

USSL Risk Assessment

Risk Assessment No		8	Activity			180o / 360o Excavators		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. Banksman must be in attendance whilst moving the excavator in public areas. Excavator must not slew outside the working area. Guarding: re-position signing & guarding to suite. All operatives must wear high visibility clothing and head protection. Excavators must not be left running when unattended and keys must be removed.		5	1	5	Yes
2	Untrained Operator		E,P,V,C	5	4	20	All operators must have received CITB CTA Internal training and be able to provide proof of Competence.		5	1	5	Yes
3	Defective Equipment		E,P,V,C	4	3	12	Weekly lifting equipment sheet to be completed Machine to be examined and tested every 12 months Defects must be reported to your supervisor immediately Associated lifting chains / slings must be tested / examined every six months		4	1	4	Yes
4	Contact with underground services		E,P,V,C	4	4	16	Before commencing excavations, use the controls in Risk Assessment 01 'Avoiding Danger from Underground Services'. Ensure pilot holes are dug in advance of excavations.		4	2	8	Yes
5	Contact with overhead services		E	5	4	20	No part of any vehicle / plant equipment should be allowed within: i) 15 metres of lines suspended from pylon towers, ii) 9 metres from lines suspended from wooden poles. If the work requires vehicles / plant / equipment to work closer than indicated above, the power must be isolated / re-routed and a permit-to- work obtained from the electricity supplier. If the power can not be isolated / re-routed, stop work and advise your supervisor. When operating an excavator near to overhead services, Risk Assessment no. 02 'Avoiding Danger from Overhead Services' must be used.		5	2	10	Yes
6	Trapping Operatives		E	4	4	16	A minimum of 600mm gap must be maintained between the back of the excavator and any fixed object. If a gap of 600mm can not be maintained, the area must be guarded . Banksman / Operatives must not position themselves or carry out any operations within the arc of the boom unless the following is implemented: - The excavator operator is aware of their presence - The excavator is fully static with the bucket / pecker placed on the floor; - The excavator ignition must be switched off.		4	1	4	Yes
7	Excavator overturning		E,P,V,C	4	5	20	If possible, do not reverse mini excavators off kerbs, over humps from trailers. If reversing off kerbs, ensure that both tracks reverse over the kerb or hump at the same time. If reversing from a trailer ensure that the bucket is placed in the direction of travel and at ground level before commencing off-loading procedure. DO NOT operate an excavator on inclines of between 10o and 25o.		4	1	4	Yes
8	Operating near to open excavations		E,P,V,C	3	4	12	Position stop-blocks to prevent plant from over-running into the excavation. Position extra supports on the sides of the excavation. Use guarding to keep plant and vehicles away from the edges of excavations.		3	2	6	Yes
9	Noise		E,P,V,C	3	3	9	Operators must wear ear protection if using open sided excavators.		3	2	6	Yes
10	Changing Buckets		E	3	3	9	Carry out an assessment of the weight of the bucket. 2-man lift must be used when changing buckets. Ensure that correct locking pin is used.		3	2	6	Yes
11	Defective Trailer		E,P,V,C	4	4	16	All trailers must be inspected regularly for defects. All anchorage systems / points must be operational, and all operational equipment functional, i.e. brakes, lights.		4	2	8	Yes
12	High Winds		E,P,V,C	4	3	12	Do not attempt to off-load excavators from trailers or operate on inclines during high winds. Inform your supervisor of weather conditions.		4	1	4	Yes