

USSL Risk Assessment

Risk Assessment No		56		Activity		Use of a Petrol Cut off Saw.		Locations		Site Works		
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	Hand Arm Vibration Syndrome (HAVS), Noise Induced Hearing Loss	E	3	4	12	When purchasing equipment or hiring consideration should be given to obtaining equipment with the lowest levels of noise and vibration. All cutting operations to be rotated to reduce exposure to vibration levels. Equipment must be well maintained, and records kept. PPE Must be worn at all times. If operators suffer any problems they must report them to their supervisor. Operators should try and keep warm, and dry. Operators should exercise fingers and hands after working with vibration equipment.	3	2	6	Yes		
2	Injuries caused through use of defective equipment, risk of fire, noise induced hearing loss.	E,C,P,V	4	4	16	Signage and area cordons should be provided where cutting or operations are taking place. Certain areas may need to be checked with a cable detector before any cutting operation can take place. Only authorised persons that have been trained in the use of abrasive wheels are permitted to change cutting discs and use cut off saws. Operation instructions for each saw will be made available. Permit to work for hot work and fire fighting equipment may be required depending on the location of the cutting operation and the materials used (Consult Supervisor). The operator must visually inspect the saw for signs of damage, the operator must ensure guards are correctly adjusted and secured. The operator must ensure cutting discs have max rpm displayed. DO NOT USE DEFECTIVE EQUIPMENT, any defective equipment must be isolated and brought to the attention of the supervisor. Protective goggles conforming to BS EN 166, ear defenders, dust/fume masks, operators must wear gloves and safety footwear.	4	1	4	Yes		
3	Over speeding, Contact with discs, impact from particles, disintegration of abrasive wheel and Fire (Mounting of discs and use of saw, Refuelling)	E,C	4	4	16	Use only cutting discs that is at least as high as the no load speed on the machine. Ensure disc is correct for the task i.e. metal, stone. Operators must observe manufactures instructions for the mounting and use of the equipment. Before switching on the machine, check that the disc is properly mounted and can turn freely. Test run new discs for at least 60 seconds before use. DAMAGED DISCS must not be used. Ensure the work piece is secure before cutting. Keep loose clothing, feet and hands away from the rotating disc. Discs must be protected from shock and grease etc.(Discs must be stored correctly) When cutting masonry operators must use dust suppression kits Operators must consider that sparks and fumes are generated when cutting metals. Cutting should take place in a well-ventilated area; operators should pay attention to the direction of sparks ensuring that the cutting area is free from other persons and combustible material. Discs must not be touched until they have cooled Ensure machine is switched off and allowed to cool before refuelling. Refuel in a well-ventilated area using a drip tray. NO SMOKING OR NAKED LIGHTS DURING REFUELLING.	4	1	4	Yes		