks present themselves in relation to hot works. - The fuel used in hot working equipment must be stored in a safe location with minimal quantities available for use at the workplace. - Unless the flame generated by hot working equipment can be seen at all times when in use, then a flame failure device must be installed. - Where equipment is liable to generate substantial heat, it should be placed on a suitable fire-resistant mat, sheet or other material. - Suitable and sufficient fire extinguishers must be available at all times local to any work which is liable to generate heat, sparks or naked flames. - PPE appropriate to the task must be worn during the hot works operation, determined by the location of the hot works.			
H1 Fire / Explosion	- Where possible move the work piece to a safe location for the hot work process to be carried out. - Remove any combustible materials (e.g. flammable liquids, wood, paper, textiles, packaging or plastics) from the vicinity of the work. - Protect any combustible materials that cannot be moved, from close contact with flame, heat using proprietary burn barriers, (wet paper roll or cloths should not be used due to their ability to dry out and ignite). - Post hot works cooling of the soldered items should be undertaken to remove residual heat and reduce heat transfer. - Suitable and sufficient fire extinguishers must be available at all times local to any work which is liable to generate heat or naked flames. - All hot works must stop at least 60 mins before the end of the working day and all areas where hot works have taken place checked to ensure that the area is cold with no signs of residual heat and/or smouldering.	2	4	8