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| --- | --- | --- | --- | --- | --- |
| Site / Area: |       | Date of Assessment |      Template only MUST modify to site conditions | Risk Assessment # | 084RA |
| Completed by (name) |       | Signature |       |
| In Consultation with: |       | Signature |       |
| Identify / describe activity, equipment, area or event you are assessing: | Vibrating Plate Compactor |
| Authorised by: |       | Signature: |       | Date: |       |
| **In conjunction with this risk assessment, training / education and development of a relevant SOP may be required.** |
| **Step 1:** **Identify the hazard/s / Impact:**What do you believe are the hazards?What could happen? | **Step 2: Assess the potential risks:**What do you believe are the risks?How could this happen? | **Step 3: Reducing the risk:**What do you believe can be done to reduce the risk?Controls |
| **Machinery & Equipment*** Vibration
* Crushing injuries
* Burns to workers from contact with the hot exhaust and/or engine parts
 | * White finger syndrome
* Worker injured while operating the vibrating plate
* Worker injured whilst carrying out maintenance on the plant
 | * Task rotation or plant is not used for long periods of time.

Regular workplace inspections are conducted* Workers are provided with PPE
* Long pants are worn to reduce the risk of burn from the hot exhaust/engine
* Workers are trained in plant maintenance and all equipment is “locked-out” when maintenance is undertaken
* Avoid contact with hot components.
* Engine to be cool before attempting any maintenance (the muffler is fitted with a heat shield)
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| **Hazardous Chemicals*** Worker exposed to petrol, fumes
* Fire/explosion
 | * Respiratory illness through Inhalation
* Skin absorption
* Dermatitis
* Burns
 | * Decanting of fuel is conducted in a well ventilated area away from any potential ignition sources.
* Is used in well ventilated areas
* The plant undergoes regular inspections for petrol leaks/damage
* Plant is fitted with a standard kill-switch
* Plant is not re-fuelled when running or hot. Fuel cap is properly secured after refuelling.
* Fire extinguisher available
* Spill kit available
* SDS available.
 |
| **Noise*** Noisy machinery
* Prolonged exposure to noise
* Inadequate hearing protection
* No hearing protection is worn
 | * Potential hearing loss/impairment
* Potential hearing loss/impairment
* Workers cannot communicate due to noise
* Damage to internal organs
* Fatigue
* Tinnitus
 | PPE is available * Rotation of tasks
* Workers have audiometric testing (hearing tests) every 2 years
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| **Hazardous Manual Tasks*** Moving the Vibrating plate to work area
* Workers / others could receive an injury due to poor work postures
* Sustained postures
* Equipment not maintained
 | * Musculoskeletal injuries
* Strains, sprains
* Overuse syndrome
* Fatigue
 | * All workers are trained in safe manual handling techniques
* Two person lift when lifting /moving the plant.
* Lifting crane is used for moving the plant on/off vehicles
* Preventative Maintenance Schedule in place
 |
| **Gravity*** Slippery surfaces
* Inappropriate footwear
* Trip hazards
 | * Slip, trip, fall
* Concussion
* Fracture
 | * Clear work area of potential obstacles prior to commencing work
* Maintain proper footing at all times and avoid standing on uneven, rough, wet or slippery surfaces
* Always keep both hands on guide handle when using machine
* Avoid operating on slopes, embankments and soft edges
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| **Airborne Contaminants*** Dust / fumes
 | * Asthma
* Irritation to the lungs
* Worker/others receiving an eye injury from flying particles
 | PPE is available on request: dust mast or respirator is worn; eye protection is wornGround moistened where required |
| **Extreme Temperatures*** Exposure to UV
* Hot weather
 | * Sunburn
* Dehydration
* Heatstroke
 | Appropriate PPE worn when working outdoors (e.g. long sleeve tops, wide brimmed hat, sunglasses)Sunscreen available and applied as requiredProgram tasks for cooler time of the day |
| **OTHER** |  |  |
| **Review hazard / risk assessment if task or circumstances change & at intervals appropriate to the level of risk (minimum 5 years)** |
| **Step 4: Monitor & Review:** |
| Were the controls effective? | Were there any unforeseen hazards / incidents? | New controls |
| Yes | [ ]  | No | [ ]  | Yes | [ ]  | No | [ ]  |
|  |  |  |