Amendment Report

Application for Works Approval Amendment

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

Works Approval Number	W6369/2020/1
Works Approval Holder	Mt Weld Mining Pty Limited
ACN	053 160 400
File Number	DER2020/000102~1
Premises	Mt Weld Rare Earths Project Elora Road, Mining Tenement M38/58, LAVERTON WA 6440 As defined by the Premises maps attached to the Revised Works Approval
Date of Report	28/08/2023
Decision	Revised works approval granted

Christine Pustkuchen
Digitally signed by Christine Pustkuchen
Date: 2023.08.28 12:19:11 +08'00'

A/Manager, Resource Industries
Regulatory Services
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Works Approval W6369/2020/1 is held by Mt Weld Mining Pty Limited (Works Approval Holder) for the Mt Weld Rare Earths Project (the Premises), located at Mining Tenement M38/58, Laverton, WA, 6440.

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 W6369/202/1 has been granted.

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 Application summary

On 9 February 2023, the Works Approval Holder submitted an application to the department to amend Works Approval W6369/2020/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The works approval is to allow construction and commissioning of a rotary dryer to reduce the moisture content within rare earth concentrate produced at the premises. The following amendments to the works approval is being sought:

- Replacement of the rotary dryer feed chute with an enclosed loading system, internal equipment of the rotary drier and to add a baghouse with an additional discharge stack and replace the sealed transfer chute to the discharge conveyor.
- Extend the expiry date of the works approval to allow for the installation, commissioning and time limited operations of the new equipment.

The works approval W6369/2020/1 was previously amended in September 2022 to extend commissioning of the existing set up by 6 months.

The Works Approval Holder submitted an Environmental Compliance Report (ECR) to the Department on 13 June 2022. The Delegated Officer reviewed the ECR and noted the Works Approval Holder had constructed the infrastructure authorised under W6369/2020/1 (indirect fired rotary dryer and hydrocarbon storage facilities) in accordance with the conditions specified in the work approval.

The rotary drier equipment constructed and reported to the department as commencing commissioning on 1 February 2022 has not been found suitable for the process for which it was installed. It was intended to reduce moisture levels in the concentrate from 13%-19% to approximately 10% (DWER, 2020(b)). Due to the lack of a seal between the combustion chamber and the discharge chute, the dryer was discharging concentrate into the combustion chamber and engulfing the indirect burners. Accordingly, the concentrate dryer as installed under W6369/2020/1 has not been active since mid-October 2022 and commissioning of the original dryer cannot be completed. Proposed modifications and replacement infrastructure to establish a functional, optimised dryer are discussed in Section 2.3 below.

The new configuration will need to be included in condition 1, table 1 of the works approval and the reporting, commissioning and time limited operation periods reactivated and proceed as per the current works approval conditions. This requires the department to carry out a new environmental risk assessment, as per section 53, of the EP Act given the proposed

equipment is an alteration of a process and an addition of a discharge point.

As a result of the time taken to procure, install and commission the new equipment the expiry date of the works approval will need to also be extended. From the estimated timeframes provided by the Works Approval Holder the extension of the expiry date will be to 1 January 2026.

As a result of the new infrastructure to be added to condition 1 of the works approval W6369/2020/1 a new audit and ECR will need to be provided before commissioning of the new equipment and then time limited operations to be commenced after commissioning.

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

Table 1: Proposed design changes

Category	Current design capacity	Proposed design capacity	Description of proposed amendment
5	443,000 tonnes per year	443,000 tonnes per year	Condition 1, table 1 to be updated to replace current indirect fired rotary dryer infrastructure with the new dryer infrastructure and baghouse. Refer Section 2.3. Extend expiry date of works apporval to allow for the new infrastructure to be installed.

2.3 Replacement rotary drier and baghouse infrastructure

The current outer shell of the original dryer (Figure 1) will be retained including the foundations. The internal infrastructure will be replaced and the processes modified to improve performance and reduce emissions from this section of the overall Mt Weld processing plant.

The modifications to the dryer design and infrastructure (Figure 2) include the following:

- a new concentrate loading system.
- a new (2205 SS) heat exchanger tube;
- Separation of combustion and the concentrate loading/discharge chambers. These will be completely separated to reduce particle emissions and bogging of the combustion chamber.
- Installation of a bag house filter on the concentrate discharge and induced draught fan that will form a dedicated Dust Abatement System.
- An induced draught fan to pull steam released in dryer through heated baghouse filter to reduce particle emissions.
- A rotary valve to control the discharge of fine concentrate dust to the collection bin.
- The collection bin can be emptied into the dry concentrate shed.
- During times of dryer shut down the baghouse has a circulation fan and ducted electrical heater to prevent condensation.
- Starting of the Concentrate Dryer will be interlocked with the induced draught fan providing positive pressure in the discharge stack.

The existing self-bunded diesel storage tanks are in place to commission the dryer once

ready.

The operations of the Mt Weld processing plant as authorised under the licence L8141/2007/2 will not be affected by the works authorised under the amended works approval. Currently the concentrate produced on the premises is dewatered via a filter press and the filter press cake is then shipped offsite. The rotary drier is intended to dewater the filter press cake to reduce the weight of the concentrate thus reducing freight and downstream processing costs. This process will be included on the licence when the proposed rotary dryer and baghouse are commissioned and operating under limited time operations.

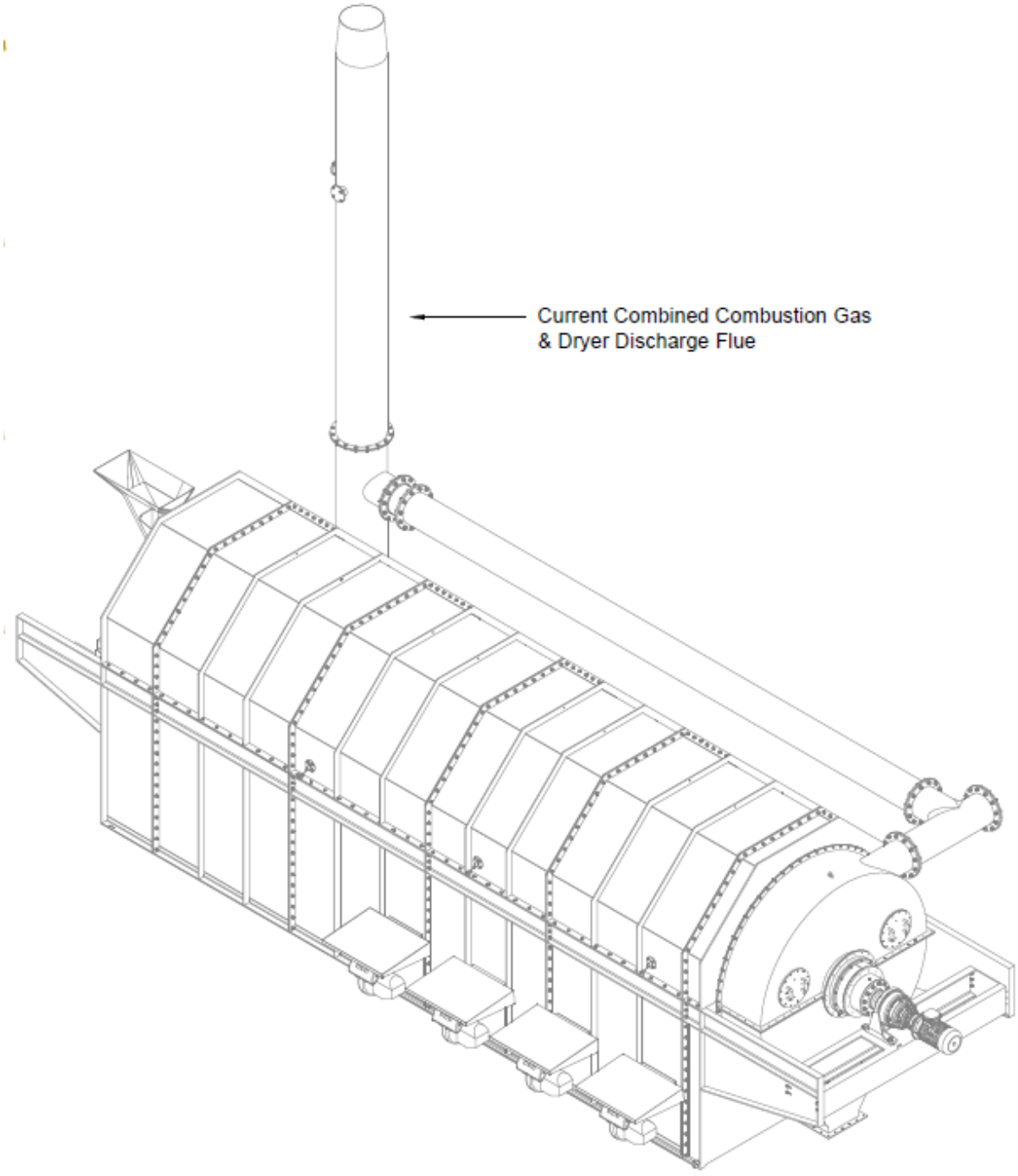

Figure 1: Current configuration of the drier and discharge stack

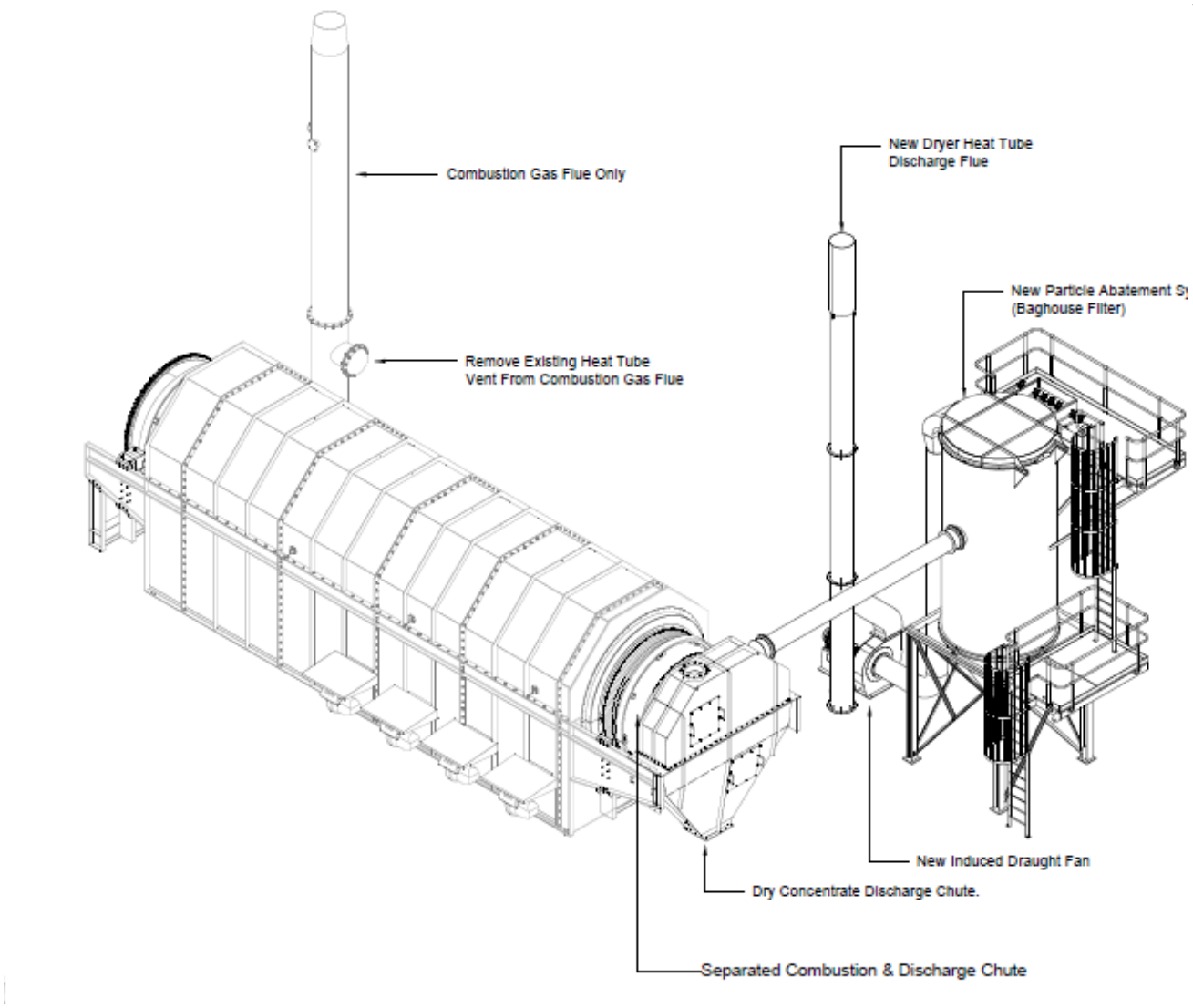

Figure 2: new configuration of rotary drier, baghouse, combustion gas flue and dryer heat tube/discharge flue

2.4 Part IV of the EP Act

The rare earths mining and beneficiation at Mt Weld, Laverton has been assessed under Part IV of the EP Act and is subject to conditions of Ministerial Statement 476 (as amended). The proposal was not referred to the Environmental Protection Authority when first applied for in 2020 as it is not considered a significant proposal. (DWER, 2020 (b)) The amendment of the works proposed does not elevate the proposal to be a significant proposal.

2.5 Radiation management

This section of the report is largely taken from DWER (2020 (b)) as there is no proposed change to the concentrate material to be processed in the newly configured dryer. The new infrastructure will not alter the potential radioactivity of the particulates but is expected to reduce the volume of particulates by the addition of the dedicated Dust Abatement System and therefore the potential exposure from this point source. The original controls for managing the risk from radiation across the premises by the applicant will be maintained. The monitoring of the particulates for radionuclides will remain on the works approval.

In Western Australia the primary legislation relating to radiation management is the *Radiation Safety Act 1975* and subsidiary legislation. In general, mining operations are mandated to comply with the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA), Code of Practice & Safety Guide for Radiation Protection and Radioactive Waste Management in Mining and Mineral Processing – Radiation Protection Series No. 9 (the Code).

Within the Code it is stated that the International Atomic Energy Agency (IAEA, RS-G-1.7) sets exclusion levels for naturally occurring radioactivity in bulk materials at 1 Becquerel per gram (Bq/g) head-of-chain activity for the uranium and thorium decay chain radionuclides. Transport of radioactive material in Western Australia is legislated by the *Radiation Safety (Transport of Radioactive Substances) Regulations 2002*, made under the *Radiation Safety Act 1975*.

Under the original assessment of this works approval (DWER, 2020(b)) the applicant advised that in assessing the significance of thorium emissions from the dryer, the NORM-6 Guideline (DMIRS Resources Safety, 2010) was adopted which recommends an operational control limit of 150g/day thorium (Th-232) for stack emissions.

Air emissions sampling and analysis, using a NATA accredited laboratory, was undertaken by the applicant to estimate potential emissions of radionuclides from the combustion stack and the main dryer stack (pilot plant). Based on the results, a conservative estimate of total thorium emissions (from main stack and combustion stack of proposed dryer) at proposed flow rates was undertaken by the Applicant. Data provided by the Applicant was reviewed by DMIRS. DMIRS have estimated that potential emissions of Th-232 will be 0.165 grams of Th-232 (combined figure from both stacks), 0.145 g/day from main stack and 0.020 g/day from combustion stack. The Applicant concurs with this assessment. These emissions are well within the NORM-6 Guideline.

The Applicant has also noted that the occupational dose from the dryer exhaust is only 1.2 mSv/yr based on the analysis results, relative to the radiation worker limit (20 mSv/year) as prescribed by the Radiation Safety (General) Regulations 1983 under the Radiation Safety Act 1975. The Applicant has advised that personal hygiene monitoring will be conducted as per a DMIRS approved Health and Hygiene Management Plan and Radiation Management Plan.

The Applicant has undertaken dryer stack air emissions testing on a pilot plant and provided analytical results for potential radionuclide concentrations likely to be emitted from the proposed dryer main stack and combustion stack. Advice was sought from DMIRS regarding

acceptability of data presented and interpretation of potential environmental and public health risks. See Table 3 in this report for further details.

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 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises construction and operation which have been considered in this Amendment Report are detailed in Table 2 below. Table 2 also details the proposed control measures the Works Approval Holder has proposed to assist in controlling these emissions, where necessary.

Table 2: Works Approval Holder controls

Emission	Sources	Potential pathways	Proposed controls
Construction			
Dust	Vehicle movements.	Air/windborne pathway	No specific controls were proposed. The construction is confined to alteration of infrastructure already installed in a hardstand so clearance or ground disturbance is not expected to occur.
Noise	Vehicle movements, construction noise due to metalwork etc..	Air/windborne pathway	No specific controls were proposed. The construction is confined to alteration of infrastructure already installed in a hardstand so clearance or ground disturbance is not expected to occur. No sensitive receptors are near to the premises.
Commissioning and Operation – unchanged from original assessment			
Combustion emissions from diesel fuel (SOx, NOx, CO and Particulates)	Dryer exhaust stack	Air/windborne pathway	Air emissions testing (main stack and combustion stack) [of the pilot dryer system] using a NATA accredited laboratory, was undertaken which confirmed that emissions will remain within the stack emission limits specified in New South Wales Protection of the Environment Operations (Clean Air) Regulation 2010. A commissioning monitoring program will be implemented for stack sampling.

Emission	Sources	Potential pathways	Proposed controls
Commissioning and Operation – alterations due to new equipment and operational configurations			
Fugitive dust	Loading concentrate into dryer	Air/windborne pathway	Filter cake being fed into the dryer feed bin will have approximately 17-18% moisture and is not expected to generate fugitive dust. A hood will be installed on the feed bin to minimize dust generation.
	Removal of concentrate from dryer	Air/windborne pathway	The concentrate dryer will discharge onto a covered conveyer which will discharge into the concentrate shed (a semi-enclosed area) to minimize dust generation. The transfer chute to the discharge conveyor will not be sealed as the previous design required. As part of the upgraded components including the transfer chute, the works approval holder conducted a review of the proposed controls and their reliability with regard to minimising particulate loss during operations. The conclusion was that the proposed system, which will utilise an enclosed conveyor or auger in series with the discharge chamber, will offer sufficient controls against excessive dust releases. The flange at the top of the discharge assembly, Figure 3, is the take-off to the baghouse. By inducing a negative pressure within the system to draw particulates upwards to the baghouse, this is expected to reliably prevent inadvertent loss of particulates to atmosphere. The commissioning phase will focus on optimizing the dryer operational characteristics to maximise granulation of the concentrate and limit the amount of dust generated.
	Other concentrate transfer points	Air/windborne pathway	Enclosed transfer points to minimize fugitive dust. Provision of spill containment for drier footprint. Maintaining housekeeping to minimize dust build up within the drier handling area.
Particulates (potentially containing radionuclides)	Dryer exhaust stack (dust emissions originating from within the dryer)	Air/windborne pathway	The new design of the dryer separates the exhaust streams completely so that the combustion stack stream is no longer combined with the dryer discharge stream. The separation of combustion and the concentrate loading/discharge chambers

Emission	Sources	Potential pathways	Proposed controls
			will reduce particle emissions and bogging of the combustion chamber. The addition of a baghouse on the dryer discharge stream and separate stack for the discharge from the baghouse allows for greater particulate removal prior to discharge. A sealed collection container will collect the dust removed by the baghouse for periodic emptying. Air emissions testing (main stack and combustion stack) [of the pilot dryer system] using a NATA accredited laboratory, was undertaken which confirmed that Thorium concentration will be within the DMIRS, NORM_6 Guideline 2010. A commissioning monitoring program will be implemented. Ground level exposure sampling monitoring for inhalable and respirable dust will be continued. Personal hygiene monitoring as per DMIRS approved 2019 Health and Hygiene Management Plan and 2017 Radiation Management Plan will be expanded to include additional samples for personnel working in Final Product Handling or Transport Operations. If dust monitoring indicates exceedance of occupational exposure limits then the following measures will be undertaken: ● Reduction of design concentrate feed from 30t/hr to a lower feed rate until exposure is under guidance limit; ● Increasing target concentrate moisture limit from 10% to increase moisture content which is under dust exposure levels; ● Operation of the dryer is expected to achieve the desired moisture content and granulation of product and limit particulate emissions via exhaust stack; ● Low gas velocities within the drier drum is expected to limit mobilisation of concentrate particulate dust via exhaust stack; ● The dryer will be inspected and monitored daily during operations to ensure performance in accordance with

Emission	Sources	Potential pathways	Proposed controls
			design specifications.
Hydrocarbons	Spills and leaks from storage and fuel transfer	Direct deposition to ground causing contamination of stormwater	Fuel storage has been constructed to meet *Australian Standard As1940-2004: The storage and handling of flammable and combustible liquids*. As a result of 2 incidents reported to the department there have been corrective actions with multiple tests of logic systems and high-level alarm triggers which have now been confirmed as being resolved. Other improvements have been made to verification processes during commissioning including scheduled inspections of equipment, as well as tracking of contractor performance. The drains in the plant footprint lead to the plant run off pond and do not enter the wider environment. Licence L8141/2007/2 condition 1.2.1 requires immediate recovery, removal and disposal of hydrocarbons outside an engineered containment system.
Spills of rare earth concentrate causing stormwater contamination	Rare earth concentrate transfer points	Direct discharge to land	Provision of spill containment for drier footprint. Maintaining housekeeping to minimize dust build up within the drier handling area. Existing surface water drainage channels to convey potentially contaminated runoff to the runoff pond for evaporation.

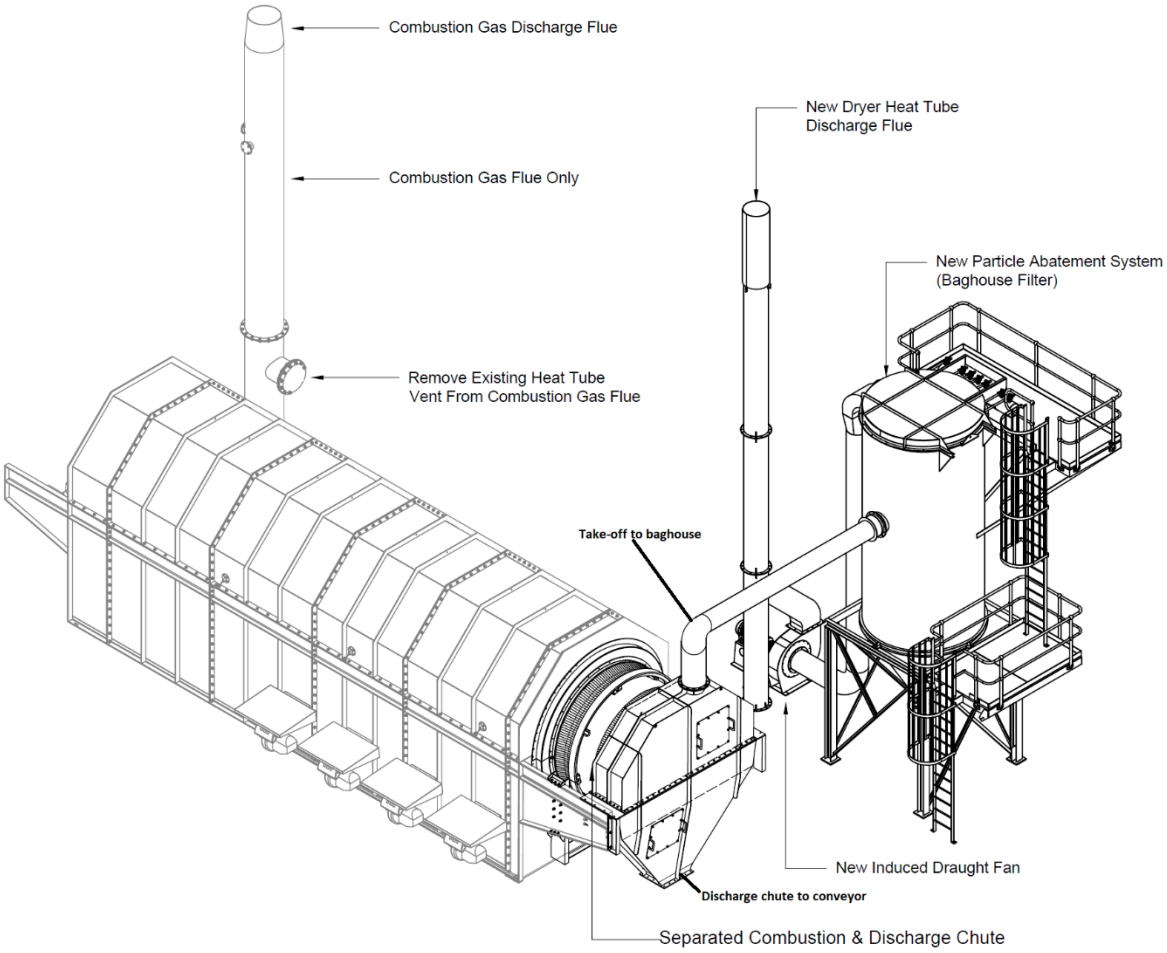

Figure 2: Dryer transfer chute

3.1.2 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 3 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 3: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	**Distance from activity / prescribed premises**
Mt Weld Pastoral Lease	The premises is situated on the Mt Weld pastoral lease, but no active homestead is apparent on the DWER's mapping system.
Environmental receptors	**Distance from activity / prescribed premises**
Native vegetation	Within 150m north of the dryer.

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 in-complete 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 4.

The Revised Works Approval W669/220/1 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 i.e. Category 5 activities. 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 4. Risk assessment of potential emissions and discharges from the Premises during construction, commissioning and operation

Risk Event					Risk rating[1] C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions[2] of works approval	Justification for additional regulatory controls
Source/Activities	**Potential emission**	**Potential pathways and impact**	**Receptors**	**Works Approval Holder's controls**				
Construction								
Placement of new dryer within already constructed housing and construction of the baghouse.	Dust Noise	Air/windborne pathway causing impacts to health and amenity	No sensitive receptors identified within 5km. Native vegetation occurs to the north of the processing plant.	Refer to Section 3.1	C = Slight L = Rare **Low Risk**	The Delegated Officer has determined that distance from receptors is sufficient to mitigate any potential amenity impacts during construction. Controls for dust from the removal of infrastructure containing concentrate was not discussed in the application however the hygiene management on the premises is expected to control this source of dust such that it will not impact sensitive receptors. No further risk assessment or regulatory controls required.		
Commissioning and operation								
Commissioning and operation of the rotary dryer: baghouse and new baghouse stack	Particulates	Air/windborne pathway causing impacts to health and amenity	No sensitive receptors identified within 5km. Native vegetation occurs to the north of the processing plant.	Refer to Section 3.1	C = Slight L = Unlikely **Low Risk**	Y	Commissioning: Condition 5, Table 2 and Condition 6, Table 3 (monitoring of stack) Condition 14, Table 4	The new configuration of the dryer and baghouse with separate stack to the fuel burning stack will reduce the risk of dust emissions from the stacks from what was found to be the case with the previous dryer configuration. The verification monitoring for the commissioning period for the previous configuration will be required for commissioning of the new infrastructure.
Commissioning and 0peration of the rotary dryer: Combustion gas flue	Organic fatty acid decomposition products/	Air/windborne pathway causing impacts to health	No sensitive receptors identified within 5km.	Refer to Section 3.1	C = Slight L = Rare	Y	Commissioning: Condition 5, Table 2 and Condition 6,	The risk of particulates from the stack is reduced now the exhaust stream from the dryer has been

Risk Event					Risk rating[1] C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions[2] of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
	VOCs	and amenity	Native vegetation occurs to the north of the processing plant.		**Low Risk**		Table 3 (monitoring of stack) and operation Condition 14, Table 4	removed from the combustion gas exhaust stream. The combustion gas exhaust factors of the stream are not expected to be altered from that previously assessed in this works approval. The verification monitoring for the commissioning period for the previous configuration will be required for commissioning of the new infrastructure.
Fugitive dust: Loading/ Unloading of materials/transfer points/storage	Particulates	Air/windborne pathway causing impacts to health and amenity	No sensitive receptors identified within 5km. Native vegetation occurs to the north of the processing plant.	Refer to Section 3.1	C = Slight L = Possible **Low Risk**	*Y*	Commissioning: Condition 5, Table 2 and operation Condition 14, Table 4	The transfer of concentrate from the dryer to the covered conveyor is will no longer be sealed but the positive drawing of air into the baghouse is expected to capture potential dust from this transfer point.
Diesel storage: Spills/ leaks	Hydrocarbon emissions	Direct discharge to land resulting in stormwater contamination	Soils in the local area, potentially contaminating stormwater flow.	Refer to Section 3.1	C= Minor L= Possible **Moderate Risk**	Y	No conditions required.	Further controls are not proposed in this amendment. Hydrocarbon storage is removed from Conditions 5, Table 2 and 14, Table 4 as spills and leaks may be managed under condition 1.2.1 of licence L8141/2007/2.

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

Note 2: Proposed Works Approval Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 5 provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
Works Approval Holder was provided with draft amendment on 8/08/2023	25/08/2023 Updated figure for decision report and corrected details for works approval provided.	Decision report and works approval updated with supplied details.

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.

5.1 Summary of amendments

Table 6 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 6: Summary of works approval amendments

Condition no.	Proposed amendments
Licence cover page	Expiry date of instrument changed to 01/01/2023.
1, Table 1	Inclusion of new infrastructure in construction design and installation requirements. Removal of installed hydrocarbon storage. Added reference to Figure 2.
5, Table 2	Inclusion of maintenance and operation requirements for the new infrastructure relevant to commissioning. Removal of installed hydrocarbon storage. Setting of commissioning period to 120 days
5, Table 3	Added reference to Figure 3
14, Table 4	Inclusion of maintenance and operation requirements for the new infrastructure relevant to time limited operations. Setting of time limited operations to commissioning period to 120 days
Schedule 1	Figure 2 added to show position of dryer. Figure 3 added to indicate the stacks for monitoring.

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 (a), *Guideline: Risk Assessments*, Perth, Western Australia.
4. DWER 2020 (b), *W6369/2020/1 Decision Report* published 29 October 2020, Perth, Western Australia
5. .Kasa Consulting 2020, *Proposed concentrate dryer: Works approval application supporting document*, Western Australia

Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)					
Application type					
Works approval	☐				
Licence	☐	Relevant works approval number:	Licence	☐	Relevant works approval number:
		Has the works approval been complied with?		Yes ☐ No ☐	
		Has time limited operations under the works approval demonstrated acceptable operations?		Yes ☐ No ☐ N/A ☐	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?		Yes ☐ No ☐	
		Date Report received:			
Renewal	☐	Current licence number:	Renewal		
Amendment to works approval	☒	Current works approval number:	Amendment to works approval		
Amendment to licence	☐	Current licence number:	Amendment to licence		
		Relevant works approval number:		N/A	Relevant works approval number:
Registration	☐	Current works approval number:	Registration	☐	Current works approval number:
Date application received		09/02/2023			
Applicant and Premises details					
Applicant name/s (full legal name/s)		Mt Weld Mining Pty Limited			
Premises name		Mt Weld Rare Earths Project			
Premises location		The premises boundary is defined by figures and map coordinates provided in Figure 1 of Licence L8141/2007/2.			
Local Government Authority		Shire of Laverton			
Application documents					
HPCM file reference number:		DER2020/000102~2			
Key application documents (additional to application form):		Response to request for further information			
Scope of application/assessment					

Summary of proposed activities or changes to existing operations.	**Works approval amendment** Construction/installation of replacement equipment and modification of processes and infrastructure of the indirect fired rotary dryer. Current dryer internal equipment to be replaced and a baghouse and discharge flue attached to the dryer as a dedicated dust abatement system. Commissioning and time limited operation of new equipment to be carried after installation.

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	443,000 tonnes per year	N/A

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 ☐ No ☒	Managed under Part V ☒ Assessed under Part IV ☒
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes ☒ No ☐	Ministerial statement No: 476 EPA Report No: 884
Has the proposal been referred and/or assessed under the EPBC Act?	Yes ☐ No ☒	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes ☐ No ☒	Minor amendment with no changes to premises or occupier.
Has the applicant obtained all relevant planning approvals?	Yes ☐ No ☐ N/A ☒	Approval: Expiry date: If N/A explain why? Mining tenement
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes ☒ No ☒	CPS No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes ☐ No ☒	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.

Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes ☐ No ☒	Application reference No: Licence/permit No: Licence / permit not required.
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes ☐ No ☒	Name: N/A Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes ☐ No ☐ N/A ☒ Regional office: N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes ☐ No ☒	Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes ☐ No ☐ N/A ☒
Is the Premises subject to any other Acts or subsidiary regulations (e.g. *Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx*)	Yes ☒ No ☐	Mt Weld is a Major Project with JTSI as Lead Agency. *Dangerous Goods Safety Act 2004* *Radiation Safety Act 1975* and subsidiary legislation
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes ☐ No ☒	
Is the Premises subject to any EPP requirements?	Yes ☐ No ☒	
Is the Premises a known or suspected contaminated site under the *Contaminated Sites Act 2003*?	Yes ☐ No ☒	