

USSL Risk Assessment

Risk Assessment No		90	Activity		Grabs and Hiabs		Locations		Site / Yard	
Assessment Undertaken by		M. Watson	Assessment Date		Jun-17		Review Date		1/6/18	
Persons at risk (PAR)			Severity / Harm Rating (S)			Risk Ratings			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	Customers and members of the public entering the working area	E,P,V,C	4	3	12	Working area(s) must be bannered AT ALL TIMES unless a team member acts as a banks man Walkways must be provided for pedestrians Vehicle parking to be planned and vehicle doors that may obstruct pedestrians and traffic kept closed Working area to be arranged to provide sufficient width for pushchairs and electrically powered scooters for the elderly – secured ramps are to be provided on kerbs. Footway boards and road plates must be securely placed, well supported and pinned Areas where the customers and the public may walk must be kept free from tools and materials Work is to be stopped and supervisor consulted when customers/public are violent or aggressive Children must never be allowed to play with tools, materials or equipment A further risk assessment must be made when the site is to be left unattended	4	1	4	Yes
2	Slips, Trips and Falls	E,P,V,C	4	4	16	Access to the working area to be kept clear of tools and materials at all times Working area to be maintained in a tidy condition as work progresses Mud to be cleaned from boots when leaving the working area and mud swept off footpaths Check the condition of stairs or places slips or trips may occur Take extra care in wet or freezing conditions Footwear must fit well - soles to be in good condition and kept clean – Boots must provide ankle support Steps into the vehicle to be kept clear and free from mud. Extra care to be taken if there is no step	4	1	4	Yes
3	Defective or unsuitable plant/tools and equipment	E	3	4	12	All items are to be checked by the user BEFORE use Hand tools to be cleaned and inspected by the user All plant and powered equipment to be regularly maintained and inspected by a competent person Defective or broken tools are NOT to be used and are to be immediately repaired or replaced Lifting equipment & Tackle must be inspected regularly – see Working with Hiabs and Grabs	3	2	6	Yes
4	Manual handling	E	3	4	12	Follow the guidance in your Operative Handbook Kerbs and heavy modular units should be lifted with mechanical assistance	3	2	6	Yes
5	Dust inc Silica dust	E,P,V,C	4	4	16	Use hydraulic flag and block cutters where possible Water sprays on cutting saws are to be used to control dust from cutting operations – concrete, flags etc. If no water is available disposable half mask respirators to minimum of FFP3 standard should be used and fit tested to the individual	4	1	4	Yes
6	Vibration	E	3	3	9	Follow RA For Vibration	3	2	6	Yes
7	Noise	E,P,V,C	3	3	9	Follow RA For Noise	3	2	6	Yes
8	Cable Strike or utility damage	E	4	4	16	Follow advice in Avoiding Danger from Underground Services Risk Assessment.	4	1	4	Yes
9	Impact with moving vehicles	E,P,V,C	5	4	20	Use warning signs as described in the Street works Code of Practice (Chapter 8) Provide safety zones as are described in the Street works Code of Practice (Chapter 8) Provide warning lights during the hours of darkness Wear high visibility clothing at all times	4	1	4	Yes
10	Working on construction sites	E	4	4	16	Report to the site manager on arrival Request a site induction and ensure that all team members attend Identify the site safety rules and comply with them e.g. wearing of safety helmets Consult the site manager for up to date information on the position of underground plant	4	1	4	Yes
11	Falls from height	E	4	4	16	Hiabs must be operated from ground level where possible Driver to work from suitable platforms with access ladders where controls are mounted at high level.	4	1	4	Yes
12	Falling objects	E,P,V,C	4	4	16	All loads must be checked for security before being lifted No person is allowed to work under a suspended load Barriers/banksmen must be used to keep swing area clear	4	1	4	Yes
13	Failure or collapse of lifting equipment –hiabs etc	E,P,V,C	5	4	20	Lifting equipment must meet British and European standards Lifting equipment must be maintained in line with manufacturers requirements Lifting equipment must have original test documentation and be "thoroughly inspected" every 12 months Records of equipment maintenance, repair and inspection shall be maintained Lifting equipment must be suitably retested if substantial repairs have been made Defective lifting equipment shall be removed from service until repaired Equipment shall only be operated by a trained and competent operator in possession of a valid, recognised qualification A weekly inspection must be made by the operator and recorded (F91 equivalent) Stabilising devices must be fully deployed on all lifting equipment A site specific risk assessment shall be made before all hab and crane operations and will consider: The weight of the load to be lifted against the capacity of the equipment The stability of the ground supporting the equipment The stability of the area where the load is to be moved to The risks of lifts over fixed features such as gas governor sites The effects of high winds on equipment and the load in motion The presence of overhead structures.	4	1	4	Yes
14	Failure or of lifting tackle – hooks, slings, shackles etc	E,P,V,C	5	4	20	Lifting tackle must meet British and European standards and have test documentation Lifting tackle must be regularly cleaned and lubricated where needed Tackle must be "thoroughly inspected" every 6 months copy of inspection kept with each item Records of tackle maintenance, repair and inspection shall be maintained Tackle must be suitably retested if substantial repairs have been made Tackle shall be inspected weekly and results recorded A visual inspection should be carried out on any item of lifting tackle prior to every use The configuration and capacity of lifting tackle shall be assessed against the load Defective lifting tackle shall be removed from service and quarantined until repaired	4	1	4	Yes
15	Overhead cable/plant damage	E,P,V,C	5	5	25	Overhead cables/pipes/bridges etc. are to be considered as part of the Site Specific Risk Assessment Work within 15 metres of non-insulated power cables on steel towers and 9metres on wooden poles is NOT permitted unless permission has been obtained from the electricity distribution company Permit to Work is required if lifting over live plant (e.g. live gas main)	5	1	5	Yes
16	Trench collapse	E,P,V,C	5	4	20	Do not allow Hiabs or excavators to straddle an open trench or work on the edge of a trench Ground stability should be considered when completing the site-specific risk assessment.	4	1	4	Yes
17	Poor lighting conditions	E,P,V,C	5	4	20	Use portable/battery-powered lighting if working on live gas operations. The lighting must be intrinsically safe with the EX sign displayed on equipment.	4	1	4	Yes
18	Crushing / Trapping	E	5	4	20	Safe working areas should be established around all moving parts in particular the banksmen to ensure no persons enter the swing radius of the hiab during any lifting operations. The operator to ensure that nobody is within the vicinity when the stabiliser legs are being deployed. Only fixed and tested lifting points to be used for attaching loads during lifting operations. • Under no circumstances should any item be offered up to the clamshell bucket manually for gripping. Guide ropes should be attached to enable all loads to be controlled from a position outside the swing radius of the hiab arm.	4	1	4	Yes