

USSL Risk Assessment

Risk Assessment No		87	Activity		Abrasive Wheels		Locations		Site / Yard / Garage / Workshop	
Assessment Undertaken by		M. Watson	Assessment Date		Jun-17		Review Date		1/6/18	
Risk Ratings										
Persons at risk (PAR)		Severity / Harm Rating (S)				Likelihood (L)				
E	Employees / Contractors	1	Negligible injury or no injury			1	Extremely unlikely to occur at any time			
P	Members of Public	2	Minor injury requiring First Aid			2	A rare combination of factors would be required for an incident to occur			
V	Visitors	3	Lost time injury			3	Could happen, but considered unlikely under normal circumstances			
C	Clients	4	Single serious injury or single death			4	Not certain, but an additional factor may result in an incident			
		5	Multiple deaths and or serious injuries			5	Almost inevitable that an incident will result - Highly likely to occur			
Tolerance rating										
15 - 25		DANGER - Task/activity should not proceed. Further control measures are to be put in place to reduce risk. When in place the level of risk should be re-assessed for adequacy before the work recommences.								
7 - 14		SIGNIFICANT RISK is attached to this task/activity. Look critically at ways of reducing the level of risk to a more tolerable level by improving existing control measures or by introducing new controls.								
1 - 6		TOLERABLE RISK - Consider if risk is "as low as reasonably practicable", If not try to reduce risk further by improving control measures. Keep under review and continue with task/activity, but with caution								
NB. Full PPE will be utilised as a matter of course during any works undertaken										
Initial Assessment No controls						Risk Mitigation Measures				
Item No	Hazard Identification	PAR	S	L	Score	Control Measures	S	L	Revised Score	Risk Acceptable
1	Contact with rotating wheels Impact – bursting wheels Trapping, cutting & crushing Fires & explosions (flammable dust) Ejected swarf etc Slip, trip & fall around grinding equipment Electricity Exhaust – Carbon Monoxide etc in confined space Incorrectly fitting or 'sized' blades/wheels Dust Dermatitis Noise Vibration (HAVS)	E,P,V,C	4	5	20	Only competent staff to use Grinding/Abrasive wheel equipment. All guards to be properly in place prior to use. Only trained staff are authorised to change/dress wheels. Always use the correct wheel/blade for the job. Do not stop wheels by applying pressure to wheel. Use jigs and support heavy work pieces to reduce vibration. Ensure the work rest is properly adjusted. Wear eye protection at all times when using grinders/abrasive wheels. Wear hearing protection at all times when using grinders/abrasive wheels. Do not wear any loose clothing/jewellery; long hair to be tied back. Keep sources of ignition away from any grinding dust. Keep work area around equipment clear of slip/trip hazards. Do not refill with petrol inside buildings/structures. Do not operate petrol driven equipment inside buildings/confined spaces. Dust masks should be worn if any dust is generated by the process. Use pre-work cream and maintain good personal hygiene standards – keep hands clean. Wear general handling gloves if using hand held grinders. Protect others from dust & ejected material – use 'damping down' techniques and or provide suitable screens.	4	2	8	Yes