|  |
| --- |
| End of form |

Waste rock dumps

**NOTE**: This form relates to an application for a tailored condition environmental mining licence.

Complete this table, whether you are engaging an independent expert or not:

| Table 1– Waste Rock Dump Summary | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **WRD 1 (name)** | | | | **WRD 2 (name)** | | | | **WRD 3 (name)** | | | |
| New – scheduled LOM year of construction | |  | | | |  | | | |  | | | |
| Existing – year of construction | |  | | | |  | | | |  | | | |
| Titles | |  | | | |  | | | |  | | | |
| Footprint | Existing area |  | | | |  | | | |  | | | |
| Proposed area |  | | | |  | | | |  | | | |
| Total area |  | | | |  | | | |  | | | |
| Waste stored and volume | |  | | | |  | | | |  | | | |
| Dump configuration | Height (m) |  | | | |  | | | |  | | | |
| Width (m) |  | | | |  | | | |  | | | |
| Length (m) |  | | | |  | | | |  | | | |
| Dump slopes | Batter angle |  | | | |  | | | |  | | | |
| FoS\*  (assumes modelling undertaken) |  | | | |  | | | |  | | | |
| Flood immunity | | Annual Recurrence Interval (ARI) | | | | Annual Recurrence Interval (ARI) | | | | Annual Recurrence Interval (ARI) | | | |
| 1:10 | 1:50 | 1:100 | PMF | 1:10 | 1:50 | 1:100 | PMF | 1:10 | 1:50 | 1:100 | PMF |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Method of construction | |  | | | |  | | | |  | | | |
| Phreatic conditions | |  | | | |  | | | |  | | | |
| References | |  | | | |  | | | |  | | | |

Complete this table only if you are not engaging an independent expert:

| Table 2 – WRD Additional Details (if the decision is made not to implement independent expert oversight)\* | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Design Stage** | | | | **Description** | |
| Site investigation | Bores | | |  | |
| Test pits | | |  | |
| Other | | |  | |
| Lithological profile | | |  | |
| **Key design elements** | | | | | |
| Objective and Criteria | Objective | | |  | |
| Criteria | | |  | |
| Design considerations | Geochemical | | |  | |
| Geotechnical | | |  | |
| Water management | | |  | |
| Dump configuration e.g. valley fill, cross-valley fill etc | | |  | |
| Dump volume | | |  | |
| Dump slope | | |  | |
| Degree of confinement | | |  | |
| Foundation type | | |  | |
| Method of construction |  | | | | |
| Piezometric and climatic conditions |  | | | | |
| Dump rate |  | | | | |
| Seismicity |  | | | | |
| **References** | | | | | |
| Construction sequence and design description | Construction | 1 | Clearing |  |  |
| 2 | Foundation |  |  |
| 3 | Base |  |  |
| Operations | 4 | Halo |  |  |
| 5 | PAF cell |  |  |
| 6 | Halo |  |  |
| 7 | Capping |  |  |

| Table 3 WRD - Risk, Controls and Management | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Stage** | **General description of major works** | **Key risks**  **(Tick that apply)** | | | | | | **Controls** | **Management performance and monitoring** | **References** |
| **Flora & Fauna** | **Sacred Sites** | **Heritage** | **Water** | **Air/Dust** | **Other** |
| 1 | Clearing/site investigation   * Site investigation – drilling * Clearing site for stage 2 works below |  |  |  |  |  |  |  |  |  |
| 2 | Construction/Earthworks   * Earthworks to prepare foundations for small office * Connect office to services (water/power) |  |  |  |  |  |  |  |  |  |
| 3 | Commissioning/Operations   * Drill on 10x10m grid spaces to 5m; collect samples for grade control and waste classification * Load explosives for blasting * Geologists will mark blast material for ore and waste, based on testing * Waste placement on WRD 1, as per WRD Mgt plan |  |  |  |  |  |  |  |  |  |
| 4 | Unplanned closure   * Decommission all plant/infrastructure (cut services) * Remove all plant/infrastructure * Contaminated site investigation and rehabilitate any contaminated areas * Establish bund around perimeter for pit lake |  |  |  |  |  |  |  |  |  |
| 5 | Planned Closure   * Same as unplanned closure |  |  |  |  |  |  |  |  |  |