

USSL Risk Assessment

Risk Assessment No		24	Activity			Use of Vibrating Hand-Held - Hand-Guided Tools		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	Contraction of the following diseases caused by regular exposure to HAVS: Vibration White Finger. Carpal Tunnel Syndrome. Permanent painful numbness and tingling in the hands and arms. Painful joints and muscle weakening . Damage to bones in the hands and arms.	E	3	4	12	Consider using other tools or methods or reducing the need for the use of hand-held/hand guided tools Ensure that the hand-held /hand guided tools are suitable for the intended task Ensure that the hand-held/hand guided tools are used only for the conditions for which they are suitable. Ensure that the hand-held/hand guided tools are operated by personnel who are trained to use them Ensure that the hand-held/hand guided tools are maintained throughout their working life in order to sustain their best vibration performance. Attention should be paid to sharpening of tools, ensuring that stihl saw and floor saw blades should be changed when blunt Site supervisors must monitor the use of hand-held/hand guided tools in order to ensure that they are being used correctly Ensure that job rotation is implemented in order to reduce exposure times. Ensure that the hand-held/hand guided tools are used in times specified in the attached guidance. Only use anti-vibration jackhammers during excavation works. All employees must complete the Medical Questionnaire upon recruitment	3	2	6	Yes	
2	Med. Duty Breaker	E	3	3	9	Rotate work, keep hands and arms warm Maximum usage, 18 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation Replace with anti vibration breaker	3	1	3	Yes	
3	Med. Duty Anti-Vibration Breaker	E	3	4	12	• Rotate work, keep hands and arms warm • Maximum usage, 307 minutes in 8 hours • Do not smoke during operation • Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
4	Heavy Duty Breaker	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 12 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation Replace with anti vibration breaker	3	1	3	Yes	
5	Heavy Duty Anti-Vibration Breaker	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 480 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	2	6	Yes	
6	Med. Duty Gun	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 34 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation Replace with vibration damped gun	3	1	3	Yes	
7	Med. Duty Gun – Vibration Damped	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 124 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
8	Heavy Duty Gun	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 6 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation Replace with vibration damped gun	3	1	3	Yes	
9	Heavy Duty Gun – Vibration Damped	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 67 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
10	14" Petrol Floor Saw	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 67 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
11	18" Petrol Floor Saw	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 186 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
12	6"-9" Stihl Saw	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 480 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
13	33 x 25cm base – Anti Vibration Rammer	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 151 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
14	12" Petrol Vibrating Plates	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 151 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
15	18" Petrol Vibrating Plates	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 38 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	
16	For/Rev Diesel Vibrating Plates	E	3	4	12	Rotate work, keep hands and arms warm Maximum usage, 151 minutes in 8 hours Do not smoke during operation Regularly rub hands together in order to encourage good blood circulation	3	1	3	Yes	