

Task Risk Control Sheet

Use of Rail / Sleeper Drill

RCS No: NR/L3/MTC/RCS0216/SP15
Issue: 2

Key Risks !

- Re-fuelling– Fire / Explosion
- Burns
- Manual Handling
- Breakage of Drill Cutter

Personnel Involved

E&P	✓
S&T	✓
Track	✓
Off Track	
Property	

Tools / Equipment Rail Drill – Sleeper Drill

Plant None

Key Risks	Controls	Implemented By
All Tasks Pre-use checks	<ul style="list-style-type: none"> • Planned preventative maintenance system shall be implemented • Pre inspection of equipment including checking against inspection date shall be undertaken • Only trained and competent operators shall use rail/sleeper drills • Always check that you have the correct drill bit for the type of rail being drilled. Normal cutters will not cut manganese rail. 	Line Manager Staff
Re-fuelling– Fire / Explosion	<ul style="list-style-type: none"> • See Risk Control Sheet NR/L3/MTC/RCS0216/GA17 - Decanting Fuel and Fuelling Small Plant for fuelling small plant • One 2kg Dry Powder fire extinguisher shall be available when fuelling the rail drill 	All Staff / Team Leader
Burns	<ul style="list-style-type: none"> • The engine becomes hot in operation, do not touch the engine or exhaust • Swarf may become hot during drilling, do not remove by hand • Allow drill bit to cool before changing • Hand protection shall be worn 	All Staff
Manual Handling	<ul style="list-style-type: none"> • Always carry drill by the handle • Never carry the drill by the coolant pipe • See Risk Control Sheet NR/L3/MTC/RCS0216/GH01 – Manual Handling 	All Staff / Team Leader
Breakage of Drill Cutter	<ul style="list-style-type: none"> • Always use coolant whilst drilling • The drill shall be fully clamped to the rail using the appropriate drilling template and clamp. • Always start drilling by exerting light pressure on lever and gradually increasing as drilling progresses. 	All Staff / Team Leader
Drilling - Swarf/flying particles	<ul style="list-style-type: none"> • Eye protection shall be worn to BS EN166 1.F • Hand protection shall be worn 	All Staff
Noise	<ul style="list-style-type: none"> • Ear defenders to EN352 shall be worn • Safe warning system shall be implemented (i.e. touch Lookout) 	All Staff

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Key Risks	Controls	Implemented By
Vibration – Rail Drill	<ul style="list-style-type: none"> • Rotate staff to reduce exposure or include rest periods as required • Gloves may help to prevent vibration injury by keeping hands warm and dry. Anti vibration gloves are not a control factor • Example amounts of work to meet EAV & ELV:- <ul style="list-style-type: none"> ○ EAV: 100 holes (bond or rail) ○ ELV: 400 holes (bond or rail) • Refer to SMF/SE/0311 Small Plant HAVS Data Sheets for further information 	
Vibration – Sleeper Drill	<ul style="list-style-type: none"> • Rotate staff to reduce exposure or include rest periods as required • Gloves may help to prevent vibration injury by keeping hands warm and dry. Anti vibration gloves are not a control factor • Use support trolley when using for prolonged periods • Example amounts of work to meet EAV & ELV:- <ul style="list-style-type: none"> ○ EAV: Drill 45 sleepers (to accept two baseplates) ○ ELV: Drill 180 sleepers (to accept two baseplates) • Refer to SMF/SE/0311 Small Plant HAVS Data Sheets for further information 	Team Leader

PPE Required by NR / Maintenance Policy

				<p>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.</p> <p>This does not supersede the requirements for eye protection detailed on relevant Task Risk Control Sheets.</p>
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	Wear Hearing Protection to BS EN352					