



## MINING PROPOSAL FOR SMALL MINING OPERATIONS

| 1. COVER PAGE  |   |
|--|---|
| <b>Project Title:</b><br>Wonmunna Iron Ore Project - Increase in Processing Capacity | <b>Tenements(s):</b><br>M47/1424        |
| <b>Document Revision:</b><br>Revision 0  |   |
| <b>Operator(s):</b><br>Wonmunna Iron Ore Pty Ltd                                     |   |
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| <b>Date:</b><br>25/03/2021   |   |

## 2. TENEMENT HOLDER AUTHORISATION

**Are you the registered tenement holder?**

If No, attach written authorisation from the tenement holder.

**Yes**

☒

**No**

☐

## 3. SCOPE OF WORKS

**This Mining Proposal submission meets the criteria of a small mining operation, as described in Appendix 3 of the Department's Statutory Guidelines for Mining Proposals 2020 (the Guideline), with this MP submission compiled to align with Part 2 of the Guideline.**

### 3.1 Describe the activities proposed:

The Wonmunna Iron Ore Project (the Project) is a high-grade iron ore project located approximately 70 km west-northwest of Newman in the Shire of East Pilbara, Western Australia (WA) (Figure 1), with the Project approved under REGID 53252 to produce up to 30 Million Tonnes (Mt) based on a production rate ranging from 3 – 5 Mt per annum (Mtpa) over a life of mine (LOM) of 8 years.

This Mining Proposal (the Proposal) seeks approval to:

- Increase the processing capacity from 5 Mtpa up to a maximum of 10 Mtpa.

This processing increase is to be achieved through mining multiple pit stages concurrently and increasing the project's Ore Handling Plant's (OHP) crushing and screening capacity through installation of a lump re-screening facility within the approved footprint on M47/1424.

This Mining Proposal (MP) submission will not result in any change to the following:

- Land clearing of vegetation, as approved under MP REGID 53252
- Ore Handling Plant disturbance footprint, as approved under MP REGID 53252
- Management controls for dust and noise emissions at the OHP, as approved under MP REGID 53252 and Works Approval W6358/2020/1 (W6358)
- Pit and/ or Waste Rock Landform (WRL) disturbance footprints, as approved under MP REGID 53252
- Geotechnical aspects associated with the operating pits, as approved under MP REGID 53252
- Mining methods for extraction of ore and mine waste from Project pits, as approved under MP REGID 53252
- Waste rock management strategies for the Project's WRLs, as approved under MP REGID 53252
- Waste rock volumes to be generated and managed, as approved under MP REGID 53252
- Waste rock sources and/ or characteristics (physical properties/ geochemical), as described in MP REGID 53252
- Surface water management strategies for the Project, including the OHP domain, as described in MP REGID 53252
- Mine closure activities for closure and remediation of the OHP domain, Pit and WRL domains, as approved under MP REGID 53252

Other activities associated with the Proposal include:

- MP REGID 94408 – An Ancillary Infrastructure MP is currently under assessment with DMIRS, with this submission including the establishment of a process ore stockpile yard and expansion of the accommodation camp and construction of a solar farm
- Works Approval Amendment W6358/2020/1 - Emissions, including dust and noise generated from the increase in crushing and screening processing rates generated from the construction of a lump re-screening facility is currently being assessed by the Department of Water and Environmental Regulations (DWER)
- Works Approval Amendment W6358/2020/1 - Emissions, including treated wastewater to land generated from an increase in the accommodation camp workforce is currently under assessment by DWER, involving an increase to Category 85

| 3. SCOPE OF WORKS   |   |   |  |
|---|---|---|--|
| <ul style="list-style-type: none"> <li>A hydrogeological drilling investigation is scheduled for April 2021 to support estimated LOM water requirements of 900,000 kL/ annum (50% contingency). Subject to the outcome of this investigation, an amendment to Groundwater Licence (GWL) 204222(2) and Groundwater Operating Strategy (GWOS) will be submitted to DWER for assessment.</li> </ul> <p>To support the Project's future LOM operations, the following approval documents are to be submitted:</p> <ul style="list-style-type: none"> <li>An Above Water Table MP – Submission will involve an increase in the mining disturbance envelope (includes additional topsoil stockpiles, establishment of abandonment bund footprints, and haul road widening) is scheduled for submission in calendar year (CY) Q2 2021</li> <li>A Below Water Table MP – Submission will involve an extension at depth of current approved pits, inclusion of two additional open cut pits, and current pit extensions defined by the current resource definition program will be submitted for assessment to DMIRS in CY Q3 2021.</li> </ul> |   |   |  |
| 3.2   | Estimated commencement date:  | April / May 2021  |  |
| 3.3   | Estimated completion date:  | 2025 (on grant of future MPs estimated LOM 2028)  |  |
| 3.4   | Mineral(s) to be mined:   | Iron Ore  |  |
| 3.5   | Maximum number of excavations and length, width and depth of excavations (in metres):                               | Not applicable  |  |
| 3.6   | Maximum tonnes of material mined and processed:   | Up to 30 Mtpa<br>(potential increase in total inventory of ~50 – 60 Mt)   |  |
| 3.7   | Will ore be processed on-site or off-site?  | On-site <input checked="" type="checkbox"/>   | Off-site <input type="checkbox"/> N/A <input type="checkbox"/> |
| If off-site, where will processing occur?   |   | Not applicable  |  |
| If on-site, please describe:  |   | Modular Ore Handling Plant (dry crushing and screening, and stockpiling of ore)   |  |
| <ul style="list-style-type: none"> <li>the type of processing (e.g. dry or wet gold plant, CIP plant, heap or vat leach, crushing and screening<sup>1</sup>); and</li> <li>maximum total throughput or processing volume (in tonnes) for the life of the operation.</li> </ul>  |   | 30 Mt over 4 years (2025)<br>(potential increase in total inventory of ~50 – 60 Mt up to 2028)  |  |
| 3.8   | Will you be utilising chemicals, explosives, cyanide or other dangerous goods? If yes, please describe <sup>2</sup> | Not applicable  |  |
| 3.9   | Description of other support facilities (e.g. camp).  | The Project has approved under REGID 53252 various supporting infrastructure including an accommodation camp, workshops, offices, Run of Mine (ROM) pad, Processing Ore Plant and crushed ore stockpile areas |  |

<sup>1</sup> The Department of Water and Environmental Regulation (DWER) regulates emissions and discharges to the environment through a works approval and licensing process, under Part V of the Environmental Protection Act 1986. You will be required to obtain relevant approvals for a processing plant from DWER if you meet the relevant threshold.

<sup>2</sup> If you will be using dangerous goods, you will need to comply with Dangerous Goods Safety and Storage legislation. Contact DMIRS Mine Safety for further information ([www.dmp.wa.gov.au/Utilities/Safety-contacts-8366.aspx](http://www.dmp.wa.gov.au/Utilities/Safety-contacts-8366.aspx)).

| 4. SITE LAYOUT PLAN   |  |
|---|--|
| <p>A site plan(s) is attached that includes:</p> <ul style="list-style-type: none"><li>• The location of the operation.</li><li>• All proposed and existing site activities.</li><li>• Tenement boundaries and labels.</li><li>• A north indication.</li><li>• A key or labelling of all infrastructure and activities.</li></ul> | <p><b>Yes</b></p> <p><input checked="" type="checkbox"/></p> <p>Refer to: Figure 2</p> <p>Refer to Figure 3 (taken from W6358 amendment)</p> |

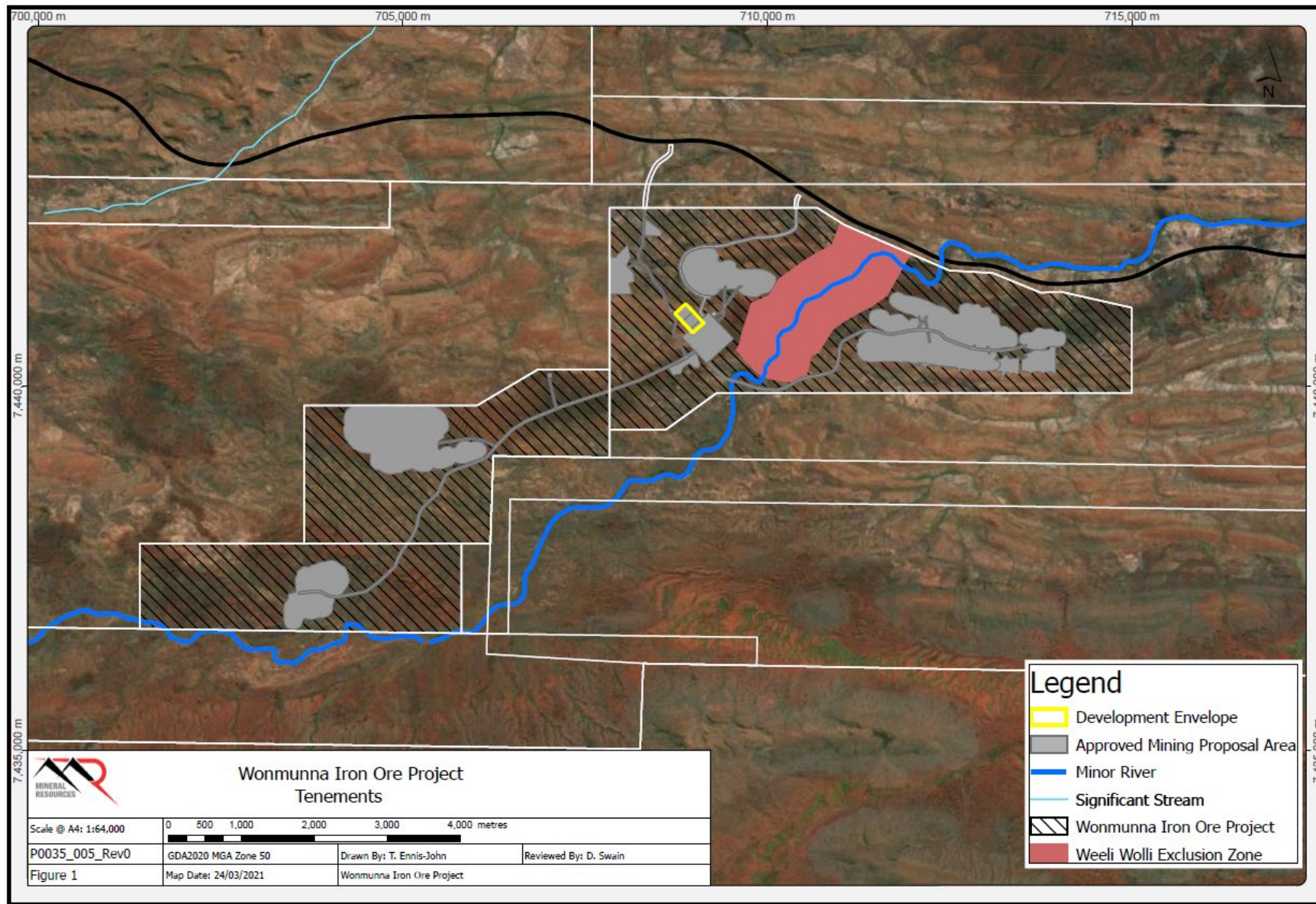


FIGURE 1: LOCATION MAP



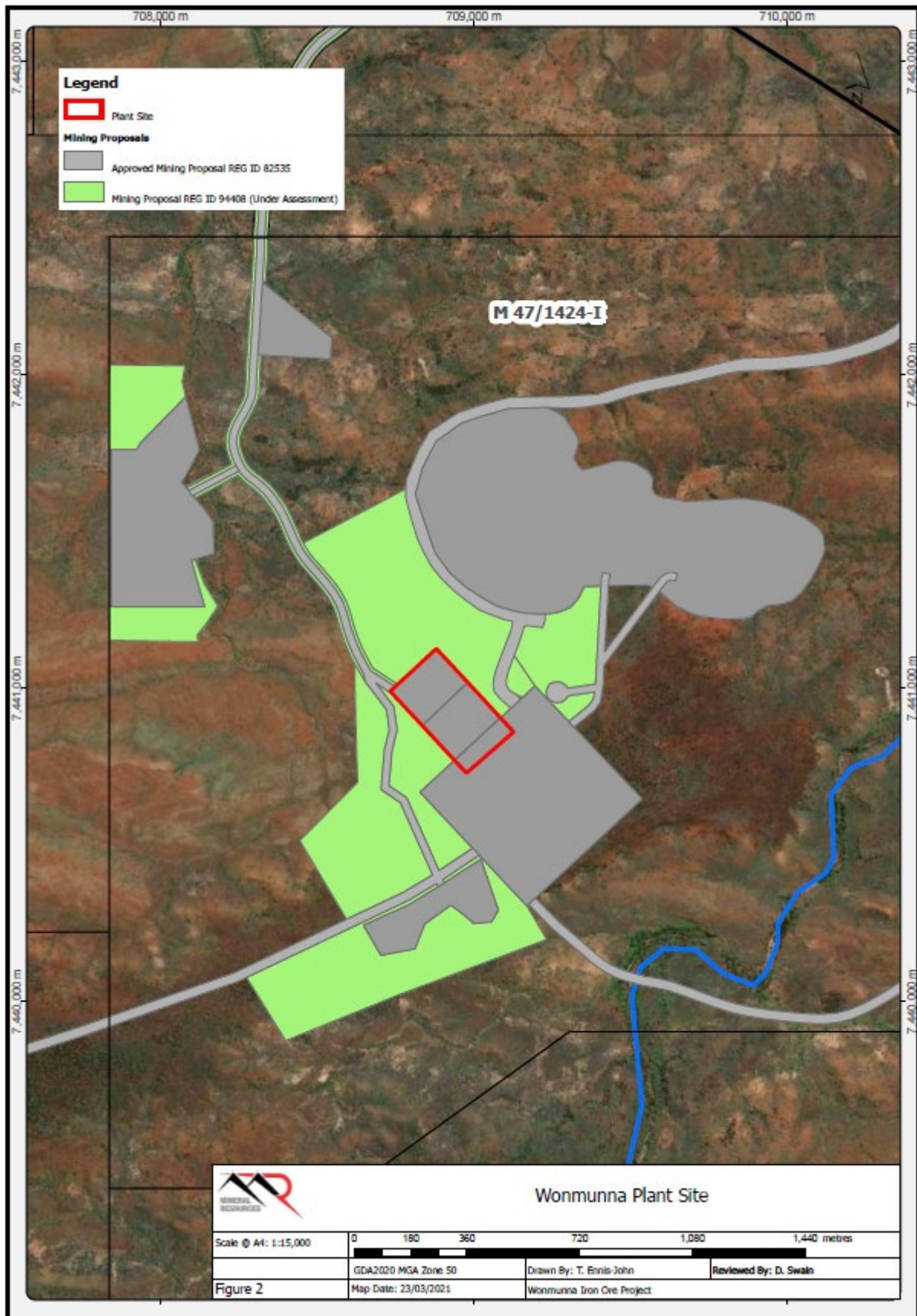


FIGURE 2: SITE LAYOUT MAP

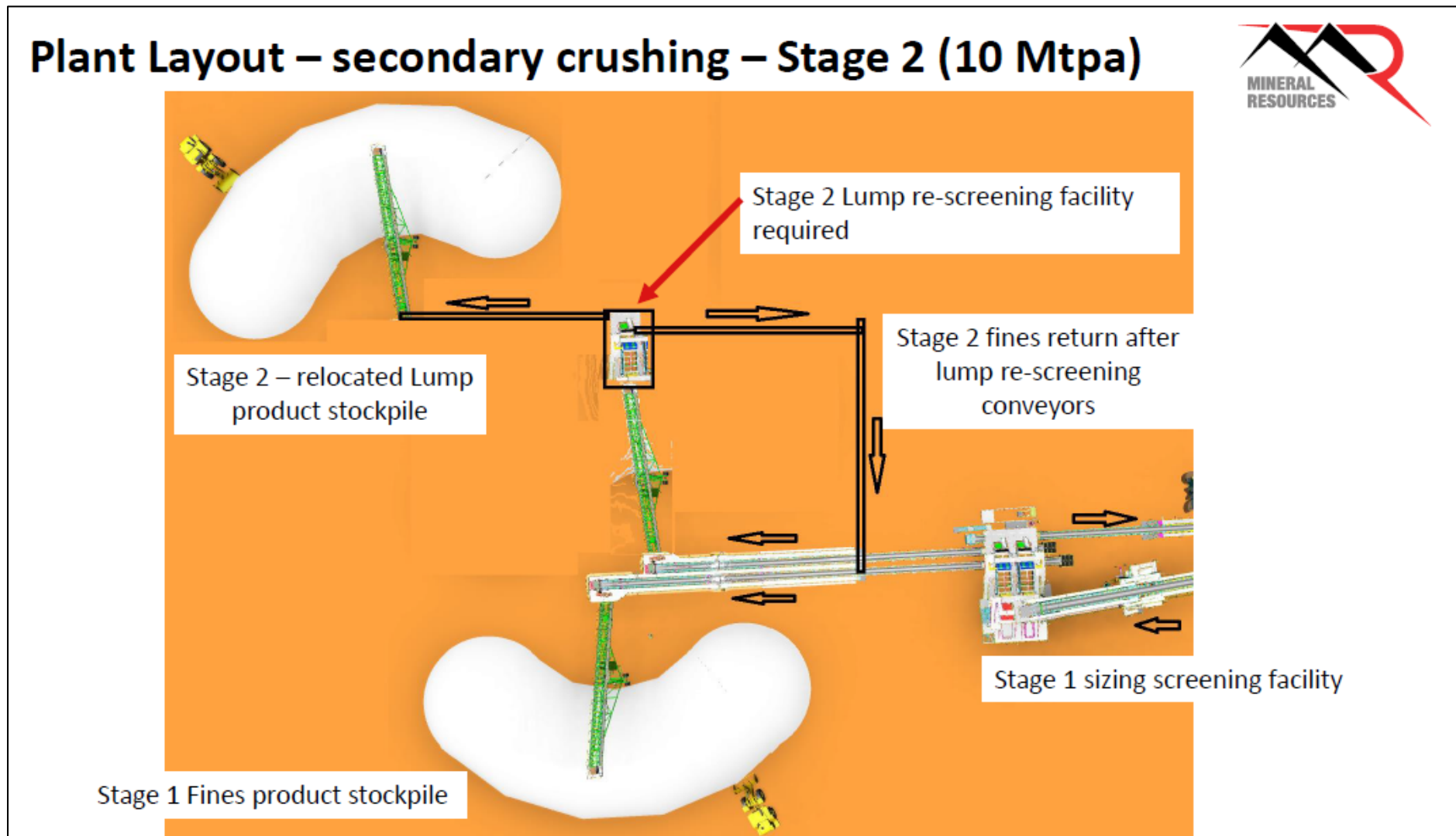


FIGURE 3: SITE LAYOUT - OHP LAYOUT (W6358)

| 5. EXISTING ENVIRONMENT  |  |   |                                     |
|--|--|---|-------------------------------------|
| <b>5.1 Identify the environment in which the operation is located:</b>   |  |   |                                     |
| <input type="checkbox"/> Open Scrub  | <input type="checkbox"/> Dense Scrub                 |   |                                     |
| <input checked="" type="checkbox"/> Low Scrub  | <input type="checkbox"/> Tall Scrub                  |   |                                     |
| <input type="checkbox"/> Salt Bush/Blue Bush   | <input checked="" type="checkbox"/> Spinifex Country |   |                                     |
| <input type="checkbox"/> Salt Lake/Marsh   | <input type="checkbox"/> Sand Dunes                  |   |                                     |
| <input checked="" type="checkbox"/> Woodland   | <input type="checkbox"/> Hilly Country               |   |                                     |
| <input type="checkbox"/> Flat Country  | <input type="checkbox"/> Creek-Lines                 |   |                                     |
| <input type="checkbox"/> Breakaway Country   |  |   |                                     |
| <b>Other (specify):</b><br><p>As described in Section 4.1 of REGID 53252, the Project is located within the Hamersley subregion (PIL3) of the Pilbara Interim Biogeographical Regionalisation of Australia (IBRA) bioregion.</p> <p>The Central Pilbara region corresponds with the Hamersley Plateau physiographic unit and incorporates the Hamersley and lower portion of the Fortescue subregions of the Pilbara IBRA. Fronting the Fortescue valley, the Hamersley Range rises from 450 to 700 m with hills to 900 m and peaks to 1250 m. Incision by modern drainages has produced spectacular gorges and differential erosion within the plateau has produced an environment of extreme relief with hills, ranges, crests, ridges, spurs and gorges.</p> <p>The Hamersley Plateaux is characterised by hills and dissected plateaux (with some stony plains and hardpan wash plains) on sedimentary and volcanic rocks of the Hamersley Basin (Ophthalmia Fold Belt). Stony soils with Red shallow loams and some Red/brown non-cracking clays and Red loamy earths. Spinifex grasslands dominate with <i>Eucalyptus leucophloia</i> (Snappy Gum) over <i>Triodia brizoides</i>, with some Mulga shrublands also common.</p> <p>Note: As described in Section 3.1, the Proposal will not involve any disturbance of vegetation.</p> |  |   |                                     |
| <b>5.2 Any previous workings (historical mines, shafts, open stopes, tailings dams, dumps, old equipment etc.)?</b>  | <b>Yes</b> <input type="checkbox"/>                  | <b>No</b> <input checked="" type="checkbox"/> |                                     |
| <b>If yes above, describe the previous workings:</b> <ul style="list-style-type: none"> <li>Not applicable</li> </ul>  |  |   |                                     |
| <b>5.3 Will the activities occur in Reserved Lands?</b>  | <b>Yes</b> <input type="checkbox"/>                  | <b>No</b> <input checked="" type="checkbox"/> |                                     |
| <b>If yes to 5.3, identify the Reserve (e.g. Timber Reserve, Nature Reserve):</b> <ul style="list-style-type: none"> <li>Not applicable</li> </ul>   |  |   |                                     |
| <b>If yes to 5.3, have you received consent to mine within the Reserve?</b> <ul style="list-style-type: none"> <li>Not applicable</li> </ul>   | <b>Yes</b> <input type="checkbox"/>                  | <b>No</b> <input type="checkbox"/>            |                                     |
| <b>5.4 Will the activities occur in a Public Drinking Water Source Area?<sup>3</sup></b>   | <b>Yes</b> <input type="checkbox"/>                  | <b>No</b> <input checked="" type="checkbox"/> |                                     |
| <b>If yes to 5.4, confirm that you have consulted with the Department of Water and Environmental Regulation and attach relevant information.</b><br><p>As indicated in Section 3.1, Works Approval amendments have been submitted to DWER for assessment involving:</p> <ul style="list-style-type: none"> <li>Change to Category 5</li> <li>Change to Category 85.</li> </ul>   | <b>Yes</b> <input checked="" type="checkbox"/>       | <b>No</b> <input type="checkbox"/>            | <b>N/A</b> <input type="checkbox"/> |

<sup>3</sup> Public Drinking Water Source Area as proclaimed under the *Metropolitan Water Supply, Sewerage and Drainage Act 1909* or the *Country Areas Water Supply Act 1947*



| 5. EXISTING ENVIRONMENT  |  |  |
|--|--|--|
| <p>If <b>yes to 5.4</b>, describe any specific management actions you will undertake to protect the Public Drinking Water Source Area</p> <ul style="list-style-type: none"> <li>Not applicable</li> </ul> |  |  |
| 5.5  | Will the activities occur in an Environmentally Sensitive Area? <sup>4</sup>   | <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> |
| 5.6  | Have you identified any flora or fauna of conservation significance that will be impacted by the proposed activities? <sup>5</sup> | <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> |
| <p>If <b>yes to 5.6</b>, describe the distribution, locations and/or habitat and attach any relevant surveys as appendices.</p> <ul style="list-style-type: none"> <li>Not applicable</li> </ul>           |  |  |
| <p>If <b>yes to 5.6</b>, how will the impacts to conservation significant flora or fauna be managed?</p> <ul style="list-style-type: none"> <li>Not applicable</li> </ul>                                  |  |  |

| 6. AREA OF DISTURBANCE                    |             |  |  |  |  |  |
|---|-------------|--|--|--|--|--|
| List the maximum area of disturbance (ha) | Tenement(s) |  |  |  |  |  |
| Activity/ Disturbance Type                | M47/1424    |  |  |  |  |  |
| Plant Site                                | 7.20        |  |  |  |  |  |
|   |             |  |  |  |  |  |
|   |             |  |  |  |  |  |
| <b>TOTAL (ha)</b>                         | <b>7.20</b> |  |  |  |  |  |

Note: OHP Plant Site previously approved under REGID 53252

Note: OHP Plant Site disturbance area – no new disturbance

<sup>4</sup> Environmentally Sensitive Area as declared by the Minister for Environment under section 51B of the *Environmental Protection Act 1986*. These can be identified through the Department of Water and Environmental Regulation's Clearing Permit System – Map.

<sup>5</sup> A flora and fauna desktop enquiry/search of the project tenements can be undertaken on the Department of Biodiversity, Conservation and Attractions (DBCA) NatureMap website (link: <https://naturemap.dpaw.wa.gov.au/>). If the search identifies flora or fauna of conservation significance, then further work, including on-ground surveys, may be required. This should be discussed with the relevant DMIRS Environmental Officer.

| 7. WASTE ROCK/ TAILINGS/ MINE WASTE MANAGEMENT  |   |                                     |                          |
|---|---|-------------------------------------|--------------------------|
|   | Yes   | No                                  | N/A                      |
| 7.1 Will any waste rock or tailings be generated as part of this proposal?  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7.2 Are you proposing to stockpile waste rock as a permanent landform?  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7.3 Will waste rock/overburden be backfilled into excavation/s?   | <input type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <b>If no to all of the above, please continue at Section 8.</b>   |   |                                     |                          |
| <b>If yes to any of the above, provide the following information and include any supporting documentation as attachments.</b> |   |                                     |                          |
| 7.4   | Provide a description of any problematic materials present in the waste rock, tailings and/or material to be leached (e.g. presence of potentially acid forming material, sodicity, salinity, dispersive potential). <ul style="list-style-type: none"> <li>No change to waste rock volumes, characteristics, management strategies as approved under MP REGID 53252</li> <li>This MP addresses an increase in production capacity from 5 Mtpa up to a maximum of 10 Mtpa.</li> </ul> |                                     |                          |
| 7.5   | If a heap or vat leach is proposed, provide a description of the heap/vat leach facility (e.g. max. height, liner type, process chemicals used, output). <ul style="list-style-type: none"> <li>Not applicable</li> </ul>   |                                     |                          |
| 7.6   | Describe and provide a diagram of the dimensions and/or design of the waste rock landform(s), tailings storage facilities, heap leach, vat leach and/or any other landform(s) to be constructed, including maximum height, and attach any relevant design reports. <ul style="list-style-type: none"> <li>No change to the OHP domain as approved under MP REGID 53252.</li> </ul>  |                                     |                          |

| 8. DUST/ NOISE   |  |   |     |    |                          |                                     |
|--|--|---|-----|----|--------------------------|-------------------------------------|
| 8.1  | Is dust/noise likely to affect any sensitive receptors nearby (e.g. flora or fauna, places of residence, public road, towns/communities, etc.)? <sup>6</sup> | <table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table> | Yes | No | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Yes  | No   |   |     |    |                          |                                     |
| <input type="checkbox"/>   | <input checked="" type="checkbox"/>  |   |     |    |                          |                                     |
| If Yes to the above, detail dust/ noise management measures: <p>No change due to the Proposal:</p> <ul style="list-style-type: none"> <li>Dust and noise mitigation strategies for Project operational areas, including haul roads, pits and WRLs will continue to be undertaken as per MP REGID 53252, including:               <ul style="list-style-type: none"> <li>Water will be added to the ore such that the ore in trucks contains water up to the dust extinction levels of approximately 8%.</li> </ul> </li> <li>Dust mitigation strategies for the OHP area will continue to be undertaken as per MP REGID 53252 and W6358, which include:               <ul style="list-style-type: none"> <li>Sprinklers on crushers and screens</li> <li>Covers on all transfer points</li> <li>Water trucks to manage emissions at the ore stockpiles and hardstand areas</li> <li>Vehicle speed limits</li> </ul> </li> <li>Noise mitigation strategies for the OHP area will continue to be undertaken as per MP REGID 53252 and W6358, which include:               <ul style="list-style-type: none"> <li>Emissions managed in accordance with the <i>Environmental Protection (Noise) Regulations 1977</i></li> <li>Noise attenuation equipment to be used, where practicable to minimise operational noise</li> <li>Regular servicing and maintenance of OHP equipment</li> </ul> </li> </ul> |  |   |     |    |                          |                                     |

<sup>6</sup> The operation will be required to comply with the requirements of the *Environmental Protection (Noise) Regulations 1977*.

| 9. WATER  |  |   |
|---|--|---|
| 9.1 Is water extraction required to support the mining operation?<br>If No, continue at question 9.2  | Yes<br><input checked="" type="checkbox"/> | No<br><input type="checkbox"/>            |
| <p>If yes to 9.1, for what purpose is water extraction required (e.g. processing, dust suppression)?</p> <ul style="list-style-type: none"> <li>Groundwater will continue to be used for the following purposes including: <ul style="list-style-type: none"> <li>Dust suppression for mining purposes</li> <li>Mineral ore processing and other mining purposes</li> <li>Mining camp purposes.</li> </ul> </li> </ul>  |  |   |
| <p>If yes to 9.1, where will water be extracted from (e.g. surface dams, groundwater bores, artesian wells, watercourses, old shafts)?<sup>7</sup></p> <ul style="list-style-type: none"> <li>Raw water to support the Project is abstracted from production bore (PB-02), which was constructed under <i>Rights in Water and Irrigation Act 1914 (WA)</i> 26D Licence CAW203238 (1)</li> <li>Groundwater is extracted from the Wonmunna borefield, under Groundwater Well Licence (GWL) 204222(2) to abstract a total of 470,000 kL per annum</li> </ul> <p>The Project will continue to operate in accordance with the GWL abstraction limit of 470,000 kL per annum and the Wonmunna Groundwater Operating Strategy (GWOS)</p> <ul style="list-style-type: none"> <li>A hydrogeological drilling investigation is scheduled for April 2021 to support estimated LOM water requirements of 900,000 kL/ annum (50% contingency) <ul style="list-style-type: none"> <li>Subject to the outcome of this investigation, an amendment to Groundwater Licence (GWL) 204222(2) and GWOS will be submitted to DWER for assessment</li> <li>If required, the construction of any additional PBs will be undertaken under CAW203238 (1).</li> </ul> </li> </ul> |  |   |
| 9.2 Is dewatering required? <sup>8</sup>  | Yes<br><input type="checkbox"/>            | No<br><input checked="" type="checkbox"/> |
| <p>If yes to 9.2, describe the:</p> <p>Volume to be extracted: Not applicable</p> <p>Water Quality: Not applicable</p> <p>How will the water be managed (eg. stored, discharged): Not applicable</p>  |  |   |

<sup>7</sup> The construction of bores/wells and the extraction of groundwater or surface waters may require approval and licensing from the Department of Water and Environmental Regulation (DWER).

<sup>8</sup> If dewatering is required, this may also require approval and licensing from the Department of Water and Environmental Regulation (DWER).

| 9. WATER                 |   |   |     |    |                          |                                     |
|--------------------------|---|---|-----|----|--------------------------|-------------------------------------|
| 9.3                      | Does the proposed activity involve disturbing the beds and/or banks of a watercourse?   | <table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table> | Yes | No | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Yes                      | No  |   |     |    |                          |                                     |
| <input type="checkbox"/> | <input checked="" type="checkbox"/>   |   |     |    |                          |                                     |
| 9.4                      | <p>Describe the quality of the water (e.g. "fresh"/"brackish"/"saline"/"hypersaline") and quantity of water extracted (kilolitres/year).</p> <ul style="list-style-type: none"> <li>Fresh/ brackish (TDS 560 mg/L; EC 900 µS/cm)</li> <li>Groundwater is extracted from the Wonmunna borefield, which is licence under GWL 204222(2)</li> </ul> <p>The Project will continue to operate in accordance with the GWL abstraction limit of 470,000 kL per annum and the Wonmunna Groundwater Operating Strategy (GWOS)</p> <ul style="list-style-type: none"> <li>A hydrogeological drilling investigation is scheduled for April 2021 to support estimated LOM water requirements of 900,000 kL/ annum (50% contingency) <ul style="list-style-type: none"> <li>Subject to the outcome of this investigation, an amendment to Groundwater Licence (GWL) 204222(2) and GWOS will be submitted to DWER for assessment</li> <li>If required, the construction of any additional PBs will be undertaken under CAW203238 (1).</li> </ul> </li> </ul>   |   |     |    |                          |                                     |
| 9.5                      | <p>Describe how the water will be stored and utilised on site. Provide the height and/or depth of any dams/turkeys nests.</p> <ul style="list-style-type: none"> <li>Abstracted groundwater managed in accordance with the Wonmunna Groundwater Operating Strategy, as required under Condition 3 of GWL204222(2).</li> <li>All borefield infrastructure is approved under MP REGID 53252, with current infrastructure established including: <ul style="list-style-type: none"> <li>A raw water pipeline from PB-02 to the standpipe raw water tanks, with this water used for operational dust suppression activities via water carts</li> <li>A 'T off' line from the PB-02 pipeline (after the flow meter) feeds the crusher main raw water tank for dust suppression within the OHP area.</li> </ul> </li> <li>In the event a turkey nest dam(s) is required, all as-built designs will be provided via future MP submissions, with minimum design criteria including: <ul style="list-style-type: none"> <li>Dam to be lined (hdpe)</li> <li>Embankments to be compacted</li> <li>Install egress matting</li> <li>Perimeter of dam to be fenced</li> <li>Min operational freeboard of 300 mm</li> <li>Dam to contain a storm event of 1:100 year 72-hour event</li> </ul> </li> </ul> |   |     |    |                          |                                     |



| 10. LAND USE AND STAKEHOLDER ENGAGEMENT <sup>9</sup>  |   |   |
|---|---|---|
| 10.1 Describe the underlying and/or pre-existing land uses of the area: <ul style="list-style-type: none"> <li>Unallocated Crown Land (UCL)</li> <li>Refer to Figure 2</li> </ul>   |   |   |
| 10.2 If the activities are on a pastoral lease, confirm that the pastoralist has been notified.   | <b>Yes</b><br><input type="checkbox"/>            | <b>N/A</b><br><input checked="" type="checkbox"/> |
| 10.3 For stakeholders that will be affected by the proposed operation, list those stakeholders and any engagement undertaken to date including any issues raised.<br>Stakeholders engagement to support this Proposal include (Refer to Attachment 1): <ul style="list-style-type: none"> <li>DMIRS</li> <li>DWER</li> <li>Karlka Nyiyaparli Aboriginal Corporation (Ngarlawangga and Nyiyaparli people)</li> </ul> <p>A Project update with the Shire of East Pilbara is scheduled for March 2021 following the commencement of the new Shire CEO on 24 March.</p>   |   |   |
| 10.4 Confirm that you have completed an enquiry/search of the Department of Planning, Lands and Heritage (DPLH) Aboriginal Heritage Inquiry System (link: <a href="https://maps.daa.wa.gov.au/AHIS/">https://maps.daa.wa.gov.au/AHIS/</a> ) for the area subject to this proposal.  | <b>Yes</b><br><input checked="" type="checkbox"/> |   |
| 10.5 Does your proposal partly or wholly intersect the boundary of a Registered Site?<br>The Project area is partially contained within the native title claim of the Nyiyaparli Traditional Owners (NNTT no. WC2013/003; Nyiyaparli #3). The southern section is contained within the Ngarlawangga native title claim covered by the Native Title Mining Agreement ratified on 23 April 2012.<br>To comply with the <i>Aboriginal Heritage Act 1972</i> (WA), a series of site identification and heritage assessments have been completed in consultation with the Project's traditional owners and Karlka Nyiyaparli Aboriginal Corporation (KNAC).<br>The following management measures have been implemented to minimise the risk of impact to areas of heritage significance within the Project's approved operational areas: <ul style="list-style-type: none"> <li>Operational survey control will be utilised to ensure that all areas classified as 'not cleared' within the Proposal footprint are clearly delineated (flagged) to ensure that no activities occur within these areas</li> <li>WIO will ensure that no disturbance of any 'not-cleared' heritage location with the Proposal area occurs until relevant approval under the AHA 1972 is obtained.</li> </ul> | <b>Yes</b><br><input type="checkbox"/>            | <b>No</b><br><input checked="" type="checkbox"/>  |

<sup>9</sup> Please note that under section 20 (5) of the *Mining Act 1978* you must obtain written consent from the occupier of any Crown Land (e.g. pastoral lease holder) for any activities within 100 metres of a yard, garden, cultivated field, orchard, vineyard, plantation, airstrip, burial ground, land under crop, house, substantial occupied building; or within 400 metres of a water works, race, dam, bore.

## 11. ENVIRONMENTAL MANAGEMENT COMMITMENTS

Please note, the following tenement conditions (where relevant) will be imposed under the *Mining Act 1978* if this mining proposal is approved. If you have any objections to any of these, please detail in section 11.1.

- Topsoil and vegetation to be removed ahead of mining operations and appropriately stockpiled for later resspreading or immediately resspread as rehabilitation progresses.
- All reasonable and practicable measures will be taken to prevent the spread of dieback and weeds.
- Lined storage dams will be fitted with appropriate fauna egress points to ensure that any fauna does not become entrapped.
- All rubbish and waste will be appropriately managed and disposed.
- All reasonable measures will be taken to ensure all hydrocarbons, environmentally hazardous chemicals, process water and other environmentally hazardous substances or waste are stored and managed in a manner to prevent discharges to the environment.
- All hydrocarbon spills or chemical spills will be contained and cleaned up within a timely manner.
- Clearing of large, mature trees will be avoided, where practicable.
- All activities to be undertaken so as to avoid or minimise damage, disturbance or contamination of waterways, including their beds and banks, and riparian and other water dependent vegetation.
- The development and operation of the project being carried out in such a manner so as to create the minimum practicable disturbance to the existing native vegetation and natural landform.
- The lessee taking all reasonable and practicable measures to prevent or minimise the generation of dust from mining operations.

For scrape and detecting and dry blowing operations:

- Scrape and detecting and dry blowing operations are to be progressively rehabilitated so that no more than two hectares will be open (meaning disturbed without rehabilitation works being completed) at any one time.
- For tailings storage, heap leach and/or vat leach facilities:
- The lessee directing stormwater runoff away from areas adjacent to tailings storage, vat leach or heap leach facilities to minimise the potential for pollution or contamination of stormwater, or erosion of the facility.
- All vat leach or heap leach facilities being constructed with an appropriate liner to prevent the pollution or contamination of the natural ground, surface water or underground waters.
- All reasonable measures will be taken to construct tailings storage, vat leach or heap leach facilities in a manner to prevent discharges from the facility to the environment.

For river sand mining:

- No materials shall be extracted from below the bed load zone of the river.

## 11. ENVIRONMENTAL MANAGEMENT COMMITMENTS

11.1 Describe any modified or additional management commitments and/or methods of minimising disturbance that you will be implementing; or any objections you have to the above conditions:

The Proposal requires no additional disturbance of the approved OHP domain (REGID 53252). The Proposal requires no new or additional management commitments, with the following provided:

- Wonmunna Project - Surface Water Management (MP REGID 53252)
  - As indicated in the Wonmunna Surface Water Management Plan, “dirty” water runoff from the ore handling plant disturbance footprint will be captured and diverted through sediment basins prior to discharge to the downstream environment
  - Where possible, “clean” water will be diverted around the Project disturbance areas. If this is not practicable, “clean” diversions through disturbance footprints will be constructed, with the “clean” water transferred via separate drainage to “dirty” water
  - For all infrastructure areas, which includes the OHP, areas will be contained by perimeter bunding, with hardstands shaped to drain incidental rainfall to designated points. Perimeter bunds to be sufficient height to manage a 1:100 year, 72-hour storm event. For drains that direct surface water runoff to constructed sediment basins, the drain dimensions will be approximately 1 m wide, 1 m depth and side slope angles no greater than 1:3
  - Nominal locations for surface water infrastructure provided in Figure 4 (taken from REGID 94408).
- OHP Ore Stockpiles - Dust Management
  - As indicated in W6358 amendment, the change in production capacity will not require establishment of new ore stockpiles, with the Lump Product Stockpile only to be relocated within the OHP footprint
  - The primary method of fugitive dust suppression on open areas and stockpiles is by water cart
  - Dust mitigation measures remain as approved under MP REGID 5352 and W6358.
- New Ore Stockyard - Dust management
  - Currently under assessment, MP REGID 94408 proposes the establishment of a Class 2 ore stockyard for stockpiling of processed material prior to hauling off site.
  - The primary method of fugitive dust suppression on open areas and stockpiles is by water cart.

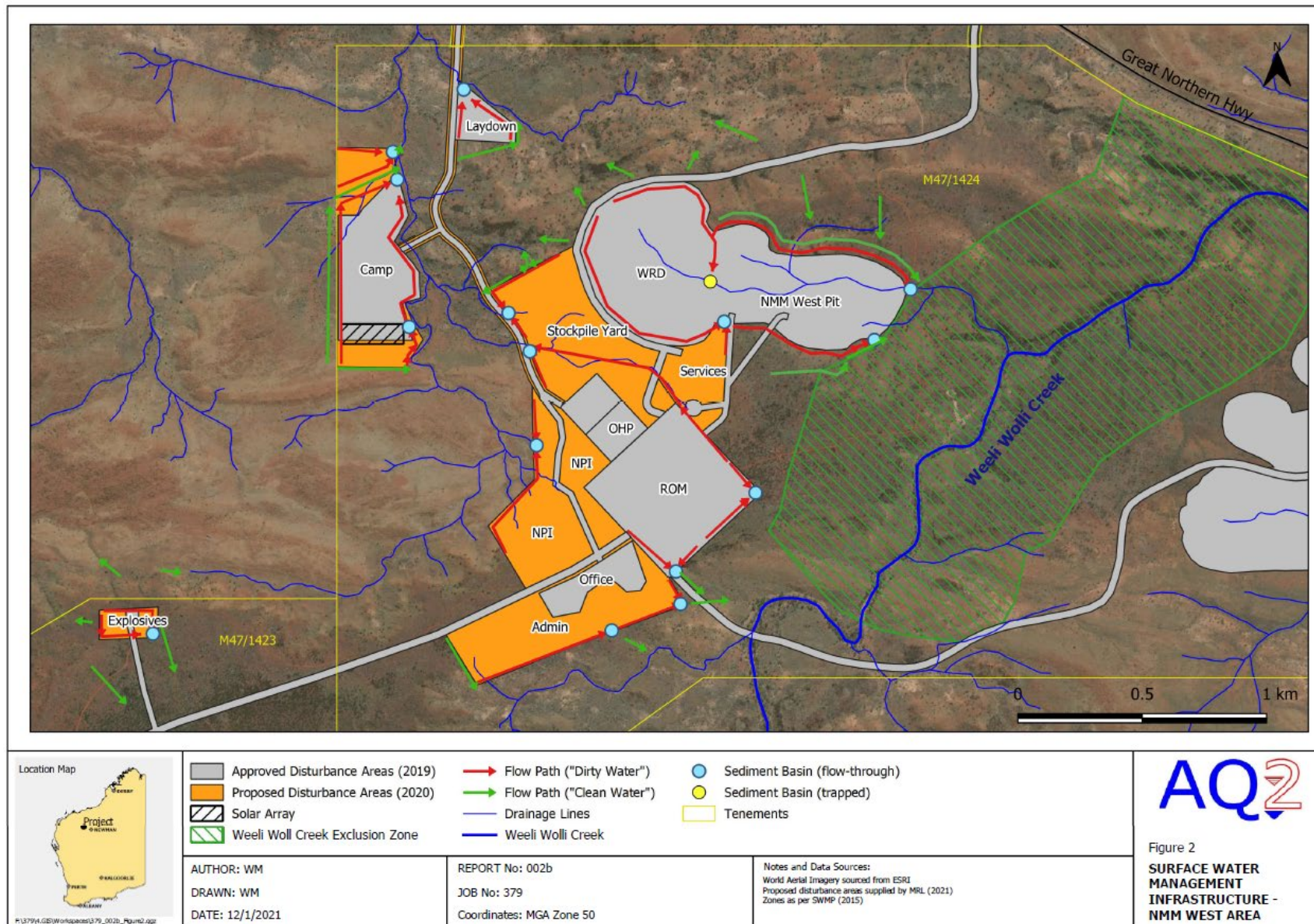


FIGURE 4: SURFACE WATER DRAINAGE INFRASTRUCTURE



## **Attachments**

## ATTACHMENT 1: PROPOSAL STAKEHOLDER ENGAGEMENT

| Stakeholder                             | Dates         | Format                                    | Personnel/Contacts  | Topics / Issues Raised  | Proponent Response / Outcome  | Follow Up  |
|---|---------------|---|---|---|---|--|
| Karlka Niyaparli Aboriginal Corporation | 25/09/2020    | Implementation Committee Meeting          | Corporation Representatives: <ul style="list-style-type: none"> <li>Victor Parker, Niyaparli</li> <li>Leonard Stream, Niyaparli</li> <li>Lindsay Yuline, Niyaparli</li> <li>James Rhee, Karlka Niyaparli Aboriginal Corporation</li> <li>Zsuzsanna Gonda, Heritage and Land Manager, Karlka Niyaparli Aboriginal Corporation</li> <li>Kate Holloman, Niyaparli Legal Council</li> </ul> MRL Representatives: <ul style="list-style-type: none"> <li>Joshua Thurlow, MRL General Manager Project Development</li> <li>Ben Bryant, MRL Head of Communities and Stakeholder Engagement</li> <li>Darren Hardy, MRL General Manager</li> <li>Jemimah Pullin, MRL Land Access Manager</li> <li>Meg McCorry, MRL Heritage Advisor</li> </ul>   | <ul style="list-style-type: none"> <li>Project History</li> <li>Heritage Status</li> <li>Current Status of the Project</li> <li>Future Environmental Approvals</li> <li>Cultural Awareness Training</li> <li>Partnership Opportunities</li> <li>Future Heritage Requirements</li> </ul> | <ul style="list-style-type: none"> <li>MRL requested Aboriginal monitors on site during ground clearing.</li> <li>MRL requested Aboriginal heritage surveys take place as soon as possible.</li> <li>KNAC requested a renewed cultural heritage management plan process.</li> </ul>   | <ul style="list-style-type: none"> <li>MRL to liaise with Corporation to set the date for the next Implementation Committee Meeting – early 2021.</li> </ul>   |
| Main Roads WA                           | 4/11/2020     | Deed of Agreement                         | Darren Hardy – MRL<br>Andrew Pyke - MRWA  | <ul style="list-style-type: none"> <li>Deed of agreement for MRL to design and construct intersection within Main Roads corridor SLK</li> </ul>   | <ul style="list-style-type: none"> <li>Deed signed and received.</li> </ul>   |  |
| DMIRS                                   | 23/11/2020    | Meeting                                   | DMIRS Representatives: <ul style="list-style-type: none"> <li>Melissa Harrison</li> <li>Matt Boardman</li> <li>Jacob King</li> </ul> MRL Representatives: <ul style="list-style-type: none"> <li>Les Purves - MRL</li> <li>Phil Scott - Preston</li> <li>Kalon Gibson - Preston</li> </ul>  | <ul style="list-style-type: none"> <li>Overview of Proposal area;</li> <li>Approval status;</li> <li>Changes required to Project approvals for urgent ancillary infrastructure changes to support construction activities; and</li> <li>Approvals schedule and next steps.</li> </ul>   | <ul style="list-style-type: none"> <li>DMIRS advised that the best approach would be to submit a new MP and MCP separate from the Project approvals for the Proposal.</li> <li>Review of previous surveys may be required to ensure adequacy to support Project approvals.</li> </ul> |  |
| Karlka Niyaparli Aboriginal Corporation | 23-29/11/2020 | Aboriginal archaeological heritage survey | Corporation Representatives: <ul style="list-style-type: none"> <li>Jacob Lambert, Archaeologist Gavin Jackson Cultural Resource Management (GJCRM)</li> <li>Paul Smithson, Archaeologist GJCRM</li> <li>Ben Pentz, Archaeologist GJCRM</li> <li>Andrew Schaefer, Archaeologist GJCRM</li> <li>Clifford Jones, Niyaparli representative</li> <li>Lleyton Drage, Niyaparli representative</li> <li>Ernest Banjo, Niyaparli representative</li> <li>Clifton Monaghan, Niyaparli representative</li> </ul> MRL Representatives: <ul style="list-style-type: none"> <li>Meg McCorry, Heritage Advisor MRL</li> <li>Melissa O'Toole, Consultant Environmentalist 360 Environmental</li> <li>James Samson, Environmental Officer MRL</li> <li>Brendan Waddington, Supervisor MRL</li> </ul> | <ul style="list-style-type: none"> <li>Aboriginal material cultural heritage in the context of the Wonmunna Mine project area.</li> </ul>   | <ul style="list-style-type: none"> <li>Surveys of priority areas were completed and some cultural heritage material was identified and recorded.</li> </ul>   | <ul style="list-style-type: none"> <li>Requirement for further surveys and cultural heritage values recording will be determined subject to future clearing/ Project requirement applications</li> <li>Development and execution of a cultural heritage management plan proposed.</li> </ul> |

| Stakeholder                             | Dates                                      | Format                                  | Personnel/Contacts  | Topics / Issues Raised  | Proponent Response / Outcome   | Follow Up   |
|---|--|---|---|---|--|---|
| Karlka Niyaparli Aboriginal Corporation | 27/11/2020                                 | Aboriginal ethnographic heritage survey | Corporation representatives: <ul style="list-style-type: none"> <li>Stanley Watson, Niyaparli representative</li> <li>Peter Flan, Niyaparli representative</li> <li>Jimmy Williams, Niyaparli representative</li> <li>Slim Williams Snr, Niyaparli representative</li> <li>Jason Anthony Snr, Niyaparli representative</li> <li>Slim Williams Jnr, Niyaparli representative</li> <li>John Sharkey, Field Assistant Total Heritage</li> <li>Jeremy Pool, Field Assistant Total Heritage</li> <li>Olivia Norris, Anthropologist Stevens Heritage Services</li> </ul> MRL Representatives: <ul style="list-style-type: none"> <li>Meg McCorry, Heritage Advisor MRL</li> <li>James Sansom, Environmental Officer MRL</li> </ul> Other: <ul style="list-style-type: none"> <li>Weldon Percy, Pilot Fortescue Heritage Services</li> </ul> | <ul style="list-style-type: none"> <li>Aboriginal ethnographic cultural heritage in the context of the Wonmunna Mine project area</li> </ul>  | <ul style="list-style-type: none"> <li>Survey of the priority areas was completed</li> <li>No places of ethnographic cultural significance were identified in the priority areas.</li> </ul> | <ul style="list-style-type: none"> <li>Further survey of the remaining survey areas is required and cultural heritage recording and management plan for DPLH site ID 24764 (Forgotten Pool) was recommended. This is planned to be undertaken in 2021.</li> </ul>   |
| Main Roads WA                           | 15/12/2020                                 | Email                                   | MRWA Representatives: <ul style="list-style-type: none"> <li>Andrew Pyke – MRWA</li> <li>Scott Buckingham - MRWA</li> </ul> MRL Representatives: <ul style="list-style-type: none"> <li>Darren Hardy – General Manager MRL</li> </ul>   | <ul style="list-style-type: none"> <li>Development of Wonmunna Project, use of Great Northern Highway, constructing intersection.</li> </ul>  | <ul style="list-style-type: none"> <li>NVCP applications</li> </ul>  |   |
| Karlka Niyaparli Aboriginal Corporation | 20 -23/12/2020<br>28/12/2020 to 07/01/2021 | Aboriginal heritage monitoring          | Corporation Representatives: <ul style="list-style-type: none"> <li>Stanley Watson, Niyaparli representative</li> <li>Alastin Ingie, Niyaparli representative</li> </ul> MRL Representatives: <ul style="list-style-type: none"> <li>James Samson, Environmental Officer MRL</li> <li>Melissa O'Toole, Consultant Environmentalist 360 Environmental</li> </ul>   | <ul style="list-style-type: none"> <li>Monitoring of land clearing activities in the vicinity of Aboriginal heritage places in accordance with the Niyaparli Native Title Agreement for the project area.</li> </ul>                          | <ul style="list-style-type: none"> <li>Karlka Niyaparli Aboriginal Corporation requested the presence of two Aboriginal heritage monitors during land clearing activities.</li> </ul>        | <ul style="list-style-type: none"> <li>Aboriginal heritage monitoring has and is occurring during land clearing in the vicinity of Aboriginal heritage places.</li> <li>No impact to cultural heritage has occurred.</li> <li>Further monitoring is scheduled from 7/01 - 11 January 2021 and then from 14 -19 January 2021.</li> </ul> |
| DMIRS                                   | 18/03/2021                                 | Phone/ Email                            | MRL Representatives: <ul style="list-style-type: none"> <li>Dale Carter</li> </ul> DMIRS: <ul style="list-style-type: none"> <li>Tiffany George</li> </ul>  | <ul style="list-style-type: none"> <li>Enquiry as to whether the submitted Ancillary Infrastructure MP was to include details to support the proposed change in production rate from 5 Mtpa to 10 Mtpa</li> </ul>                             | <ul style="list-style-type: none"> <li>Advised no MP submission was proposed given there was no change to the OHP disturbance envelope or activities to be undertaken</li> </ul>             | <ul style="list-style-type: none"> <li>DMIRS advised an MP would be required</li> </ul>   |
| DWER                                    | 18/03/2021                                 | Phone                                   | MRL Representatives: <ul style="list-style-type: none"> <li>Dale Carter</li> </ul> DWER: <ul style="list-style-type: none"> <li>Steve Checker</li> </ul>  | <ul style="list-style-type: none"> <li>MRL advised that DWER had placed the 10 Mtpa works assessment on hold on advice from DMIRS regarding the requirement for submission of a mining proposal to address this production change.</li> </ul> |  |   |
| DMIRS                                   | 19/03/2021                                 | Email                                   | MRL Representatives: <ul style="list-style-type: none"> <li>David Swain</li> <li>Trevor Ennis-John</li> </ul> DMIRS: <ul style="list-style-type: none"> <li>Melissa Harrison</li> <li>Tiffany George</li> <li>Matt Boardman</li> </ul>  | <ul style="list-style-type: none"> <li>Meeting invite sent to DMRS to (1) determine a pathway forward for the Wonmunna Ancillary Infra MP and (2) discuss the change in production profile.</li> </ul>  | <ul style="list-style-type: none"> <li>Meeting scheduled for 22 March</li> </ul>   |   |

| Stakeholder | Dates      | Format                            | Personnel/Contacts  | Topics / Issues Raised  | Proponent Response / Outcome  | Follow Up  |
|-------------|------------|-----------------------------------|---|---|---|--|
| DWER        | 22/03/2021 | Phone                             | MRL Representatives:<br><ul style="list-style-type: none"> <li>David Swain</li> </ul> DWER:<br><ul style="list-style-type: none"> <li>Steve Checker</li> </ul>  | <ul style="list-style-type: none"> <li>Discussed reasoning for the WAA being placed on hold and updated DWER on upcoming meeting with DMIRS to determine an agreed strategy.</li> <li>DWER advised that DMIRS would advise on outcomes of discussions with MRL.</li> </ul>                                  |   |  |
| DMIRS       | 22/03/2021 | Teams Meeting                     | MRL Representatives:<br><ul style="list-style-type: none"> <li>David Swain</li> <li>Trevor Ennis-John</li> </ul> DMIRS:<br><ul style="list-style-type: none"> <li>Melissa Harrison</li> <li>Tiffany George</li> </ul> Matt Boardman | <ul style="list-style-type: none"> <li>Meeting held to (1) determine a pathway forward for the Wonmunna Ancillary Infra MP and (2) discuss the change in production profile</li> </ul>  | Outcomes:<br><ul style="list-style-type: none"> <li>Ancillary Infrastructure MP would continue to be assessed, with DMIRS advising of an RFI regarding some issues.</li> <li>MP submission to be provided to address the change in production profile from 5 Mtpa to 10 Mtpa.</li> <li>DMIRS indicated MP would need to describe such items as potential impacts to surface water and mine closure outcomes due to the change in production profile.</li> </ul> |  |
| DMIRS       | 23/03/2021 | Phone                             | MRL Representatives:<br><ul style="list-style-type: none"> <li>Les Purves</li> </ul> DMIRS:<br><ul style="list-style-type: none"> <li>Melissa Harrison</li> </ul>   | <ul style="list-style-type: none"> <li>Discussion to confirm that MRL were compiling a Mining Proposal for a Small Mining Operation to address the change in production profile</li> </ul>  |   |  |
| DWER        | 24/03/2021 | Email/ Formal Notification Letter | MRL Representatives:<br><ul style="list-style-type: none"> <li>David Swain</li> </ul> DWER:<br><ul style="list-style-type: none"> <li>Steve Checker</li> </ul>  | <ul style="list-style-type: none"> <li>Notification received indicating that the Works Approval Amendment application for a change to 10 Mtpa was suspended until provision of evidence showing a Mining Proposal, which incorporates all works listed under the WAA has been submitted to DMIRS</li> </ul> |   |  |
| DMIRS       | 25/03/2021 | Phone                             | MRL Representatives:<br><ul style="list-style-type: none"> <li>David Swain</li> </ul> DMIRS:<br><ul style="list-style-type: none"> <li>Melissa Harrison</li> </ul>  | <ul style="list-style-type: none"> <li>MRL advised that the Wonmunna Increase in Production MP had been prepared and was to be submitted by CoB</li> <li>MP submitted in line with WAA submitted for a change of production rate to 10 Mtpa</li> </ul>  |   | <ul style="list-style-type: none"> <li>Voice message left indicating the Wonmunna Increase in Processing Rate MP for a Small Mining Operation would be submitted today</li> <li>Follow email provided (25/03/2021)</li> </ul>  |
| DWER        | 25/03/2021 | Phone/ Email                      | MRL Representatives:<br><ul style="list-style-type: none"> <li>David Swain</li> </ul> DWER:<br><ul style="list-style-type: none"> <li>Steve Checker</li> </ul>  | <ul style="list-style-type: none"> <li>DWER advised that the Wonmunna Increase in Production MP had been submitted to DMIRS</li> </ul>  |   | <ul style="list-style-type: none"> <li>Voice message left indicating the Wonmunna Increase in Processing Rate MP for a Small Mining Operation would be submitted today</li> <li>Follow email provided, which included a copy of the MP and a request for DWER to recommence the assessment of the WAA</li> </ul> |



# Wonmunna Iron Ore Project

## MINE CLOSURE PLAN FOR SMALL MINING OPERATIONS

### 1. COVER PAGE

If this mine closure plan is submitted as part of a mining proposal, confirm whether the below details are as per Section 1 of the mining proposal. If there are any differences please complete the below.

**Yes**  
☒

**Project Title:**

**Tenement(s):**

**Document Revision:**

**Operator(s):**

**Contact:**

**Address:**

**Phone:**

**Email:**

**Date:**

| 2. PROJECT SUMMARY   |  |
|--|--|
| <p>If this mine closure plan is submitted as part of a mining proposal, confirm whether section 2.1 and 2.2 are the same as Section 3 and 4 of the mining proposal and <b>proceed to question 3 below</b>.</p> <p>If there are any differences or this is a reviewed mine closure plan complete 2.1 and 2.2 below.</p>   | <p><b>Yes</b></p> <p><input checked="" type="checkbox"/></p> |
| <p>2.1 Describe the operation including major mine activities, land disturbances, tenements and other land tenure.</p>   |  |
| <p>2.2 A site plan(s) is attached that includes:</p> <ul style="list-style-type: none"> <li>• The location of the operation.</li> <li>• All proposed and existing site activities.</li> <li>• Tenement boundaries and labels.</li> <li>• A north indication.</li> <li>• A key or labelling of all infrastructure and activities.</li> </ul> <p>Refer to Figure 1, Figure 2, Figure 3</p> | <p><b>Yes</b></p> <p><input checked="" type="checkbox"/></p> |

| 3. POST-MINING LAND USE AND STAKEHOLDER ENGAGEMENT  |  |  |   |
|---|--|--|---|
| If this mine closure plan is submitted as part of a mining proposal, confirm whether the below details are the same as Section 10 of the mining proposal and <b>proceed to question 3.3 below</b> .<br>If there any differences or this is a reviewed mine closure plan, complete 3.1 and 3.2 below.  |  |  | <b>Yes</b><br><input checked="" type="checkbox"/> |
| 3.1 What are the underlying and/or pre-existing land uses of the area?  |  |  |   |
| 3.2 List those stakeholders affected by rehabilitation and mine closure and any consultation undertaken to date.  |  |  |   |
| 3.3 Is the underlying/pre-existing land use expected to change after the completion of mining?  | <b>Yes</b><br><input type="checkbox"/>   | <b>No</b><br><input checked="" type="checkbox"/> |   |
| 3.4 <b>If yes at 3.3</b> , describe the changed end land use.<br>Note: if the underlying/pre-existing land use is expected to change after completion of mining then consultation is expected to be conducted with the relevant stakeholders.   |  |  |   |
| 3.5 Has engagement been undertaken with stakeholders affected by a change in land use?  | <b>Yes</b><br><input type="checkbox"/>   | <b>No</b><br><input type="checkbox"/>            | <b>N/A</b><br><input checked="" type="checkbox"/> |
| 3.6 Describe the strategy for ongoing stakeholder engagement:<br><br>Stakeholder engagement with the relevant stakeholders will continue to be conducted throughout the life of the Project, specifically where: <ul style="list-style-type: none"> <li>A significant change to the approved Disturbance Envelope and/or PMLU (e.g. expansion of a pit or waste rock landform) is proposed</li> <li>Issues are identified that specifically relate to rehabilitation and mine closure High-risk activities (as required by the risk assessment process) are proposed</li> <li>Issues/ areas of concern regarding existing operations are raised by Project stakeholders.</li> </ul> Ongoing consultation with the Project's key stakeholders will continue to be undertaken as described below: |  |  |   |
| Stakeholder   | Proposed Engagement  |  |   |
| DMIRS   | <ul style="list-style-type: none"> <li>Consultation between WIO and DMIRS during the Project's LOM and following cessation of operations will be undertaken through: <ul style="list-style-type: none"> <li>Annual compliance reporting and site inspections</li> <li>For new Proposals, consultation via pre-submission scoping meeting</li> <li>3 Yearly MCP review</li> <li>Adhoc engagement, as required.</li> </ul> </li> </ul>       |  |   |
| DWER  | <ul style="list-style-type: none"> <li>Consultation between WIO and DWER during the Project's LOM and following cessation of operations will be undertaken through: <ul style="list-style-type: none"> <li>Annual compliance reporting and site inspections</li> <li>For new Part V applications, consultation via pre-submission consultation</li> <li>3 Yearly MCP review</li> <li>Adhoc engagement, as required.</li> </ul> </li> </ul> |  |   |
| DPLH  | <ul style="list-style-type: none"> <li>Consultation between WIO and DPLH during the Project's LOM and following cessation of operations will be undertaken through: <ul style="list-style-type: none"> <li>3 Yearly MCP review</li> <li>Adhoc engagement, as required.</li> </ul> </li> </ul>  |  |   |
| Shire of East Pilbara   | <ul style="list-style-type: none"> <li>Consultation between WIO and the Shire of East Pilbara during the Project's LOM and following cessation of operations will be undertaken through: <ul style="list-style-type: none"> <li>3 Yearly MCP review</li> <li>Adhoc engagement, as required.</li> </ul> </li> </ul>   |  |   |

**3. POST-MINING LAND USE AND STAKEHOLDER ENGAGEMENT**

## Traditional Owners

- Consultation with the Karlka Niyaparli Aboriginal Corporation during the Project's LOM and following cessation of operations will be undertaken through:
  - 3 Yearly MCP review
  - Adhoc engagement, as required.
- MRL's Community and Stakeholder Engagement team will facilitate all engagement activities.



#### 4. CLOSURE OUTCOMES, COMMITMENTS AND IMPLEMENTATION

4.1 Describe the rehabilitation commitments for any landform(s) (e.g. waste rock landform, tailings storage facility, heap leach):

Rehabilitation activities for the Ore Handling Plant domain (classified Industrial Infrastructure) will include:

- All features in the Industrial Infrastructure domain have potential to contain areas deemed to be contaminated sites under the *Contaminated Site Act 2003*.
- At the Pro-closure stage, an investigation to identify contaminants will be completed, in accordance with the Contaminated Site Guideline Series. Results and recommendations from this investigation will be provided to DMIRS in the Contaminated Sites Audit.
- All sites identified in the Contaminated Sites Audit as requiring remediation will be appropriately remediated and details of remedial actions and results summarised in the Contaminated Sites Remediation Report.
- All infrastructure will be removed from site and sold, re-used, recycled or appropriately disposed of.
- All footings and concrete structures will be removed or buried at least 1 m below surface.
- All rubbish and scrap will be appropriately disposed of.
- All sumps/ponds will be removed or liners folded in and buried 1 m below ground. Sides of sumps/ponds will be pushed in.
- All surface footprints will be re-contoured to tie in with the surrounding landscape, including re-instatement of drainage lines.
- Where available, topsoil will be re-spread over the surface of disturbed areas.
- All cleared surface areas will be ripped on the contour and compacted ground deep ripped to break compaction.
- Should supplementary seeding of areas be required, seed will be sourced from local provenance native seed from the surrounding region being consistent with vegetation associations and native species recorded at the Project prior to original clearing.

4.2 **Please note, the tenement conditions will be imposed under the *Mining Act 1978* if this mine closure plan is approved. If you have any objections to these, please detail in section 4.3.**

- All mining related landforms and disturbances must be rehabilitated, in a progressive manner where practicable, to ensure they are safe, stable, non-polluting, integrated with the surrounding landscape and support self-sustaining, functional ecosystems or alternative agreed outcome to the satisfaction of the Executive Director, Resource and Environmental Compliance, Department of Mines, Industry Regulation and Safety.
- All excavations will be backfilled and/or closed to ensure they are stable and safe, to the satisfaction of the Executive Director, Resource and Environmental Compliance Division, DMIRS.
- Placement of waste material must be such that the final footprint after rehabilitation will not be impacted upon by pit wall subsidence or be within the zone of pit instability to the satisfaction of the Executive Director, Resource and Environmental Compliance, Department of Mines, Industry Regulation and Safety.
- All waste materials, rubbish, plastic sample bags, abandoned equipment and temporary buildings to be removed from the mining prior to or at the termination of the operation.
- Any watercourses that are disturbed by mining operations will be restored, as far as practicable, to the pre-disturbance conditions.
- Any shafts will be covered, fenced or otherwise made safe to the satisfaction of the Executive Director, Resource and Environmental Compliance Division, DMIRS.
- All chemicals and hydrocarbons will be removed from site prior to or at the termination of the operation.

For heap leach and/or vat leach facilities:

- Upon discontinuation of use of heap leach or vat leach facilities, the lessee to appropriately flush each facility to ensure the absence of free cyanide within the facility.

| 4. CLOSURE OUTCOMES, COMMITMENTS AND IMPLEMENTATION  |  |
|--|--|
| <p>4.3 Describe any modified or additional rehabilitation and closure commitments; or any objections you have to the above conditions.</p> <ul style="list-style-type: none"> <li>No changes or modifications to the current approval mine closure commitments are required for the Proposal.</li> <li>At the time of this submission, a review of the Wonmunna Mine Closure Plan (REGID 53252) was being undertaken to address identified technical gaps, with submission of the revised MCP (Revision 4) scheduled for submission by 30 April 2021.</li> </ul> |  |
| 4.4 Confirm that you will keep records, documents or other evidence to demonstrate that the above commitments have been met.   | <p><b>Yes</b></p> <p><input checked="" type="checkbox"/></p> |
| 4.5 Confirm that you will provide evidence to DMIRS to demonstrate the completion of these commitments at the end of operations.   | <p><b>Yes</b></p> <p><input checked="" type="checkbox"/></p> |

## 5. CLOSURE MONITORING AND MANAGEMENT

### 5.1 Describe the rehabilitation monitoring that will be undertaken to demonstrate you have met the closure commitments in section 4:1<sup>10</sup>.

Rehabilitation monitoring for the Proposal will be undertaken to demonstrate that the completion criteria for the OHP domain is either trending towards or has been achieved. Rehabilitation monitoring will commence as soon as all rehabilitation works for the OHP domain has been completed.

Monitoring will be undertaken to assess the following:

- Physical stability and erosion of rehabilitated areas
- Biological structure (coverage, diversity and health) of vegetation communities in rehabilitated areas
- Priority flora and fauna habitats and communities
- Weed & Fauna monitoring
- Groundwater
- Heritage sites & public safety aspects
- The requirements for maintenance and remedial works.

Monitoring programs for rehabilitation and post-closure stages for the Proposal will be conducted in accordance with MRL's Environmental Management System (EMS), as well as the relevant supporting studies undertaken to support the rehabilitation process e.g. rehabilitation trials.

The monitoring programs will be comprised of the following components:

- General site inspections, including general overview of the Proposal area, status of rehabilitation and assessment of presence of weeds and/or feral species
- Utilising appropriate monitoring techniques, or elements of such techniques, including vegetation and visual monitoring, and/or suitable alternatives such as remote sensing techniques in assessment of erosion and rehabilitation success
- Surveying
- Identification of any safety and access issues and ensuring that all warning signs and safety barriers are intact at identified locations within the Proposal Disturbance Envelope.

Analogue sites for the OHP domain will be selected with attributes similar to the expected rehabilitated areas, i.e. slope angle, topsoil cover and vegetation community.

During the post closure monitoring period, if monitoring indicates that the completion criteria are unlikely to be met, MRL will determine and implement appropriate remediation actions until further monitoring demonstrates a trend towards achieving defined completion criteria.

Consistent with MRL's other operations, both on-ground and remote sensing methodologies are expected to be utilised to determine rehabilitation performance. It is also noted that additional audits and monitoring may be required following corrective action, where completion criteria are not being met as planned. At that time, the MCP will be reviewed at a minimum every three years and will include monitoring and assessment of progress, corrective actions for failures, consideration of risks and stakeholder input.

Maintenance of areas within the OHP domain may be required prior to the sign-off of rehabilitation areas and relinquishment within that domain. MRL has made provision for maintenance programs for the Project including:

- Drainage system maintenance/ Erosion control activities/ Road maintenance activities.

### 5.2 How often will this monitoring be conducted (e.g. annually)? Annually

<sup>10</sup> Monitoring is required to demonstrate the advancement towards, and achievement of, the closure outcomes and commitments for the site through the implementation of rehabilitation activities and closure commitments. An appropriate monitoring program would also include records of mining areas before disturbance, or appropriate analogue sites, that may be used as reference points in monitoring the progress of rehabilitated areas towards achieving closure outcomes. It is expected that the Annual Environmental Report will include an update on the progress towards meeting those outcomes and that the monitoring results provided will serve to demonstrate these outcomes.