



Risk Assessment

IMS Form048
Issue 01 Dated Oct 2020

Operation / Task:	Use of Abrasive wheels	Name of Assessor:	Rhys Milton
Assessment Ref:	RA028	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	Use of suitable abrasive wheels associated with Grinders and Various Saws	Inappropriate Use	Minor or serious personal injury to operator and others	4	5	20	Operatives must be trained and competent to use the tool. The tool must be appropriate for the task. Tools shall only to be used in accordance with manufacturer's instructions, which should be available. Inexperienced power tools users should be supervised or observed when first using an unfamiliar item of equipment or in an unfamiliar environment. Power tools should be securely stored when not in use. Operatives shall wear appropriate PPE including impact eye protection (face shield where necessary), hard hat, appropriate gloves, non-slip anti-static boots. Protection. Appropriate personal protective equipment, such as safety glasses with Pre-user checks to take place by competent person daily. All portable equipment to be PAT tested every six months. Do not use Power Tools in wet conditions unless suitable for use. Check condition of lead and plug before use. Use 110v or battery tools or RCD where practicable. Check for hidden/buried cables before drilling/digging etc (refer to RA020). 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 Do not use heat generating equipment without Permit. Do not work near flammables, compressed gases, in explosive atmospheres or confined spaces without specialist advice. Loose clothing, jewellery and long hair to be kept clear of moving parts. Use guards where appropriate. Use appropriate PPE including protective eyewear or face shield and gloves (where appropriate). Use guards where appropriate. Keep a safe distance from other operatives when using power tools. Isolate area with barriers, tape etc. where necessary. Refer to Risk Assessment RA 013 Noise. Personnel must wear PPE if they are performing a noisy task or working near a noisy activity. Advise nearby persons of Noisy work activities prior to taking place so they can apply hearing protection.	1	5	5	
		Electricity	Electric burns or Shock to operator or other workers	4	5	20		1	5	5	
		Flammable/explosive atmosphere	Fire-Explosion – severe burns or fatality to operator and other workers	4	5	20		1	5	5	
		Moving Parts	Entanglement leading to severe injuries to operator	4	4	16		1	4	4	
		Flying debris, swarf etc.	Eye, hand or facial injury to operator or other workers/contractors	4	4	16		1	4	4	
		Noise	Hearing damage to operator and other workers	4	5	20		1	5	5	



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		Vibration	Hand/Arm Vibration Syndrome (HAVS) Carpal Tunnel Syndrome to operator	4	5	20	Refer to Risk Assessment RA009. Ensure work area is free from trailing cables, tools, materials, debris and spills. All work should be from a suitable and stable work platform. The use of ladders restricted to trained users – Refer to Risk Assessment RA001. Ensure that the wheel is in suitable working order. Ensure that the wheel/disc has not surpassed its expiry date Ensure that the revolutions on the tool are at the correct speed for the disc or wheel being used.	1	5	5	
		Ergonomic	Musculo-skeletal injury to operator	3	3	9		1	3	3	
		Slips, Trips, Falls	Minor or Major injury or fatal injury to operator	3	3	9		1	3	3	
		Dust	Respiratory illness Reduced visibility Skin irritation to operator and other workers in area	4	5	20		1	5	5	
		Tool jamming or binding	Wrist/hand injury to operator	3	3	9		1	3	3	
		Wheel Breaking	Potential Wound	3	5	15					

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		

[illegible]