

USSL Risk Assessment

Risk Assessment No		34	Activity		Connect New Main to Under Pressure Tee		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	Pedestrians & vehicles	E,P,V,C	4	4	16	Operatives to wear high-visibility clothing, hard hats, safety footwear, gloves and other appropriate PPE including rescue body harness for operatives who will enter confined space. Ensure the rescue body harness is attached to a lifeline, which must be attended by someone outside the confined space. Signing and guarding to comply with Chapter 8 and "Red Book". Use lookouts/banksman to ensure that vehicles and the public are kept away from the working area.	4	1	4	Yes
2	Underground Services	E	4	3	12	Read and implement the controls detailed in Method Statement and Risk Assessment 01 'Avoiding Danger from Underground Services'.	4	1	4	Yes
3	Shoring of Excavations	E	4	4	16	Excavations 1.2m or deeper must be shored. However where poor ground conditions exist at depths shallower than 1.2m shoring must be installed. Ensure safe access and egress is maintained via ladders that are footed and secured at the top. Prior to the commencement of any work a risk assessment must be carried out in relation to each excavation. All excavations may need to be shored to ensure ground stability in compliance with the Method Statement & Risk Assessment 03 'Shoring of Excavations'. If poor ground conditions are experienced then appropriate shoring must be installed. Ensure that a continuous atmospheric monitoring takes place and the results recorded. Inspection of the excavation must take place, in accordance with the inspection schedule. All excavated areas must be protected with a suitable barrier. Safe digging practices must be observed. Works to be Supervised at all times. Spoil from the excavation must be stored away from the edge of the excavated area.	4	1	4	Yes
4	Injuries via release of pressurised equipment	E,P,V,C	4	4	16	- Comply with the Method Statement. - Ensure that suitable and safe purging systems are implemented. - Ensure that the test pressure has been reduced to a safe level prior to carrying out work on the pipeline. - Examine the system at intervals in order to ensure that anchorages are secure. - Unauthorised personnel must not enter the test area or interfere with the pipework.	4	1	4	Yes
5	HAVS	E	3	4	12	Defective/damaged equipment must not be used. Read and implement control measures detailed in Method Statement and Risk Assessment 24 'Use of Vibrating Hand-Held - Hand-Guided Tools'.	3	1	5	Yes