



## VUL-SWP-028-Clearing – Fauna and Flora

| STANDARD WORK PROCEDURE (SWP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                         |
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| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <i>Clearing – Fauna &amp; Flora</i>                                                                                                                                                                                                                                     |
| <b>Site</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Vulcan Mine</i>                                                                                                                                                                                                                                                      |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Construction</i>                                                                                                                                                                                                                                                     |
| <b>Purpose</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The purpose of this SWP is to provide a documented way of working to achieve an acceptable level of risk. The steps outlined pertain to the titled task only. All other SHMS requirements such as SOPs <b>VUL-SOP-056-PPE</b> and <b>VUL-SOP-Dust</b> must be followed. |
| PPE Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                         |
|                                                                                                                     | <b>Job Step Analysis Reference</b><br>Job Hazard Analysis                                                                                                                                                                                                               |
| <b>Other Relevant Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
| Task Specific PPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                 | <i>Personnel performing cleaning tasks shall be fully inducted, hold the relevant training &amp; competencies to complete the work and be fit for work.</i>                                                                                                             |
| <i>Work Instruction is based on working in a controlled environment. If the environment, tools, equipment changes and or a deviation from this Work Instruction, a new JHA must be created and approved by all workers conducting the task.</i>                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                         |
| Critical (Hazard) Risks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                         |
| Ensure controls are in place for critical risks associated with this task. These include:                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• Hazardous Substances</li> <li>• Uncontrolled Movement</li> <li>• Heat</li> <li>• Exposure to Biological Hazards</li> <li>• Vehicle Interaction /Pedestrian Contact/HME</li> <li>• Weather</li> </ul>                           |
| 1. Preparation before work Commences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                         |
| <p><b>VUL-FRM-19-16 Permit to Disturb</b> is to be completed by the person responsible for disturbance in previously unmined areas prior to works commencing. This form allows the management of environmental aspects such as Cultural Heritage, topsoil, flora and fauna and water management.</p> <ul style="list-style-type: none"> <li>• Ensure all applicable sections of the Permit to Disturb are completed and the permit approved and signed by the Environmental Representative and Environmental General Manager.</li> </ul> |                                                                                                                                                                                                                                                                         |



The supervisor is to provide a brief to all workers on:

- Approved boundaries for clearing
- Environmental and wildlife requirements under the Environmental Management Plan
- Track routes, operational areas, and plant to be used.
- Exclusion zones and equipment safety requirements.
- Procedures for fatigue and heat management
- Workers read and confirm their understanding of the Permit to Disturb and Job Hazard Analysis
- Position cones or restricted markers on the perimeter to prevent unauthorised entry
- Ensure the clearing area is pegged by survey prior to starting work
- Confirm emergency response personnel are on standby with snake bite kits, cold fluids, and hydrolytes
- Establish a two-way radio communication for all personnel on foot
- Confirm water and hydration supplies are available for the team
- Ensure personal protective equipment is worn in accordance with [VUL-SOP-065-PPE](#)

## 2. Pre-Clearing Inspections

- Conduct a walk-through inspection of the clearing area.
- Engage a wildlife spotter to conduct diurnal and nocturnal surveys of the area.
- Identify any unstable ground or hazardous areas.
- Inspect all machinery to ensure:
  - Operators are trained for unstable conditions.
  - Machinery is fitted with rollover protection.
  - Machinery is clear of vegetation build-up; remove any as necessary.
- Inspect equipment for fuel or chemical leaks and ensure safe handling procedures are followed.
- Confirm silt traps, bunding, and mulch or soil disturbance works are installed as required.

## 3. Clearing Operations

- The dozer operator must always remain inside the cab during clearing.
- Maintain a fifty metre (50m) exclusion zone around all operating heavy mobile equipment.
- Pedestrians must remain outside the exclusion zone until positive communication is established with the operator.
- Operate machinery progressively to allow wildlife escape routes.
- The wildlife spotter monitors for animals. If endangered species are observed:
  - Stop all machinery immediately.
  - The wildlife spotter inspects and relocates animals if required.
  - Do not resume clearing until the area is cleared
- CMWs are to maintain awareness with eyes on path to avoid snakes, spiders, ticks, or trip hazards.
- Apply insect repellent before entering the work area
- Take hydration breaks as required. Emergency response personnel monitor for fatigue or heat stress.
- All personnel on foot carry two-way radios for communication.

## 4. Post Clearing Checks

- The supervisor confirms that the cleared area matches the Permit to Disturb boundaries.
- Remove cones or restricted markers only after the area is safe and equipment is shut down.
- Record wildlife sightings, relocations, and any non-compliance in the environmental log.



## 5. Continued Monitoring

- Supervisors conduct daily inspections of clearing operations.
- Periodic Inspections of the HME to be conducted to check for vegetation build up. If build up is identified, the build up must be cleared before clearing can continue.
- Ensure proper handling and storage of fuels during servicing and regular equipment inspections are carried out for leaks
- Observe critical tasks every forty-eight (48) hours to ensure compliance.
- Any deviations from the Permit to Disturb, Environmental Management Plan, or operational controls must be reported immediately and corrective actions implemented.

## 6. Environmental and Safety Controls

- Install silt traps and bunding on the clearing perimeter.
- Install mulch or soil disturbance works immediately after topsoil clearing where appropriate.
- Inspect machinery for vegetation build-up and remove before proceeding.
- Maintain proper handling and storage of fuels and chemicals.