

Task Risk Control Sheet

Oxygen Fuel Gas Cutting and Heating

RCS No: NR/L3/MTC/RCS0216/TK64
Issue: 2

Key Risks !

- Fire / Explosion
- Struck by Train
- Toxic Gases
- Burns / Spatter
- Confined Spaces

Personnel Involved

E&P	
S&T	
Track	✓
Off Track	
Property	

Tools / Equipment Welding Equipment

Plant None

Key Risks	Controls	Implemented By
Struck by a train	• See Task Risk Control Sheet NR/L3/MTC/RCS0216/GA01 – Work On or Near the Line • Rule Book Modules G1, G2, M1, M2, M4 and M5	All Staff
Manual Handling	• Manual handling training shall be provided • See Task Risk Control Sheet NR/L3/MTC/RCS0216/GH01 – Manual Handling • Provision of mechanical lifting / carrying devices e.g. rail trolleys • Use manual handling techniques	Line Manager All Staff
Noise	• Ear protection e.g. ear defenders shall be worn • Site specific briefing shall be given • Noise exclusion zone shall be created and maintained • Maintain equipment to reduce noise sources • Information / signage shall be displayed on machinery depicting noise hazards and the need to wear ear protection	All Staff / COSS / Team Leader Line Manager
Fire / Explosion	• Use trained and competent operators • Schedule planned maintenance of equipment • Conduct site specific assessment and briefing • Operator shall conduct pre-use checks by • Cylinders shall be turned off when not in use • Propane and acetylene cylinders shall be kept upright • Use Flashback arrestors • Hoses shall be purged. They shall not be coiled • Fire precautions, including provision of fire fighting equipment on site • Welding area shall be dry prior to commencement of work i.e. pre-heated • Components of greater than 70% copper shall not be used • Use leak detection spray • Cylinders and petroleum spirit shall be excluded from proximity of ignition sources • Create and maintain exclusion zone • Propane Gas shall not be used in tunnels	Line Manager All Staff / COSS / Team Leader

Task Risk Control Sheet

Key Risks	Controls	Implemented By
Toxic Gases	- Health surveillance where work performed with lead (in line with the Control of Lead at Work Regulations) shall be undertaken - Provision of information on hazardous substances and control measures, including hazard of fumes when hot working shall be available	Line Manager
	- Personal protective equipment, including respiratory protective equipment shall be provided - Only trained and competent operators shall be used - Site specific assessment and briefing shall be completed - Exclusion zone shall be created and maintained - Positive air-flow system for galvanized and lead coated material shall be provided	All Staff / COSS / Team Leader
Burns / Spatter	- Personal protective equipment, including eye / face and respiratory protective equipment, flame retardant clothing, boots and gauntlets shall be provided - Site specific assessment and briefing shall be undertaken. - Exclusion zone shall be created and maintained - Use trained and competent operators	All Staff / COSS / Team Leader
		Line Manager
Working in Confined Spaces	See Risk Control Sheet NR/L3/MTC/RCS0216/GA09 - Entry Into Confined Spaces	All Staff

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	Wear Hearing Protection	Wear Flame Retardant Protection	Wear Respiratory Protection			