



Application for Works Approval Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Works Approval Number	W6816/2023/1
Works Approval Holder	Mt Weld Mining Pty Limited
ACN	053 160 400
File Number	DER2023/000295
Premises	Mt Weld Rare Earths Project Elora Road LAVERTON WA 6440 Legal description - Mining leases M38/58, M38/59, M38/326, M38/327, G38/34 and G38/35. As defined by the Premises maps attached to the Revised Works Approval
Date of Report	28 August 2024
Decision	Revised works approval granted

MANAGER, PROCESS INDUSTRIES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Works Approval W6816/2023/1 is held by Mt Weld Mining Pty Limited (Works Approval Holder) for the Mt Weld Rare Earths Project (the Premises), located at Mining leases M38/58, M38/59, M38/326, M38/327, G38/34 and G38/35 Laverton Western Australia.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the construction and operation of the Premises. As a result of this assessment, Revised Works Approval W6816/2023/1 has been granted.

The Revised Works Approval issued as a result of this amendment consolidates and supersedes the existing Works Approval previously granted in relation to the Premises. The Revised Works Approval has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Premises summary

Mt Weld Mining Pty Limited (the Works Approval Holder) currently operate the Mt Weld Rare Earths Project (premises) located 35 km south-east of Laverton. The premises has an existing licence L8141/2007/2 and has the capacity to process 300,000 tonnes of high-grade weathered zone and limonitic ironstone (CZLI) ore per year to produce rare earth concentrate. Waste from ore processing is disposed of to a tailings storage facility (TSF) comprising TSF1, TSF2 and TSF3. Tailings is currently deposited into TSF3 but the facility is expected to reach capacity in the near future.

The Works Approval Holder is proposing a site wide expansion to support an extension of operations at Mt Weld to a life of mine (LOM) extent. The LOM proposal will involve expanded ore processing infrastructure to increase the production capacity to 1.3 million tonnes per annum with commensurate increases of concentrate products, tailings outputs and ancillary infrastructure. The expansion will also include processing of an additional ore type; apatite ore. This has been assessed under a separate works approval W6753/2022/1 and is outside the scope of this assessment.

On 24 April 2023 the Works Approval Holder applied for a works approval to construct TSF4 to the west of the existing TSFs including associated infrastructure, expansion of the existing evaporation ponds, and a by-products landform and associated handling facility to facilitate the acceptance of storage of by-products generated from the associated Kalgoorlie Rare Earth Processing Facility, the works approval W6816/2023/1 was granted on 22 February 2024.

It should be noted that only part of TSF4 was proposed to be constructed initially due to conflicts with the approval granted under Part IV of the *Environmental Protection Act* (EP Act), however the risks associated with the TSF4 proposal in its entirety have been considered in works approval W6816/2013/1 assessment and discussed in sections 2.3.1, 2.4.1 and 5 of the works approval. The Ministerial Statement has now been amended as discussed in Section 2.4.

2.3 Application summary

On 24 May 2024, the Works Approval Holder submitted an application to the department to amend Works Approval W6816/2023/1 under section 59 and 59B of the EP Act.

The following amendments are being sought:

1. Increase the authorised disturbance area for tailings storage facility from 170 ha to 280 ha (approval under Attachment 1 of Ministerial Statement 1216).
2. Construction, commissioning and time-limited operations of TSF4 in its entirety including the addition of Cell 5, Cell 6, Cell 7 and Cell 8, as shown in Figure 1.
3. Change in the frequency of groundwater monitoring during commissioning from monthly for the first 12 months to quarterly to align with the existing licence condition requirements of L8141/2007/2.
4. Time limited operations to occur under this works approval for TSF4 to allow the deposition of tailings.
5. Allow process solids wastes which are a result of loss of containment from within the concentrator plant footprint to be discharged into TSF4. 'Nominal' amounts of solid waste from the concentrator is proposed to be discharged into TSF4. These wastes will be generated during a loss of containment from the containment from within the concentrator plant, such as through overtopping of primary containment onto unsealed ground. The wastes may comprise of spilt reagents, slurry of tailings from pipeline leaks. The solids waste generated would be reclaimed as part of the clean-up and remediation and is proposed to be sent to TSF4 as a suitable facility to store this type of material.
6. Update all of the Figures and maps in the existing works approval.

This amendment is limited only to changes to Category 5 activities from the Existing Works Approval.

Table 1 below outlines the proposed changes to the existing Works Approval

Table 1: Proposed design or throughput capacity changes

Category	Current design / throughput capacity	Proposed design /throughput capacity	Description of proposed amendment
5	1.15 million tonnes per annual period	No change.	Addition of Cells 5, 6, 7 & 8.



Figure 1: TSF4 Design

2.4 Part IV of the EP Act

Ministerial Statement (MS) 476 that was published on 26 May 1998 applies to the Premises and is for the mining and beneficiation of a rare earths deposit at Mt Weld.

The Works Approval Holder submitted a section 38 referral under Part IV of the EP Act on 17 August 2022, for a significant amendment to the proposal regulated under MS476 for the expansion of infrastructure and mining activities at the Mt Weld Rare Earth's Mine to its life-of-mine extent (proposed to be an additional 23 years). The proposed mine expansion involves an increase in the development envelope from 505 ha to 2802 ha and increased ore production to 1.3 Mtpa.

Environmental Protection Authority (EPA) Report 1752 was released on 9 November 2023. The proposal was approved by the Minister for Environment on 20 December 2023 by the issuing of MS 1216. As detailed in Section 2.3.1 of MS 1216, the approval only authorised the partial design extent of the proposed Tailings Storage Facility (TSF), limiting the total TSF footprint (both new and existing infrastructure) to 170 ha.

Following this decision, the Works Approval Holder sought an amendment to Ministerial Statement 1216 under Section 45C of the *Environmental Protection Act 1986* to include the full design extent of the TSF.

On 26 March 2024, MS 1216 was amended to include the expanded TSF footprint from 170 ha to 280 ha.

2.5 Mining proposal

The Department of Energy, Mines Industry Regulation and Safety (DEMIRS) has advised that matters relating to the stability and rehabilitation of TSF4, Evaporation Pond and by-products landforms will be regulated throughout the life of the project and considered as part of the final closure plan under the *Mining Act 1978* for the Mt Weld Rare Earths Project.

Geotechnical design and stability of the TSF, Evaporation Pond and by-products landform has been considered satisfactory through the DEMIRS assessment of the Project's mining proposal. No objections were raised regarding proposal to initially construct the northern cells only and commission Cells 1 and 2 noting that the proposed staging does not change the design, and therefore the risk, of the facility.

Concern was raised regarding the proposal to disposal of wash water generated from the washing of by-products rotainers to the TSF, noting that infrastructure used to transfer water may be used to transfer larger volumes of water than initially proposed which may impact the geotechnical stability of the TSF. To mitigate this risk, it was agreed that the volume of water allowed to be disposed of to the TSF should be limited under conditions of the works approval and licence.

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Works Approval Holder’s from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 2 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 2: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Laverton	>20km north northwest of the Premises
Mining accommodation camp (GSM Mining Company Pty Ltd – Granny Smith Mine)	>11 km west northwest of the Premises
Mt Margaret Aboriginal Community	>30 km west of the Premises
Environmental receptors	Distance from prescribed activity
<p>Groundwater</p> <ul style="list-style-type: none"> An unconfined superficial aquifer, of regional extent, formed within surface alluvium, located 20m below ground level; A confined/semi-confined weathered carbonatite aquifer, formed by the carbonatite regolith, located to the east of the TSF, located 35m below ground level; and <p>A confined/semi-confined regional weathered bedrock/fresh bedrock aquifer, located below the carbonatite aquifer.</p>	<p>Underlying the Premises - groundwater flow towards the open pit due to groundwater drawdown from mine dewatering. Historical flow south west towards Lake Carey.</p> <p>Livestock drinking water source - Carbonatite aquifer also used for mining processing purposes (Mt Weld and adjacent Granny Smith Gold Mine).</p> <p>Groundwater quality in the surficial aquifer is brackish (~2200 – 2500 mg/L) and circum-neutral (pH 6.98 – 7.32: recorded during 2017). Average values for the bedrock aquifer were given as 7.86 pH, salinity at 3275mg/L TDS) (URS 2014).</p> <p>WIN Site (David Well ID 120413421) ~4km south west of proposed TSF4. Use unknown.</p>
Surface water bodies (Lake Carey)	<p>~9km WSW of proposed TSF4 – large playa lake, generally dry most of the year although small pools persist at the lower elevations following rainfall runoff.</p> <p>Important breeding site for water birds at time of flooding. Habitat for aquatic invertebrate species including shrimp.</p>
Threatened/Priority Flora & Fauna	<p>None recorded. <i>Goodenia lyrata</i> previously (P3) recorded but area has since been cleared. Potential for <i>Goodenia lyrata</i> to occur following rainfall. known to occur within multiple bioregions.</p> <p>Long-tailed Dunnart (P4) recorded in the area although habitat restricted to 'stony rise' and 'rocky ridge and outcropping' habitats within L38/224 (situated west/NW of the TSF).</p> <p>Two bird species, Wood Sandpiper and Common Sandpiper, recorded in the area that are listed as migratory species under the EPBC Act.</p>
Cultural heritage sites	There are five Aboriginal Cultural Heritage places that intersect the proposed development (Figure 3).

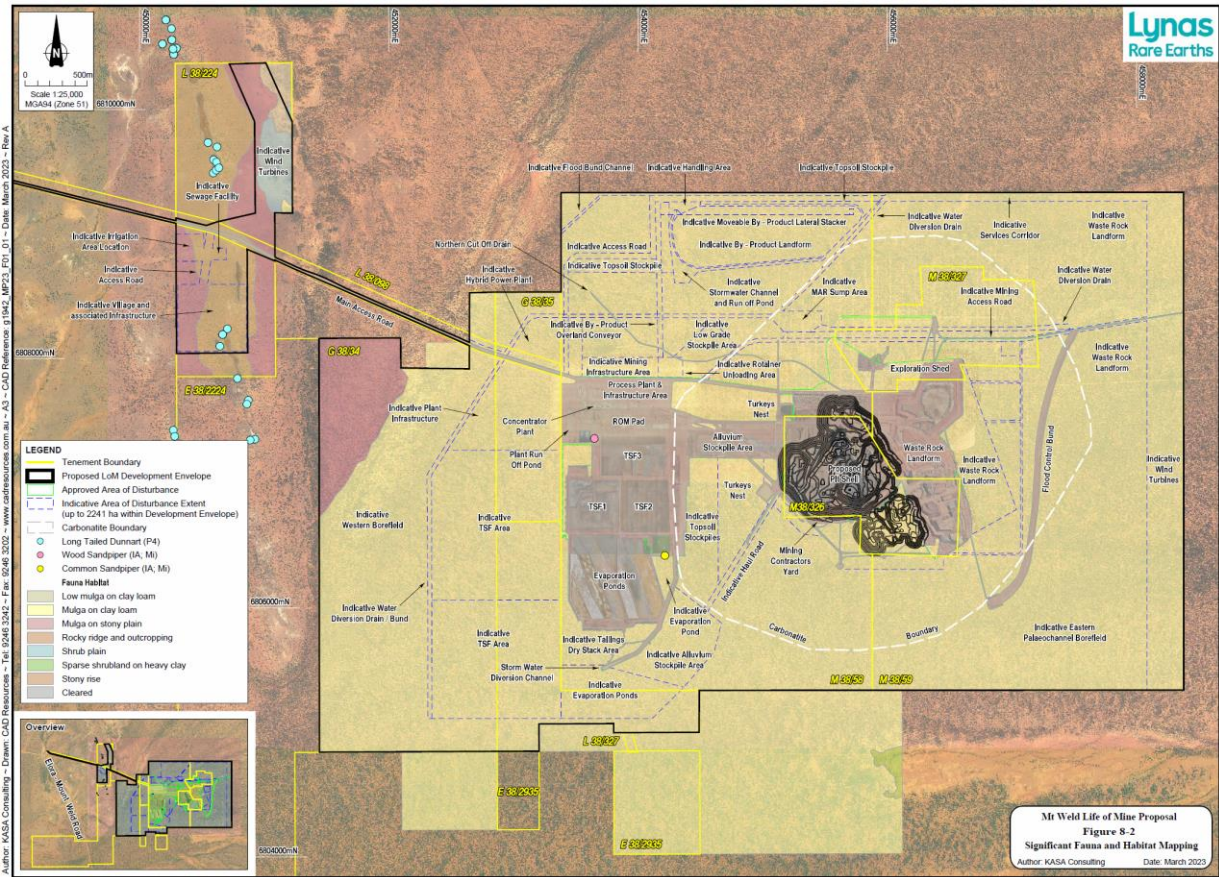


Figure 2: Recorded location of priority fauna species (KASA Consulting 2023)

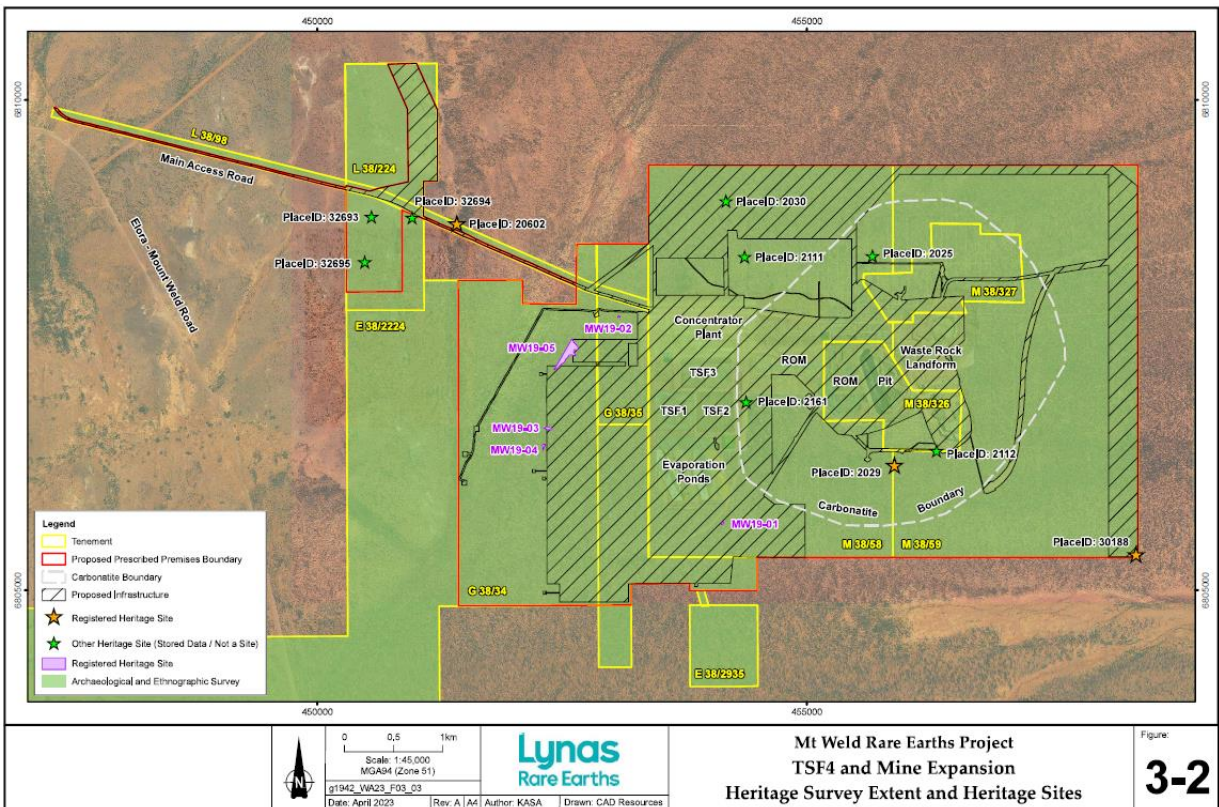


Figure 3: Location of aboriginal heritage sites (registered and other).

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Works Approval Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Works Approval Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

Additional regulatory controls may be imposed where the Works Approval Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

The Revised Works Approval W6818/2023/1 that accompanies this Amendment Report authorises construction and time-limited operations. The conditions in the Revised Works Approval have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the ongoing operation of the Premises. A risk assessment for the operational phase has been included in this Amendment Report, however licence conditions will not be finalised until the department assesses the licence application.

Table 3. Risk assessment of potential emissions and discharges from the Premises during construction, commissioning and operation

Risk events					Risk rating ¹	Reasoning	Regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood		
Construction							
Site preparation and clearing works. Construction of TSF, Evaporation Ponds and stormwater infrastructure. Earthworks and vehicles movements.	Dust	Air / windborne pathway causing impacts to health and amenity	Adjacent vegetation associations/ communities	Cleared areas will be limited during construction. Dust lift-off will be monitored during construction and dust suppression applied when dust lift-off observed. Regular dust suppression of roads and hardstand areas will be applied using water carts. Stripping and movement of topsoil not to be undertaken in windy conditions.	C = Slight L = Rare Low Risk	The Delegated Officer considers that the risk of dust emissions from construction activities has previously been assessed in the works approval and will be acceptably low and does not warrant additional specific regulatory controls for the additional Cells in TSF4. General provisions of the EP Act apply relating to causing pollution and environmental harm.	N/A
Operation (including commissioning and time-limited-operations operations)							
Handling, storage and disposal of tailings	Dust	Air/windborne pathway causing health impacts to nearby vegetation	Adjacent vegetation associations/ communities	Tailings has a high moisture content and therefore limited dust is expected. Maintain regular tailings deposition cycle of wet tailings. High-volume dust monitoring undertaken in accordance with the Radiation Management Plan.	C = Slight L = Rare Low Risk	The Delegated Officer considers that the risk of dust emissions from storage and handling of tailings has already been assessed in the works approval and will be acceptably low and does not warrant specific additional regulatory controls for the additional Cells in TSF4. General provisions of the EP Act apply relating to causing pollution and environmental harm.	N/A
	Loss of containment of from TSF: seepage	Infiltration to soils and groundwater causing contamination and groundwater mounding	Depth to groundwater ~15mbgl Groundwater used for livestock drinking water. Vegetation for grazing animals	Decant pond maintained as small as possible via decant pump. Mud-farming of tailings to encourage tailings consolidation. TSF inspected daily to identify seepage from embankments and determined decant pond size. TSF embankment foundations comprise of compacted clay over ferricrete hardpan achieving a low permeability of between 1×10^{-8} and 1×10^{-9} m/s. Groundwater monitoring network expanded to include TSF4. Network of standing and vibrating wire piezometers to be installed around the TSF perimeter. REO Flotation tailings contain low levels of radiation (slightly above radioactive threshold of 1Bq/g) and apatite streams are below the threshold. Daily inspections of TSF embankments. Vegetation health monitoring to continue in accordance with the Flora Management Plan. Staged commissioning (i.e. deposition of REO tailings to form a 1m low permeability layer) will occur. The perimeter embankments of adjoining cells will be installed prior to deposition to provide containment of lateral seepage within the TSF footprint.	C = Moderate L = Unlikely Medium Risk	Risks associated with seepage were assessed as part of the original works approval assessment, including for the full extent of TSF4. The inclusion of cells 5 – 8 as part of this amendment are therefore considered largely administrative. TSF4 will be constructed and commissioned in a progressive manner, with construction of the TSF4 northern cells commencing first. The works approval holder has proposed to adopt the same progressive construction and commissioning methodology for Cells 5 – 8 as is currently approved for Cells 1 – 4 in the existing works approval. Requirements for staged construction are specified on the conditions to ensure perimeter embankments and or containment bunds are constructed to contain any lateral seepage within the footprint of the TSF4 including Cells 5 - 8. With full construction of TSF4, including perimeter embankments, time limited operations can be authorised, noting that the results of leaching tests undertaken to date indicates that concentrations of metals and metalloids in leachate from the tailings streams are below the levels of concern for livestock drinking water. As detailed in the initial risk assessment however further testing is required to verify geochemical composition of tailings, and further leachate testing for apatite tailings is required. These leach tests are required to be undertaken via works approval W6753/2022/1 to verify potential risks associated with tailings leachate, including an assessment of Lanthanum in leachate. Noting that the results of this leach testing are not yet known, the works approval will not authorise the deposition of apatite tailings at this time. Following submission of the leach test results and assessment by the department, the works approval holder may seek an amendment for the works approval, or seek an amendment to premises licence to authorise the deposition of apatite tailings to the TSF. Further, the results of leach testing for REO tailings will inform the assessment of ongoing tailings deposition (beyond time limited operation) as part of future licence amendments.	Construction and limited commissioning authorised for Cells 1 – 8 Phase 1 only . Infrastructure specifications relating to embankment / foundation permeability for the entire footprint of TSF4 Cells 1 – 8 Phase 1 only . Time limited operations for Cells 1 – 8 (REO tailings disposal only to align with deposition to existing TSFs on the premises (as per Licence L8141/2007/2).
	Loss of containment of from TSF: Overtopping	Direct discharge/overland flow contaminating soils/infiltrating to groundwater Direct impact on vegetation health	Adjacent vegetation associations/ communities Depth to groundwater ~15 mbgl	Site wide stormwater management includes series of containment and diversion bunds to divert surface water flow away from site infrastructure. Diversion bunds north and east sides of the TSF divert surface flows around the TSF. Decant pond maintained as small as possible. Decant	C = Moderate L = Rare Medium Risk	The Delegated Officer considers that the design and operational controls proposed by the Works Approval Holder are acceptable for managing the risk of overtopping from the tailings facility and has applied these controls to the works approval. This works approval amendment authorises construction of Cells 1 – 8 Phase 1 and time limited operations for the deposition of tailings. A condition has been applied limiting the volume of tailings deposited	Infrastructure requirements have been specified relating to: <ul style="list-style-type: none"> Storage capacity; Stormwater diversion; Decant system. Tailings deposition during time limited

Risk events					Risk rating ¹	Reasoning	Regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood		
			Groundwater used for livestock drinking water.	<p>pump adequately sized (265 m³/hr).</p> <p>Tailings deposition reduced/ceased if water ponding against perimeter embankment.</p> <p>300mm freeboard maintained plus allowance for 1:1,000 year, 72 hour event.</p> <p>TSF inspected tailings for decant pond size and to ensure decant system operating effectively.</p>		<p>into Cells 1 to 8 which will reduce the risk of overtopping.</p> <p>As part of this amendment the Works Approval Holder has requested that 'nominal' amounts of solid waste from the concentrator is proposed to be discharged into TSF4. The Delegated Officer considers the existing controls for managing tailings to be suitable for managing the risk of this waste being discharged to TSF4.</p>	<p>operations for Cells 1 to 8 Phase 1.</p> <p>Daily inspections will be required during commissioning.</p> <p>Freeboard requirements have been applied.</p>
	Pipeline failure			<p>Inspected daily as part of routine inspection schedule.</p> <p>Tailings and decant pipelines shall be located within bunded corridors and be fitted with telemetry systems and pressure sensors to allow detection of leaks and failures.</p>	<p>C = Minor L = Unlikely</p> <p>Medium Risk</p>	<p>The Delegated Officer considers that the controls proposed by the Works Approval Holder are sufficient for managing the risk of pipeline failures or spills and has applied these controls to the works approval. There are no additional controls required for Cells 1 to 8.</p>	<p>Infrastructure requirement ensuring that pipelines are fitted with telemetry and situated within bunded corridors for the collection of spills.</p> <p>Requirements to conduct daily inspection of pipelines during commissioning.</p>
Disposal of plant/process solid wastes to TSF	Loss of containment of from processing plant: wastewater and solid waste			<p>TSF inspected daily to identify seepage from embankments and determined decant pond size.</p> <p>TSF embankment foundations comprise of compacted clay over ferricrete hardpan achieving a low permeability of between 1 x 10⁻⁸ and 1 x 10⁻⁹ m/s.</p> <p>Groundwater monitoring network expanded to include TSF4.</p>	<p>C = Minor L = Unlikely</p> <p>Medium Risk</p>	<p>The delegated officer considers that the material requiring disposal to the TSF will be largely consistent with the nature of tailings waste authorised for disposal to the TSF.</p>	<p>Process wastes for the concentrator plant included to works approval as authorised wastes for disposal.</p>

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk Assessments* (DWER 2020).

Note 2: Proposed applicant controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

Table 4: Consultation

Consultation method	Comments received	Department response
Works Approval Holder was provided with draft amendment on 9 August 2024	The Works Approval Holder responded on 27 August 2024, confirming that they were satisfied with the proposed changes and requested the amendment by granted as soon as possible.	Noted.

5. Conclusion

Based on the assessment in this Amendment Report, the delegated officer has determined that a Revised Works Approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

Phase 2 works

This amendment report has considered the risks associated with the construction, commissioning and time-limited operations for TSF4. This works approval authorises construction of Cells 1 – 8 of TSF4 Phase 1 only. Noting the proposed duration of works for Phase 1 and Phase 2, the delegated officer considers that the commencement for Phase 2 works are beyond the standard and accepted duration for works approvals, as per the departments published Regulatory Framework. The delegated officer has therefore only conditioned the construction of Phase 1 works, and recommends that the Works Approval Holder seek an amendment to Licence L8141/2007/2 at the appropriate time in the future for inclusion Phase 2 of TSF4 that includes the downstream embankment raise to 426.8 mRL.

Groundwater monitoring frequency

The delegated officer notes that as part of the amendment application, the works approval holder has requested a reduced groundwater monitoring program from monthly for the first 12 months, to quarterly to align with the existing controls of the premises licence. In considering this request, the delegated officer has noted the results of existing groundwater monitoring conducted at the premises under L8141/2007/2, the original risk assessment conducted for the works approval, and the additional leach testing still required to verify the geochemical composition of the tailings material for disposal. On the basis of this information, the delegated officer considers that while existing groundwater data does not indicate a significant concern associated with seepage from the existing TSFs there remains some uncertainty with regards to the performance of TSF4. Given this, the delegated officer considers that an initial period for monthly monitoring is required, however has determined that this can be reduced to a six-monthly period.

Works approval duration

The delegated officer notes that the works approval expires on the 25 November 2026, originally aligned to the expiry of the relevant Mining tenements. It is understood that these tenements remain active and the works approval holder is aware of the renewal requirements for these mining tenements. In order to reduce ongoing administrative burden, the delegated officer has extended the duration of the works approval to align with standard works approval duration. It remains the responsibility of the works approval holder to ensure they obtain all necessary approvals and tenure for the activities proposed.

5.1 Summary of amendments

Table 5 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Works Approval as part of the amendment process.

Table 5: Summary of works approval amendments

Condition no.	Proposed amendments
Date of Amendment	Changed from the date of issue to the amendment date.
Works approval history	This amendment has been included.
Table 1	Figure 13 has been amended to Figure 18 Groundwater monitoring locations.
Table 2	Figure 13 has been amended to Figure 18 Groundwater monitoring locations.
Condition 6, Table 3	<p>Stage 1 has been amended to Phase 1.</p> <ul style="list-style-type: none"> • 170ha has been replaced with 280ha TSF area. • Cells 5 to 8 have been added with Cell, capacity and crest elevation. • Stage 1A has been amended to Stage 1 (for Cell 2B) • Stage 1B has been amended to Stage 2 (for Cell 2A) • Stage 1C has been amended to Stage 3 (for Cell 1B) • Stage 1D has been amended to Stage 4 (for Cell 1A) • Stage 1E has been amended to Stage 5 (for Cell 4) • Stage 1F has been amended to Stage 6 (for Cell 3) • Stage 7 has been added (for Cell 6) • Stage 8 has been added (for Cell 5) • Stage 9 has been added (for Cell 8) • Stage 10 has been added (for Cell 7)
Condition 9	The wording commissioning of completed cells of TSF4 was included.
Condition 10, Table 4	Cell 5, 6, 7 and 8 were included in this condition.
Condition 11, Table 5	Cell 5, 6, 7 and 8 were included in this condition.
Condition 16, Table 7	Cell 5, 6, 7 and 8 were included in this condition.
Condition 21	TSF4 was included in time limited operations.
Condition 23, Table 8	<ul style="list-style-type: none"> • Operational requirements for TSF4 included in this table including operational freeboard heigh, deposition of REO tailings and concentrator wastes to TSF4. • Stage 1 was replaced by Phase 1
Condition 24, Table 9	Inspection requirements for TSF4 were included in this condition.
Condition 29 Table 10	Process monitoring for TSF4 were included in this condition including volume of tailings deposited into each cell.
Schedule 1 Maps	<ul style="list-style-type: none"> • Figure 1 was replaced with the new TSF4 design. • Figure 3 was replaced

	<ul style="list-style-type: none">• Figure 4 was replaced• Figure 5 was replaced• Figure 6 was replaced• Figure 7 was replaced• Figure 8 was replaced• Figure 9 was replaced• Figure 10 was replaced• Figure 11 was added for Cell 6• Figure 12 was added for Cell 7• Figure 13 was added for Cell 8• Figure 14 was added for Cell 8• Figure 15 Phase 1 wording was replaced with Phase 1
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6. References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY		
Application type		
Amendment to works approval	<input checked="" type="checkbox"/>	Current works approval number: W6816/2023/1
Date application received	24/05/2024	
Applicant and Premises details		
Applicant name/s (full legal name/s)	Mt Weld Rare Earths Project – Mt Weld Mining Pty Limited	
Premises name	Mt Weld Rare Earths Project	
Premises location	Tenements M38/58, M38/59, M38/326, M38/327, G38/34, G35/38, L38/224, L38/98	
Local Government Authority	Shire of Laverton	
Application documents		
HPCM file reference number:	DER2023/000295~3	
Key application documents (additional to application form):	Application supporting document.	
Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	<p>Works approval amendment</p> <p>Construction of tailings storage facility (TSF4).</p> <p>The applicant has applied to amend the Mt Weld tailings storage facility area (170 ha versus a full extend 280 ha) authorised under Part IV of EP Act, via Ministerial Statement 1216.</p>	
Category number/s (activities that cause the premises to become prescribed premises)		
Table 1: Prescribed premises categories		
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 5: Processing or beneficiation of metallic or non metallic ore	1.15 mtpa	No changes in throughput
Category 89: Putrescible landfill		
Legislative context and other approvals		
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input checked="" type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: 476 (Mt Weld) & 1181 (Kalgoorlie REPF) 1216 Mt Weld LOM – published 20 December 2023. Attachment 1 of MS 1216 issued on 26 March 2024 (expansion of TSF footprint 170 ha to 280 ha). EPA Report No: 84 (Mt Weld) & 1712 (Kalgoorlie REPF)

<p>Has the proposal been referred and/or assessed under the EPBC Act?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Reference No:</p> <p>Mt Weld has approval from the DCCEEW following referral from critical elements of LOM proposal under EPBC Act.</p> <p>The proposal was determined as Not a Controlled Action and allowed construction and operation of the northern portion of the TSF4 as well as ancillary support.</p> <p>Mt weld continues to engaged with DCCEEW with remaindered of the proposal. Ongoing discussions to determine the significance of potential Matters of National Environmental Significance (MNES) and whether these may trigger a determination by the Federal Minister for the Environment's Delegate to comprise a Controlled Action.</p>
<p>Has the applicant demonstrated occupancy (proof of occupier status)?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Certificate of title <input type="checkbox"/></p> <p>General lease <input type="checkbox"/> Expiry:</p> <p>Mining lease / tenement <input checked="" type="checkbox"/> Expiry: Various ranging from 2024 -2039.</p> <p>Other evidence <input type="checkbox"/> Expiry:</p>
<p>Has the applicant obtained all relevant planning approvals?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>	<p>Mining tenure – no planning approval required.</p>
<p>Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>CPS No: N/A</p> <p>Clearing has been assessed under Part IV of the EP Act.</p>
<p>Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Application reference No: N/A</p> <p>Licence/permit No: N/A</p>
<p>Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Application reference No:</p> <p>Licence/permit No: GWL171310(2)</p>
<p>Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Name: Goldfields Groundwater Areas</p> <p>Type: Proclaimed Groundwater Area</p> <p>Has Regulatory Services (Water) been consulted?</p> <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/></p> <p>No change to existing landuse</p>
<p>Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Nearest PDWSA 30km away (Laverton Water Reserve & Catchment Area Priority 1)</p>
<p>Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004</i>, <i>Environmental Protection (Controlled Waste) Regulations 2004</i>, <i>State Agreement Act xxxx</i>)</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Mining Act – DEMIRS consultation required.</p> <p>Radiation Safety Act</p>
<p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises subject to any EPP requirements?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>Classification: Awaiting classification</p>