|  |
| --- |
| 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
 |  |  |  |  |  |  |  |  |  |