

Task Risk Control Sheet

Use of Portable and Welding Generators

RCS No: NR/L3/MTC/RCS0216/SP12
Issue: 2

Key Risks !

- Re-fuelling – Fire/Explosion
- Electrocution
- Burns
- Manual Handling
- Fumes
- Noise

Personnel Involved

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

Tools / Equipment Portable Generators – Welding Generators

Plant None

Key Risks	Controls	Implemented By
Pre use Checks	<ul style="list-style-type: none"> • Planned preventative maintenance system shall be established • Pre use checks including check of inspection date shall be undertaken 	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 • Turn off generator and allow to cool prior to re-fuelling • One 2kg Dry Powder fire extinguisher shall be available when fuelling generators • Fuelling shall be performed at least 10 metres from work area • No smoking or naked flames within 10 metres • Use approved containers for fuel 	Team Leader
Electrocution	<ul style="list-style-type: none"> • Never stand generator in standing water • See Risk Control sheets NR/L3/MTC/RCS0216/GA20 Working Adjacent to DC Electrified Rails Risk Level 1- 5, • See Risk Control Sheet NR/L3/MTC/RCS0216/GA21 - Working Near Electrical Overhead Line Equipment 	Team Leader
Burns	<ul style="list-style-type: none"> • Avoid touching hot exhaust • When transporting after use do not place plastic or other combustible materials against the exhaust. 	All Staff
Fumes Asphyxiation	<ul style="list-style-type: none"> • Where practicable place generator in well ventilated area • Fumes produced by the welding process, if inhaled, can be harmful to health see COSHH control sheets. 	All Staff
Manual handling	<ul style="list-style-type: none"> • Use correct number of personnel to lift generator • Adequate staff shall be used to carry welding generators to site, • Lifting/lowering shall be co-ordinated and controlled by one person • See Risk Control Sheet NR/L3/MTC/RCS0216/GH01 – Manual Handling 	Team Leader
Faulty Operation of Welding Generator	<ul style="list-style-type: none"> • Before you use the unit as a generator, STOP welding and move the welding current knob clockwise to full engine speed. 	All Staff / Team Leader

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Slips, Trips & Falls	<ul style="list-style-type: none"> Extension leads shall be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone. See Risk Control Sheet NR/L3/MTC/RCS0216/GH02 – Underfoot Conditions 	All Staff / COSS / Team Leader
Noise	<ul style="list-style-type: none"> Ear protection to EN352 shall be worn when using welding generator The noise level at the operators ear is 85-86dB Hearing protection shall be worn by any operators or non-operators within 3m of welding generators Switch off the plant when not in use When possible the welding generators should be sited more than 3m from the point of welding to reduce noise exposure to the operator. Refer to SMF/SE/0311 Small Plant HAVS & Noise Data Sheets for further information 	All Staff

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

