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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) | |
| **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 | |
| **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 | |
| **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 |  |
|  | | | |  | | | |  | |