



Risk Assessment

IMS Form048
Issue 01 Dated Oct 2020

Operation / Task:	Hotworks	Name of Assessor:	Rhys Milton
Assessment Ref:	RA023	Date of Assessment:	02.01.2024
Persons at Risk:	ASW Employees	Reviewed by	R. Milton
Location / Area:	ASW Health and Safety Assessment 2024	Review date	31.12.2024

Ref	Activity	Hazard	Risk	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating			Comment
				L	S	LxS		L	S	LxS	
1	Hotworks including welding, soldering, grinding or cutting	Risk of Fire from welding, soldering, grinding or cutting	Fire and explosion, serious or fatal burn injuries.	4	5	20	Permit to Work system should be implemented and followed. The permit should only be valid for a limited period of time and should be a means of ensuring that: – the area is made as safe as possible before the work starts, – precautions are taken while the work is in progress, – the area is checked afterwards. Only trained and competent personnel to perform task and use equipment for hot works. 110V equipment to be used at all times. Appropriate PPE including hard hat/ eye protection (goggles/face shield), hearing protection, gloves, RPE should be worn during task. Emergency Plan to be agreed and communicated prior to works commencement. This will include: - provision of escape routes and signage; placing of fire points with alarms and extinguishers, together with notices indicating emergency procedures. All persons on site will be informed of Emergency Plan during Site Induction. Display adequate emergency procedures notices and means of raising the alarm. Before starting hot work, the area must be cleared of all loose combustible material. Exposed wooden flooring and other items of combustible material, which cannot be removed, must be covered in sand or other non-combustible material. If work is to take place on one side of a wall or partition, the opposite side must be examined to ensure no combustible material will be ignited by conducted heat. When welding, cutting or grinding, the work area must be suitably screened using non-combustible material. Gas cylinders must be secured in a vertical position on a trolley and fitted with a regulator and flashback arrestor. Work areas and all adjacent areas to which sparks and heat might have spread (such as floors above and below and on opposite sides of walls) shall be inspected one hour after the work finished. Good housekeeping is essential on all sites. Combustible materials must be stored in a safe place outside the buildings under construction/ refurbishment. Where they have to be stored within the buildings, areas where any hot work or other ignition hazard is present should not be used and quantities should be kept to a minimum. Suitable extinguishers of appropriate types must be at hand and a careful watch must be kept for fire breaking out whilst work is in progress.	1	5	5	



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Likelihood	Severity	Risk factor (Likelihood x Severity)	
1 = Highly unlikely	1 = Insignificant	High Risk = 15-25	Unacceptable Risk. If Post Control risk, work must not commence.
2 = Unlikely	2 = Injury (first aid, no lost time)	Medium Risk = 8-12	If Post Control risk, high level of discipline required & monitoring to consider further controls where possible
3 = Possible	3 = Lost time injury	Low Risk = 1-6	Acceptable Risk assuming all controls in place effectively and workforce aware
4 = Probable	4 = Major injury / disabling condition		
5 = Inevitable	5 = Fatality		

I have read and understand the requirements of this risk assessment.

Name	Signature	Date