

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	01								
Task/Activity:	Abrasive Wheels	Project No.:									
		Date Prepared:									
HAZARDS		Likelihood			Severity					Risk Score	
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity	
	Score:	3	2	1	5	4	3	2	1		
1	Burst wheel/disc		X				X			6	
2	Flying debris from wheel/disc		X				X			6	
3	Flying debris from material being cut/ground		X				X			6	
4	Noise/Vibration	X						X		6	
5	Inhalation of dust	X						X		6	
6	Contact with cutting wheel/disc		X			X				8	
7	Entanglement of clothing in moving parts			X			X			3	
8											
9											
10											
Risk Assessment Scores:		10+ High Risk			5-9 Medium Risk			1-4 Low Risk			

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> ➤ All persons changing abrasive wheels/cutting discs shall be trained in accordance with the requirements of current regulations ➤ All operatives to be trained in the selection and use of abrasive wheels/ cutting discs ➤ All operatives using abrasive wheels should be instructed to warn other persons in the area who may be affected by their work and ensure that they remain at a safe distance 	<ul style="list-style-type: none"> ➤ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ➤ Only competent fully trained persons shall be authorised to change/mount abrasive wheels, all such persons shall be formally appointed by the company and recorded on a central register ➤ The register shall be maintained together with copies of training certificates for all persons

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> ➤ All operatives to be trained in the use of the appropriate PPE 	<ul style="list-style-type: none"> ➤ qualified/authorises to change abrasive wheels ➤ Managers to ensure that sufficient supplies of the correct type of cutting disc/wheel are always available

Physical Controls	Procedural Controls
<ul style="list-style-type: none"> ➤ All wheels/discs to be inspected prior to use/mounting ➤ Checks to be made to ensure the correct disc has been selected ➤ Operators shall not apply excessive pressure to the disc during the cutting operation and shall ensure that the correct speed is used for the disc ➤ Adequate and appropriate storage facilities to be provided for the storage of cutting discs/wheels and associated equipment ➤ All required PPE as stated above shall be inspected and assessed for its suitability prior to use ➤ No loose clothing or other material shall be worn or in the vicinity of the cutting operation ➤ Operators shall only commence cutting operations when it is safe to do and they shall ensure that they have a firm footing at all times ➤ Ensure guards are properly positioned to minimise the risk of injury should the cutting disc/wheel fail 	<ul style="list-style-type: none"> ➤ Disc cutters and abrasive wheels shall only be used by appropriately trained and competent persons ➤ Staff to ensure that the area adjacent to the cutting operations are either kept clear or that sufficient shielding is provided to guard other operatives/members of the public from flying sparks, dust and other debris ➤ Ensure adequate ventilation is provided in areas where ventilation is poor ➤ Where there is a potential fire risk, ensure an appropriate fire extinguisher is available

HSE & Other Guidance	Comments
<ul style="list-style-type: none"> ➤ HSG17 Safety In the Use of Abrasive Wheels 	<ul style="list-style-type: none"> ➤

Residual Risk Rating

Considering the above control measures

LOW

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Date: 01.08.2018

This risk assessment should be read in conjunction with all relevant method statements, safe systems of work and associated risk assessments as detailed on the Risk Assessment Briefing Record