

Company:	SES Engineering (Newark) Ltd	Date:	16.05.2022	Review Date:	16.05.2023	Ref:	SES/0035	
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Operation:	Use	of Abr	asive V	Vheels	Persons at risk:	Employees, 3 <sup>rd</sup> parties					
	A	ssessm	nent				Re-assessme		nent		
HAZARD	S	L	R	CONTROL MEASURES TO REDUCE THE RISK					R		
Duration of Exposure.	3	4	12	scheduled breaks from work. Job rota	not carry out tasks, which involve the use of vibrating tools and machinery for long periods. Take heduled breaks from work. Job rotation will help and should be implemented if possible. A steady orkload should be maintained throughout the course of work.						
Wheel's bursting.	3	3	9	to its application. Do not allow wheels	to wear down excessively plying press to them. All ne	nsure the wheel selected is appropriate , avoid grinding on the sides of wheels, ew wheels must be run free for a minute	3	1	3		
Electrocution.	4	3	12	All equipment must be fit for purpose a all equipment must be disconnected fr	4	1	4				
Contact with rotating abrasive wheel.	3	4	12	Ensure correct guarding is secured in secured and adjusted so that they ar abrasive wheel ensure the power source	3	1	3				
Damage to eyes.	3	4	12	Face shields must be worn at all times will prevent other personnel being affe	•	erations. Screens around the work area	3	1	3		
Inhalation of dust.	3	3	9	Local exhaust ventilation and respirato	bry protection to be used.		3	1	3		
Inhalation of fumes.	3	3	9	Local exhaust ventilation and respirato	bry protection to be used.		3	1	3		
Excessive noise.	3	5	15	Ear protection must be worn during ab	rasive wheel operations.		3	1	3		



Hand Arm Vibration. (HAVS)	3	3	9	Do not use abrasive wheel equipment for prolonged periods. Take regular breaks and ensure daily usage does not exceed manufacturer's recommendations and keep hands warm. Report any problems immediately.	3	1	3
Cold weather	3	4	12	Cold weather can increase the effects of vibration. Too prevent this it is important to keep hands warm. Gloves should always be worn to prevent cold increasing the effects of vibration. It is also important to wear warm clothes in cold weather as this significantly improves blood flow, therefore reducing the risk of vibration. The level of blood flow is significantly reduced in those who smoke; therefore, smokers should be aware of the need to take all extra steps to reduce the level of vibration and the effects it has on the body. See hand arm vibration exposure guides.	3	1	3
Fire.	4	4	16	Relevant fire extinguishers must be in the immediate vicinity. Clear the area of combustible materials before commencing work and check for signs of ignition when finished.	4	1	4

Likelihood →	Likely	Probable	Possible	Unlikely	Very unlikely	<u>KEY:</u> S =	= Severity	PPE Required:	Hard hat	Y
↓ Severity	(5)	(4)	(3)	(2)	(1)	L=	= Likelihood		High vis clothing & boots	Y
Death (4)	20	16	12	8	4	R=	= Risk rating		Eye/ ear protection	Y
Major Injury (3)	15	12	9	6	3		12-20 High risk		Suitable gloves	As necessary
Minor Injury (2)	10	8	6	4	2		8-10 Medium risk		Respiratory equipment	Y
No Injury (1)	5	4	3	2	1		1-6 Low risk		Safety harness	As necessary

Risk assessment to be reviewed every 12 months or following an accident / incident.