Risk Assessment

IMS Form048
Issue 01 Dated Oct 2020

Operation / Task:	Electricity	Name of Assessor:	Rhys Milton
Assessment Ref:	RA020	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	**Working with or near electricity and electrical equipment**	electric shock and burns from contact with live parts/ poorly maintained equipment/bad housekeeping	Major or fatal injury	4	5	20	Only competent and trained personnel to carry out task. 110V equipment to be used at all times. Pre-User equipment checks to take place prior to use. All portable equipment to be PAT tested every six months. Electricity power source should be dead – tested as dead before works commencement. Locked out and Tagged Out so others are aware of ongoing works. Permit to Work system to be followed where applicable. Appropriate PPE to be worn and where necessary extra precautions should be taken (i.e. rubber mat). Seek Emergency Help if person suffers electric shock and burns	1	5	5	
		injury from electrical arcing including Overhead Power cables	Major or fatal injury	4	5	20	Overhead Power Cables are usually un-insulated (bare conductors). The distance that the arc can jump depends on the voltage and environmental factors (e.g. humidity). No electrical work to take place at height in wet/damp/humid surroundings close to Power cables. Ensure a safe distance away from overhead cables i.e. when erecting/ working on scaffold. If works are necessary, isolate the power supply when working in the vicinity of power lines or sleeve low-voltage lines. Seek Emergency Help if person suffers electric shock and burns	1	5	5	
		Fire or explosion from faulty electrical equipment or installations	Major or fatal injury to worker and others in area	4	5	20	Electrical installation and the electrical equipment must be: suitable for its intended use and the conditions in which it is operated only used for its intended purpose Only competent and trained personnel to carry out task. 110V equipment to be used at all times. Pre-User equipment checks to take place prior to use. All portable equipment to be PAT tested every six months. Seek Emergency Help if person suffers burns	1	5	5	
		static electricity igniting flammable vapours or dusts	Major or fatal injury to worker and others in area	4	5	20	Measures must be taken to eliminate or reduce dust when using electrical equipment (i.e. drilling). Seek Emergency Help if person suffers burns.	1	5	5	
		Secondary effects i.e. fall from height after electric shock	Major or fatal injury	4	5	20	Ensure suitable equipment being used correctly for task (non-metallic ladders when working with electricity).	1	5	5	

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		Contact with Underground Power Cables	Major or fatal injury	4	5	20	Digging Permit to Work system must be implemented and followed. Only trained and competent personnel to perform task. Obtain existing plans/surveys/drawings to establish location of underground power cables. CAT Scan area and mark out areas of concern. Buried services should be uncovered by hand-digging. Continue to CAT scan at different depts.. Exposed services should be identified and clearly labelled. Support if necessary. Digging with mechanical equipment can commence once above completed.	1	5	5	
		Hidden electrical cables (walls)	Major or fatal injury	4	5	20	Only trained and competent personnel to perform task. Electrical wires/cables generally run vertically in line with plug sockets.	1	5	5	
2	**Emergency Procedures following Electrical incident**		Major or fatal injury	4	5	20	DO NOT TOUCH THEM. CALL FOR HELP. TURN OFF POWER SUPPLY. IF THIS IS NOT POSSIBLE, USE A NON CONDUCTING ITEM (I.E. WOODEN BRUSH) TO MOVE VICTIM AWAY FROM POWER SOURCE. CALL FOR AN AMBULANCE. CHECK BREATHING. IF BREATHING – RECOVERY POSITION. IF NOT, APPLY CPR. TREAT ANY OBVIOUS BURNS. TREAT FOR SHOCK. MUST RECEIVE MEDICAL TREATMENT (DAMAGE COULD BE INTENAL).	1	5	5	

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**

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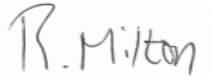
Persons at Risk:	ASW Employees	Reviewed by	
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