

## SOP - Generator

**DO NOT use this plant\* or complete this task unless you have been inducted in its safe use and operation by an Authorised Experienced Operator**

This SOP may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant/work. Site and task may change required PPE.

### PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Hand protection must be worn



Foot protection must be worn



Hearing protection must be worn

### POTENTIAL HAZARDS AND RISKS

#### **Electrical Shock or Burn**

- Electrical shock or burn from damaged or poorly maintained electrical leads and cables
- Electrical shock or burn from overload of electrical circuits
- Electrical shock or burn from water near electrical equipment

#### **Explosion**

**Explosion of gases, vapours or liquids**

#### **Other**

- Contact with hot or cold parts of plants
- Exposure to toxic fumes
- Injury due to operating of plant in unsuitable weather conditions
- Hearing damage from excessive noise

#### **Exposure to Dust/Fumes**

- Exposure to Dust
- Exposure to Toxic Fumes

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete visual plant check before operation
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Confirm plant has a current electrical safety tag attached
- ✓ Check power lead is in good working order and does not create a trip hazard
- ✓ Check generator is suitable for purpose, site and weather conditions

### OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ Ensure the tools to be used are compatible for the output of the generator
- ✓ Ensure generator is properly grounded and the grounding connections are tight
- ✓ Operate the generator only on level surfaces and where it will not be exposed to excessive, moisture, dirt, dust or corrosive vapours
- ✓ Keep generators as far away as possible from work areas
- ✓ Ensure generator has 1-1.5 metres of clear space on all sides and above it to ensure adequate ventilation
- ✓ Generators become hot while running and remain hot for long periods after they have stopped. Fuel can ignite when spilled on hot engine parts

- ✓ Always disconnect the spark plug wire and place the wire where it cannot contact the spark plug to prevent accidental starting when setting up, transporting, adjusting or making repairs to the generator
- ✓ Before making adjustments bring plant to a complete standstill and isolate

### ENDING OPERATIONS

- ✓ Allow plant to cool before performing any maintenance, refuelling or cleaning
- ✓ Refuel plant at least 3 metres from combustibles
- ✓ Ensure plant is in good working order and stored in the appropriate location

### DO NOT

- ✗ Do not use if plant is faulty. Attach an Out of Service tag and report fault to your supervisor
- ✗ Do not operate near combustible materials
- ✗ Do not overfill fuel tank. Always allow for fuel expansion
- ✗ Do not come in contact with hot parts of generator
- ✗ Do not run a generator indoors or partly covered areas such as garages
- ✗ Do not use a generator outdoors if its placement near doors, windows and vents could allow CO to enter and build up in occupied spaces
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

\*Plant in this SOP refers to any machinery, equipment, appliance, container, implement and tool.