**MINING PROPOSAL SCOPING DOCUMENT TEMPLATE**

1. **KEY PROPOSAL CHARACTERISTICS[[1]](#footnote-2)**

The purpose of a Mining Proposal Scoping Document (MPSD) is to:

* provide a framework for pre-consultation with DMIRS to discuss the scope and key aspects of the mining proposal;
* delineate regulatory agency responsibilities; and
* identify issues that are to be addressed prior to submission of the mining proposal and/or required studies/work that need to be carried out.

A blank template is available on the DMIRS website for potential applicants to complete to ensure necessary information is available or information gaps identified prior to meeting with DMIRS. This document is provided for further guidance to proponents intending to submit Mining Proposals and is not a statutory document for approval.

**Summary of proposal**

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| --- | --- |
| **Proposal title[[2]](#footnote-3)** | [Emily Gold Mine] |
| **Proponent name** | [Safe Hands Mining Pty Ltd] |
| **Short description** | [This proposal is to mine ore from Emily deposit, 25 km north of the town of Coolgardie WA, including the construction of associated mine infrastructure (plant, offices, workshop, accommodation and roads), construct a waste rock landform and discharge waste to a Tailings Storage facility] |

**Physical elements**

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| --- | --- | --- |
| **Activity Type/ Element[[3]](#footnote-4)** | **Location** | **Proposed extent** |
| Mining void (depth greater than 5m – below ground water) | [Attached Figure] | [Up to 33 ha in area. Up to 80m depth.] |
| Waste dump or overburden stockpile (class 1) | [Attached Figure] | [Up to 60 ha in area. Max height of 35m. Potential for acid-forming material.] |
| Plant site | [Attached Figure] | [Up to 8 ha in area. CIP gold extraction.] |
| Tailings or residue storage facility (class 1) | [Attached Figure] | [Up to 25 ha in area. Paddock-style, 2 cells, perimeter discharge, max height of 15m. Up-stream lifts. Potential for acid-forming material.] |
| Run-of-mine pad | [Attached Figure] | [Up to 18 ha in area] |
| Miscellaneous mine activities | [Attached Figure] | [Up to 100 ha in area. Includes fuel storage facility, workshop, landfill, accommodation village, airstrip, laydown area. |

**Operational elements[[4]](#footnote-5)**

| **Element** | **Location** | **Proposed extent** |
| --- | --- | --- |
| Dewatering | [Attached Figure] | [Pit dewatering up to 0.5 GL per year. Temporary storage and then used for processing and dust suppression. No discharge to environment.] |
| Ore processing | [Attached process flow diagram] | [Up to 500,000 tonnes of ore processed per year] |
| Ore processing (waste) | [Attached process flow diagram]  [Attached Figure] | [Up to 300,000 tonnes of tailings produced per year] |

1. **CONSIDERATION OF ENVIRONMENTAL FACTORS AND SCOPE OF WORK**

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| **The purpose of this section is to discuss how the project will impact on DMIRS’ environmental factors,[[5]](#footnote-6) and what further work will be undertaken.** |

| **Environmental Factors** | **Studies undertaken/proposed** | **Comments** |
| --- | --- | --- |
| Biodiversity | [Level 2 flora and fauna surveys, stygofauna survey.] | [Two priority flora species identified -Acacia westerosii, Eucalyptus pawneeus]  [Threatened fauna habitat present, none identified in targeted surveys.]  [Karsten Ranges PEC in proximity, however not directly impacted.]  [Stygofauna survey still to be completed] |
| Water resources | [Hydrogeological study]  [Hydrological study – surface]  [Flood mapping] | [Pit dewatering up to 0.5 GL per year required. Groundwater is saline – 30,000mg/l TDS]  [No major drainage lines impacted.]  [1 in 100 year ARI flood mapping to be undertaken.] |
| Land and Soil | [Physical and chemical characterisation of waste]  [Soils survey]  [Erosion modelling] | [Approx. 8% of waste rock is potentially acid forming (PAF). Tailings has PAF material but should be adequately buffered by the net neutralising capacity of the tailings.]  [Lateritic materials suitable as rehabilitation material. Competent fresh rock available for TSF construction and rock armouring. Oxide zone wastes present risks to rehabilitation – erodible and dispersive.]  [Topsoil and subsoils are nutrient poor, and can be dispersive, however suitable as rehabilitation material if used appropriately.]  [Erosion modelling to be completed to predict levels of erosion from waste rock landform and tailings embankments.] |
| Rehabilitation and Mine closure | [Closure designs]  [Rehabilitation trials] | [TSF closure design – store and release cover. Waste rock landform closure design – bench and berm, 14 degree slopes, contain drainage on top surface and berms, combined topsoil/rock mulch.]  [Rehabilitation trials proposed.] |

1. **STAKEHOLDER ENGAGEMENT**

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| **The purpose of this section is to outline what stakeholder engagement has been undertaken, what further engagement is proposed, and how this has affected the proposal.** |

Stakeholder engagement to date indicates the post-mining land use will be: [insert land use e.g. pastoral, conservation]

| **DE Mining - Stakeholder Engagement Register 2020** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Description of Engagement** | **Stakeholders** | **Stakeholder comments/issue** | **Proponent Response and/or resolution** | **Stakeholder Response** |
| 2015 - ongoing | [Quarterly meetings] | [Traditional owners ] | [Concern that water in a nearby spring may be being contaminated with lead] | [Identifying and securing lead contaminated materials. Monitoring quality and quantity of the spring water. Remedial action as required. Health testing and keeping the traditional owners informed] | [Acceptable] |
| 12 July 2017 | [Meeting to discuss potential post-mining land uses] | [Pastoralist neighbour] | [Concerns about any hole or pit to be left behind after mining] | [Will include in closure design and provision practical measures to make safe (to human and animal) any hole or pit left after mining] | [Acceptable] |
| 2015 -ongoing | [Periodic meetings to discuss post-mining opportunities] | [Local Shire] | [Ongoing relationship with regular communication to explore potential uses of rehabilitated mine feature or infrastructure to be left after mining that would be of benefit to community] | [Continued open dialogue] | [N/A] |

1. **ENVIRONMENTAL LEGISLATIVE FRAMEWORK**

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| **The purpose of this section is to outline what other environmental approvals (or other relevant approvals} have been granted or will be applicable, and what aspects of the proposal they will regulate.** |

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| --- | --- | --- |
| **Relevant legislation** | **Environmental factor regulated/affected** | **Relevant approval/requirement and status of relevant approval** |
| *Environmental Protection and Biodiversity Conservation Act 1999* | Biodiversity: Impacts to Leipoa ocellata (Malleefowl) and Liopholis kintorei (Great Desert Skink). | Controlled action – listed threatened species. Under assessment. |
| *Environmental Protection Act 1986*  *(Part IV)* | Key environmental factors regulated under Part IV:   * Flora and vegetation * Terrestrial fauna * Terrestrial environmental quality * Inland waters | Ministerial approval issued under Part IV of the *Environmental Protection Act 1986*. Conditions set in Ministerial Statement. |
| *Environmental Protection Act 1986*  *(Part V)*  Prescribed premises categories[[6]](#footnote-7):   * (5) Processing or beneficiation of metallic or non-metallic ore * (6) Mine dewatering; * (12) Screening etc. of material * (31) Chemical Manufacturing * (44) Metals Smelting or Refining * (54) Sewage facility * (64) Class II or III putrescible landfill site * (84) Electric power generation | Water Resources (pollution)  Landforms | Works approval and licence/registration under Part V issued. |
| *Rights in Water and Irrigation Act 1914* | Water resources | 5C licence to take 0.5ML/year of groundwater within the Goldfields Groundwater Management Area  26D licence to construct 8 bores within the Goldfields Groundwater Management Area |
| *Aboriginal Heritage Act 1972* | Aboriginal heritage | Section 18 Consent to certain uses. |

1. **ATTACHMENTS**

**Attachment 1 – Regional location**

**Attachment 2 – Proposed site plan**

**Attachment 3 – Proposed disturbance envelope**

**Attachment 4 – Processing flow diagram**

1. This table is aligned with the EPA’s *Instructions on how to define the key characteristics of a proposal*. You can copy the table across from any existing EPA assessment documents. [↑](#footnote-ref-2)
2. If the project has been assessed by the EPA, use the same project name as that stated in the ‘Key Proposal Characteristics Table’ included in the EPA assessment documents. [↑](#footnote-ref-3)
3. Use activity types from Table 2 of the *Statutory Guideline for Mining Proposals*. [↑](#footnote-ref-4)
4. Include any operational elements that are not clearly explained by the list of physical elements [↑](#footnote-ref-5)
5. As defined in DMIRS *Environmental Objectives Policy for Mining* (2020). [↑](#footnote-ref-6)
6. See Schedule 1 of the Environmental Protection Regulations 1987. [↑](#footnote-ref-7)