Task Risk Control Sheet

Use of Impact Wrench

RCS No: NR/L3MTC/RCS0216/SP09
Issue: 2

Key Risks !

- **Fire / Explosion**
- **Noise**
- **Socket Detaching**
- **Manual Handling**
- **Equipment damage**
- **Vibration**
- **Electrocution**
- **Eye Injury**
- **Red Zone Working**

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

Tools / Equipment Impact Wrench

Plant None

Key Risks	Controls	Implemented By
Pre Use Checks	• Planned preventative maintenance system shall be in place	Line Manager
	• Inspect equipment for damage and check inspection date on the tag • Only trained and competent staff shall use impact wrenches • Do not use worn sockets or fittings as they increase noise and vibration levels	Team Leader / All Staff
Re-fuelling– Fire / Explosion	• 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 Impact wrenches	Team Leader
Noise	• Hearing protection shall be worn by any non-operators within 6m of impact wrench operations	Team Leader
	• Ear protection to EN352 shall be worn when using Impact wrenches • The noise level at the operators ear is 99dB • Switch off the plant when not in use • Refer to SMF/SE/0311 Small Plant HAVS & Noise Data Sheets for further information	All Staff
Socket Detaching	• Use Rubber Rings and Steel Pins or other suitable retaining devices to retain the socket or Accessory onto the Square Drive. **DO NOT** use twigs, wire, nails or plastic straps • Replace the sockets and fittings regularly	All Staff
Eye Injury	• Eye Protection to BS EN 166.1 F shall be worn	All Staff
Red Zone Working	• Quick release chuck for drilling purposes to be used when working red zone	Team Leader
Electrocution	• See Risk Control sheets NR/L3/MTC/RCS0216/GA20 Working Adjacent to DC Electrified Rails Risk Level 1- 5,	Team Leader / COSS
Equipment Damage	• Check that pull cord is not frayed or worn before use • Set the gear control to neutral before starting.	Staff
Vibration	• Rotate staff to reduce exposure or include rest periods as required	Team Leader
	• 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:- o EAV: 17 pairs fishplates or 5 sleepers or 3 S&C bearers o ELV: 71 pairs fishplates or 20 sleepers or 12 S&C bearers • Refer to SMF/SE/0311 Small Plant HAVS & Noise Data Sheets for further information	All Staff

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PPE Required by NR / Maintenance Policy				
Wear Head Protection	Wear Foot Protection	Wear Hi Visibility Clothing	Wear Safety glasses to BS EN166.F	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.**

Additional PPE Required by Task Risk Control Sheet						
Wear Hand Protection						

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