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| **Site / Area:** |       | **Date of assessment:**  |  | **Risk Assessment #:** | **052RA** |
| **Completed by (name):** |       | **Signature:** |       |
| **In Consultation with** |       | **Signature:** |       |
| **Identify / describe activity, equipment, area or event you are assessing:**  | **Generator** |
| **In conjunction with this risk assessment, training / education and development of a relevant SOP may be required.** |
| **Step 1:** **Identify the hazard/s:**What do you believe are the hazards?(Refer Risk Assessment Guideline (015G)) | **Step 2: Assess the risks:**What do you believe are the risks?(Refer *Risk Assessment Guideline (015G)*) | **Step 3: Reducing the risk:**What do you believe can be done to reduce the risk?(Refer *Risk Assessment Guideline (015G)*) |
| **What could cause harm?** | **What could go wrong?** | **Controls** |
| **Machinery & Equipment*** Operation of the Plant (Mechanical Hazard)
* Moving parts
 | * Burns
* Lacerations
 | * Regular workplace inspections are conducted

Worker/others are provided with personal protective equipment (PPE). Long pants are worn to reduce the risk of burn from the hot exhaust/engine * Avoid contact with hot components
* Workers are trained in plant maintenance and all equipment is “locked-out” when maintenance is undertaken
* All moving parts are protected. Guards / covers to be remain in place at all times.
 |
| **Electricity*** Frayed / loose cords
* Water on electrical equipment
* Poorly maintained or improperly connected electrical leads and cables
 | * Electrocution
* Electric shock
* Burns
* Fire
 | * Periodic inspection of electric cables for nicks, cuts or damage.
* Residual Current Device (RCD) is installed and checked regularly
* Ensure any cables on ground are not positioned in or near water, and are adquat4ely protectedf rom falling objects or pedestrian or other traffic. Avoid contact with output terminals during operation.
* Output terminal cover to be kept closed and terminal bolts tightened while generator is running.
* Never operate with wet hands, in wet or damp areas and avoid inclement weather.
* Unit is fitted with electrical safety switch. Testing is carried out before each use.
* Equipment is tested & tagged
* Leads kept away from heat, oil, sharp edges or moving parts
* Fire fighting equipment is available.
 |
| **Hazardous chemicals** * Potential for spill
* Escape of fumes
 | * Worker exposed to petrol, fumes
* Fire
* Explosion
 | * The plant undergoes regular inspections for petrol leaks/damage
* Workplace inspections are conducted to identify defective items
* Plant is fitted with a standard kill-switch
* Fuel cap is properly secured after refuelling.
* Plant is not re-fuelled when running. Operator is responsible to shut engine down prior to refuelling.
* Spill kit available
* No smoking while operating, servicing, refuelling machine.
* Do not operate in confined space. Use in well ventilated area.
 |
| **Noise*** Inadequate hearing protection
 | * Potential hearing loss/impairment
* Workers/others cannot communicate due to noise
 | PPE is available on requestWorkers/others are trained on the dangers of workplace noise  |
| **Hazardous Manual Tasks*** poor work postures
* Inappropriate work area design
 | * Sprains / strains
* musculoskeletal injury from moving/operating plant
 | All workers and others are trained in safe manual handling techniques Two person lift when lifting /moving the plant.  |

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| **Authorised by:** |  | **Signature:** |  | **Date:** |  |

**Review hazard/risk assessment if task or circumstances change and at intervals appropriate to the level of risk (minimum 5 years).**

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| **Step 4: Monitor & review:**(Refer to hazard sheet)**Please tick Yes or No** |
| **Were the controls effective?** | **Were there any unforeseen hazards/ incidents?** | **New controls** |
| **Yes** | **[ ]**  | **No** | **[ ]**  | **Yes** | **[ ]**  | **No** | **[ ]**  |
| **DETAILS** | **DETAILS** | **DETAILS** |
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| --- | --- | --- | --- | --- | --- |
| **Name:** |  | **Signature:** |  | **Date:** |  |