

USSL Risk Assessment

Risk Assessment No		27	Activity			Butt and Electro Fusion Welding		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	Employee, Pedestrians and vehicles	E,P,V,C	4	4	16	Don high-visibility clothing, hard hats, safety footwear, gloves and other relevant PPE. Sign and guard site in compliance with Chapter 8 / Red Book.	4	1	4	Yes		
2	Burns	E	3	3	9	Ensure heater plates and electrofusion couplings are allowed to cool before touching. Gloves must be worn when handling hot equipment.	3	2	6	Yes		
3	Inhalation of fumes/asphyxiation	E	4	4	16	Ensure operations are carried out in well ventilated areas. In enclosed spaces local exhausts ventilation should be used.	4	1	4	Yes		
4	Handling coiled pipes	E	3	4	12	Ensure that coiled pipe is handled in accordance with the manufacturers instructions. Ensure that coiled pipe is 'undone' in correct sequence (details usually given on trailer). Method of installation to be undertaken with regard to the network operators COP and site specific risk	3	2	6	Yes		
5	HAVS	E	3	4	20	Read and implement procedures as defined in Method Statement and Risk Assessment 24 'Use of Vibrating Hand-Held - Hand-Guided Tools'	3	1	3	Yes		
6	Confined Spaces	E	4	4	16	Read and implement the control measures detailed in Method Statement and Risk Assessment 15 'Confined Spaces'	4	1	4	Yes		
7	Electrocution	E	4	4	16	Disconnection of all electrical equipment should be carried out prior to inspection and handling of installed fittings. All electrical equipment should be visibly checked for soundness prior to use and shall be regularly tested in accordance with PUWER regulations 1998.	4	1	5	Yes		
8	Installation and commissioning	E	4	4	16	All work to be undertaken in accordance with IGE TD3 and shall comply with the requirements of Transco COP, Dis 4.1, Dis 5.3, Dis 5.7, D1 Field procedures sections 2, 6 & 9. All PE pipes should be supported so as to assist correct jointing and minimise risk of injury aligning pipes during and prior to jointing. Method of installation to be undertaken with regard to Transco COP and site specific risk assessment	4	1	4	Yes		