

USSL Risk Assessment

Risk Assessment No		13		Activity		Using the Jackhammer		Locations		Site/Yard 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	Pedestrians & Vehicles	E,P,V,C	5	4	20	Operatives to wear high-visibility clothing and hard hats. Signing and Guarding to comply with Chapter 8. Use lookouts / banksmen to ensure that vehicles and the public are kept away from the working area.	5	1	5	Yes	
2	Poor underground service prints	E	5	4	20	Stop work, do not carry out any excavation operations. Contact your supervisor immediately in order to arrange legible prints.	5	1	5	Yes	
3	Shallow services	E	4	3	12	Ensure that service routes have been identified along the pre-determined trench line. Did trial holes in advance of the working area in order to positively identify the position/s of any services. Hand dig within 500mm of all services and regularly use locating equipment.	4	1	4	Yes	
4	Hand / Arm Vibration	E	4	4	16	Select the right equipment for the job. Operatives should rotate the work in order to minimise the amount of time spent on the Jackhammer. Introduce measures to manage exposure limits. Awareness Training provided to all operatives. Operatives are advised not to grip the handles too tightly. Operatives must keep their hands and arms warm i.e. wear gloves and suitable clothing in order to maintain blood supply to the hands, fingers and arms. Defective/damaged equipment must not be used. Operatives must not smoke during the periods that they are using the Jackhammer. Pneumatic exhaust ports must be directed away form the operatives hands.	4	2	4	Yes	
5	Defective Equipment	E,P,V,C	4	3	12	Equipment must be inspected for defects prior to use. Defective equipment must not be used.	4	1	4	Yes	
6	Underground services	E	4	4	16	Ensure that as a minimum, legible utility plans e.g. Electric, Gas, Water, B.T. etc. are available on site at all times. All service routes must be clearly identified on the ground surface prior to carrying out any excavations. Jackhammers and other mechanical tools must not be used within 500mm of services. All Jackhammers must be fitted with rubber handle.	4	2	8	Yes	
7	Noise	E,P,V,C	4	5	20	All Operatives in the working area must wear ear protection. Jackhammer must be fitted with noise suppression,(Muff). Compressor doors must be kept closed whilst running. Compressor must be well maintained. Compressors with defective silencers must not be used.	4	2	8	Yes	
8	Foot injuries/Eye injuries	E	4	4	16	All Operatives must wear steel toe capped safety footwear and impact grade goggles	4	2	8	Yes	
9	Manual handling	E	3	3	9	Keep any carrying distances to a minimum. Heavy equipment must be assessed before lifting. Two operatives or mechanical means must be used if the equipment is assessed as too heavy for one operative. Do not use Jackhammers horizontally. Ensure that that the working area is free form debris.	3	2	6	Yes	
10	Particles ejected from use of Jackhammer	E,P,V,C	3	3	9	Operatives must wear impact grade goggles. Ensure members of he public are kept well clear of the working area.	3	2	6	Yes	