

Task Risk Control Sheet

Erection, Dismantling and Use of Welding Tents/Umbrella and Support Clamp

RCS No: NR/L3/MTC/RCS0216/TK63
Issue: 2

Key Risks !

- Struck by Train (1)
- Electrocutation (3)
- Manual Handling (11)
- Slips, Trips & Falls (12)
- Adverse Weather (19)
- Heat / Flames
- Fumes

Personnel Involved

E&P	
S&T	
Track	✓
Off Track	
Property	

Tools / Equipment

James Ince / Lawton Tools Welding Umbrella and Support Clamp
Sheerspeed / Fusion Welding Tents

Plant

None

Task Risks	Controls	Implemented By
Key Generic Track Risks	• See Generic Track Risks NR/L3/MTC/RCS0216/TK00 1,3,11,12 and 19	
Pre Use Checks	• Check Welding Tents/Umbrellas have been inspected 6-monthly to check that they are still fit for purpose – records shall be maintained of these inspections	Team Leader
Transporting Welding Umbrellas and Tents	• Manual handling training and carrying handles and bags for carrying welding umbrellas shall be provided (Umbrella and Support – 30kg) • Consideration shall be given to using welder's trolley to transport equipment or carrying bags shall be used whilst transporting to site • Umbrellas shall be carried in carrying bags so that the umbrella is not unfurled by gusts of wind • Provide manual handling training and carrying handles and bags for carrying welding tents (Sheerspeed Tent: 16kg and Fusion Tent 7kg)	Line Manager / All Staff / COSS / Team Leader
Erection / Dismantling including: • Adjacent open lines • Contact with OHLE • Adverse weather, e.g. high winds	• Formal instructions shall be given by the Area Welding Engineer or Welding Trainer prior to authorising staff to erect tents / umbrellas	Line Manager
	• Welding umbrellas shall only be erected / dismantled by 2 trained and competent persons working in accordance with erection / dismantling sequence described in Work Instruction: 2G095 • The person in charge of the work shall perform a site assessment to assess the weather conditions before the tent/umbrella is pitched • Welding umbrellas shall be positioned with the external surface facing the direction of the wind • Welding tents/umbrellas shall not be erected in severe weather conditions (i.e. high winds) • Pictorial instruction cards on erecting tents shall be provided with the tent by the manufacturer • Danger OHLE warning signs shall be attached to the side of the tent • Tent shall only be erected / dismantled by 2 trained and competent persons working in accordance with erection / dismantling sequence described in work instruction: 2G093 (Fusion tent) and / or 2G094 (Sheerspeed Tent) • Welding tents shall be secured by the under rail anchors or the guide ropes in accordance with the Work Instructions as an initial step • Tents shall be positioned with adequate clearance between the tent sidewalls and the crucible • Tents shall be positioned with the closed end / rear of tent facing the direction of wind	All Staff / COSS / Team Leader

Task Risk Control Sheet

Key Risks	Controls	Implemented By
Electrocution	- See Risk Control sheets NR/L3/MTC/RCS0216/GA20 Working Adjacent to DC Electrified Rails Risk Level 1- 5, - See Risk Control Sheet NR/L3/MTC/RCS0216/GA21 - Working Near Electrical Overhead Line Equipment - DC electrified lines shall be isolated before erection or use - See also erection / dismantling of tent for controls where OLE exists	Line Manager / All Staff / COSS / Team Leader
Performing Welding Operations in the Umbrella including: - Tripping hazards - Heat - Flames - Hazardous fumes - Flammable atmospheres	- Staff shall be provided with COSHH information on the by-products of welding and the associated respiratory protective equipment required - All welding equipment shall be maintained in accordance with the manufacturer's instructions - Only trained and competent welders shall perform welding activities - Welding tents/umbrellas shall be positioned with adequate clearance between the umbrella canopy and preheating flame / crucible - Only welding staff shall be permitted in the vicinity of the welding umbrella during the welding process (from the alignment of the rails to the completion of trimming) - Welding tents shall be vacated during the welding operation and an exclusion zone established and enforced - Vents shall be built into the tents to enable circulation and rapid removal of fumes – Vents shall not be blocked at any point and a check shall be made prior to welding to check that all vents are in the open position - Re-entry to the tent shall only occur when the fumes have dissipated - Welders shall perform a pre-start check of all welding equipment to check that it is fit for purpose and will not cause a flammable atmosphere in the welding tent due to leaking gases	Line Manager / All Staff / COSS / Team Leader

PPE Required by NR / Maintenance Policy

				If safety glasses introduce a risk (ie weather conditions) then the Team Leader shall assess the risk. The outcome of the assessment shall be recorded on the SSOWPS pack and safety glasses may be removed. This does not supersede the requirements for eye protection detailed on relevant Task Risk Control Sheets.
Wear Head Protection	Wear Foot Protection	Wear Hi Visibility Clothing	Wear Safety glasses to BS EN166.F	

Additional PPE Required by Task Risk Control Sheet

						
Wear Hand Protection	Use Welding Mask	Wear Hearing Protection	Wear Flame Retardant Protection	Wear Respiratory Protection		