Task Risk Control Sheet

Use of Cold Bolt Expansion Equipment

RCS No: NR/L3/MTC/RCS0216/SP23
Issue: 2

Key Risks !

- **Eye Injury**
- **Trapped Limbs**
- **Manual Handling**
- **Hydraulic Oil Injection**
- **Component Damage**
- **Noise**

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

Tools / Equipment Cold Bolt Expansion Powerpack, Gun, Mandrels

Plant None

Key Risks	Controls	Implemented By
Pre use Checks	• Equipment shall be part of a maintenance schedule	Line Manager
	• Check equipment is within its inspection date prior to use • Visually check connections hoses and equipment for damage prior to use • Only trained and competent people shall operate	All Staff
Eye Injury	• Eye protection to BS EN166 1.F shall be worn whilst operating	All Staff / COSS / Team Leader
Noise	• Wear correct ear defenders to EN352 whilst operating	All staff
Trapped Limbs	• Keep fingers, hands, arms, feet away from the rail and nosecap of the rail puller unit during operation of the system. The puller unit self aligns during the process and generates large forces. • Stop power pack before cleaning inside of puller unit • Stop power pack before removing any used mandrels from the puller unit	All Staff / COSS / Team Leader
Manual handling	• Staff shall be trained in manual handling	Line Manager /
	• See Risk Control Sheet NR/L3/MTC/RCS0216/GH01 – Manual Handling	All Staff / COSS / Team Leader
Hydraulic Oil Injection	• Do not use hoses to move the puller or power pack • Check power pack is stopped, pressure released and hoses purged before connecting or disconnecting hoses on the puller unit • In the event of a ruptured hose stop the power pack • Never use your hand to grab a leaking hose under pressure.	Line Manager / All Staff / COSS / Team Leader
Component Damage	• Do not re-use split sleeves • Do not use mandrels worn beyond minimum allowable diameter • Always check correct alignment of sleeve and mandrel in the hole	All Staff / COSS / Team Leader

Documents Document Sharing Hub
Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Full document details: NR NR-L3-MTC-RCS0216-SP23 IS 2012
Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/27/2016 20:21:29 MDT

Task Risk Control Sheet

Network Rail

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	Wear Hearing Protection to BS EN352					

Wear Head Protection

--`,,,,,,`,,,,,,`,,`,,,,,,,,`-`-`,,`,,`,`,,`---
AVA Documents Document Sharing Hub
Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Full document details: NR NR-L3-MTC-RCS0216-SP23 IS 2012
Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/27/2016 20:21:29 MDT