

Risk Assessment

RA016 – Hot Works

ABI Equipment Ltd	Creation Date: 28/09/2012
Hot Works	

Main Hazards are:	
Burns to individual	Ignition of local flammable substances
Fire	Asphyxiation
Persons / Property affected	
All Employees	General Public
Visitors	Other Workers in the area

Assessment of Risk:	Severity	4	X	Likelihood	3	= Risk	12
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Control Measures already in Place	PPE Required
1. Hot works should only take place in the welding bay or outside the building (Unless authorised by the service manager).	Safety helmets <input type="checkbox"/>
2. Where possible all flammable material should be removed from the welding operations area.	Hi-Vis Jackets <input type="checkbox"/>
3. Hot works permit to be used for all hot works.	Safety footwear <input checked="" type="checkbox"/>
4. Fire extinguisher at place of work.	Eye protection <input checked="" type="checkbox"/>
5. Storage of gas bottles to comply with legislation.	Dust masks <input checked="" type="checkbox"/>
6. The fume control equipment and/or suitable ventilation should be used as provided.	Ear plugs <input type="checkbox"/>
7. Hot works must finish at least 1 hour before end of shift.	Earmuffs <input type="checkbox"/>
8. The workplace must be checked for minimum of a 30 minutes after completion of the work to check for any remaining fire hazards or remaining ignition sources and again before end of day.	Gloves <input type="checkbox"/>
9. Correct PPE to be used and all work to be carried out by a Permit which meets the requirements of the MALA insurers.	Protective overalls <input checked="" type="checkbox"/>
	Gauntlets <input checked="" type="checkbox"/>
	Harnesses <input type="checkbox"/>
	Breathing apparatus <input checked="" type="checkbox"/>
	Face masks <input type="checkbox"/>

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Additional Controls required	PPE/Equipment
All personnel involved in the work should be trained to perform their duties with due regard to the health and safety of themselves and anyone else who could be affected.	All personnel MUST wear the appropriate level of PPE for the activity they are involved with or area they are in.
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Cathy Sheehan	28/09/2012
Updated by	Ash Soliman	24/09/2024
Review by:	Ash Soliman	24/09/2024

Risk Assessment

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RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

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