

Task Risk Control Sheet

Autotransformer Bridge Drilling Construction Tasks (Non Asbestos Bridges) on Overhead Line Equipment using Off Track Plant (OTP)

RCS No: NR/L3/MTC/RCS0216/OCR04
Issue: 2

	- Electrocution - Fall from height - Noise - Musculoskeletal injuries	Personnel Involved	E&P	✓
			S&T	
			Track	
			Off Track	
			Property	

Abbreviations ATF = Autotransformer · OTP = Off Track Plan · SPS = Small Part Steel

Tools / Equipment	metric spanners	Load equipment	proofing	Selection of various torque wrenches	OLE Lifting Tackle Specialist Equipment (Pulllifts, outrigger D Shackles, Nylon Fibre Slings, hidden services detector)
	Angle grinders	specialist drilling powered from the SRS 110v supply	bridge equipment from the	PPE for drilling concrete (Masks & Safety Goggles)	
	Power wrenches				

Plant	Rail Ability Railboss Access Platform	SRS Access Platform
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Key Risks	Controls	Implemented By
Hidden Services	No work shall commence until a Permit to Drill is issued by the Structural Engineer to the Site OLE Field Engineer. NOTE: Any structures containing asbestos shall not be drilled.	Structural Engineer OLE Field Engineer Supervisor Linemen
Electrocution	- RT/E/S/29987 Isolation Procedure, Form C per OCR COSS. - Receipt of Form C before starting work and limits briefed to all staff - COSS Briefing on the SSoW - Competent Linesmen familiar with Autotransformer equipment	NOMINATED PERSON COSS
Struck by train	- Safeguarded green zone working, possession/siding possession - Staff warned of engineering trains to stop work and move to a position of safety	Engineering Supervisor COSS
Manual Handling	- Competent staff that have received manual handling training - SSoW in place for handling different ATF components - Materials to be pre loaded into the rear platform of the SRS/basket either at the Road Rail Access Point or at a suitable point at track level. Side boards shall be in place. - Certain SPS to be assessed for weight and the number of staff required to correctly lift SPS into place - Use of OLE certificated lifting tackle to take the weight	Line Manager Supervisor COSS Linemen

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Fall from Height Orthostatic Syncope	- Once in the basket all staff is to wear safety harnesses and keep clipped on with a fall restraint. - The rear platform on the SRS shall not be congested with material to make tripping hazards - Sideboards shall be fitted at all times to the SRS platform. - Standing on hand rails is prohibited - Operators shall endeavor to position the SRS basket so that no over reaching can take place - If it is required to climb onto the structures the individual shall be clipped on at all times with a fall arrest lanyard and carry out a local risk assessment. - Chin straps on Safety Helmets shall be fastened at all times. - Where ATF conductor is installed staff shall stay the safe side of the radial load - Rescue procedure in place	Line Manager Supervisor COSS Linemen
Collision with staff on track or other OTP/RMMM	- Competent staff - Audible warning before OTP/RMMM moves - Good lighting all round - Good communication with other OTP (SAF6) - High visibility clothing worn (Full orange) - Control of SRS speed within a worksite shall be in compliance with module OTP & T11 of the Rule Book	Engineering Supervisor COSS Machine operator Machine controller Linemen
Trapping hands or fingers using hand tools whilst attaching or adjusting ATF SPS	- Competent Staff - Gloves shall be worn - Use of OLE certificated lifting tackle to take the weight - OLE Outtrigger	COSS Linemen
Dropping tools or components	- Area under SRS basket shall be kept clear at all times - Whilst Staff are working from a boom position all staff shall be wearing their safety helmets	COSS Linemen
Struck by ATF wire	- Competent Staff - SRS Basket to be positioned away from the direction of the radial load and ATF wire shall be held on Pullifts.	COSS Linemen
Eye injuries from brittle copper or aluminium particles	- Eye protection to BS EN 166.F shall be worn at all times - Competent staff	COSS Linemen
Eye injury from cutting ATF wire, concrete splinters	- Goggles or full face visor to BS EN 166.B standard shall be worn by all staff involved - Long handled wire cutters shall be used - Contact wire to be secured before cutting - Other staff not involved shall keep clear	COSS Linemen