Table 1: General Proposal Content Description

Proposal Title:	Mt Weld Rare Earths Project – Life of Mine Proposal
Proponent Name:	Mt Weld Mining Pty Limited
Short Description:	Construction and Operation of a Rare Earths mine and processing plant to its Life of Mine extent.

Table 2: Proposal Content Elements

Element	Location / Description	Existing Proposal Extent, Capacity or Range	Proposed Amendment	Combined Extent, Capacity or Range
Physical Elements				
Development Envelope, comprising: • Mine Pit • Beneficiation Plant • Evaporation Ponds • Waste / Low Grade Ore Stockpiles • Waste Rock and By-product Landforms • Hybrid Power Station • Extended Borefield Network • Accommodation Village • Associated Infrastructure (water supply, roads, etc.)	Refer to Referral Supporting Document, Figure 1-1 and Figure 1-2.	Up to 429 ha of Disturbance within a Development Envelope of 505 ha.	Increase in Development Envelope extent to 2,802 ha. Increase in Area of Disturbance to no more than 2,241.6 ha (or no more than 80% of the proposed Development Envelope).	**2,241.6 ha** Area of Disturbance within a **2,802 ha** Development Envelope.
Tailings Dam Area	Refer to Referral Supporting Document, Figure 1-2 and Figure 2-2.	Tailings Storage Facility 67.3 ha Area of Disturbance within a 505 ha Development Envelope.	Increase in Tailings Storage Facilities area to 170 ha.	**170 ha** Area of Disturbance within a **2,802 ha** Development Envelope.

Element	Location / Description	Existing Proposal Extent, Capacity or Range	Proposed Amendment	Combined Extent, Capacity or Range
Operational Elements				
Ore Processing	Refer to Referral Supporting Document	Not specified in MS 476	Mt Weld processing (production capacity) – increase in ore processed.	Total production of 1.3 Mtpa[1]
Concentrate Production	Refer to Referral Supporting Document	Not specified in MS 476	Mt Weld concentrate (production capacity).	Total production of 300,000 Mtpa[1]
Tailings Deposition	Refer to Referral Supporting Document	Not specified in MS 476	Mt Weld tailings production increase.	Total tailings produced: 1.15 Mtpa[1]
Raffinate Evaporation	Refer to Referral Supporting Document	Not specified in MS 476	No change.	Raffinate directed to engineered evaporation ponds 1,200,000 m^3/yr
Groundwater Abstraction	Refer to Referral Supporting Document	Not specified in MS 476	Subject to further feasibility assessments and detailed design.	Subject to further feasibility assessments and detailed design[2].
Power Plant	Refer to Referral Supporting Document	Not specified in MS 476	New hybrid power station, including a solar array, battery storage and wind turbines, including an 11 kV distribution network.	22 MW of installed power supplied by a hybrid solar / wind power station with a thermal baseload supply.
Concentrate Transport	Refer to Referral Supporting Document	Not specified in MS 476	Increase in containers transport.	Total transport movements of 280 per week from Mt Weld to Leonora / Kalgoorlie REPF using Rotainers.

[1] Production rates and tailings deposition is currently regulated under DWER Licence L8141/2007/2 and Works Approval W6120/2018/1, and subject to pending licence amendment under Part V of the *Environmental Protection Act, 1986*.

[2] New / amended approvals to abstract water will be scoped and applied for in consultation with DWER, in accordance with existing Groundwater Licence GWL17130(3) and Groundwater Operating Strategy (GOS) under the *Rights in Water and Irrigation Act, 1914*.

Element	Location / Description	Existing Proposal Extent, Capacity or Range	Proposed Amendment	Combined Extent, Capacity or Range
Receival and storage of REPF By-product	Refer to Referral Supporting Document	Not specified in MS 476	Return of by-products from the Kalgoorlie REPF for long-term storage at Mt Weld.	Return of by-products from the Kalgoorlie REPF for long-term storage at Mt Weld.
Greenhouse Gas Emissions				
Total	**Scope 1:**	81,357 tCO_2-e/yr		
	Scope 2:	0 tCO_2-e/yr		
	Scope 3:	0 tCO_2-e/yr		
Decommissioning and Rehabilitation				
Decommissioning and rehabilitation, including a requirement to prepare and implement a Decommissioning and Rehabilitation Plan, will be regulated by the Department of Mines, Industry Regulation and Safety (DMIRS) under the approved Mine Closure Plan (MCP) and Radiation Management Plan (RMP). The MCP (v4, dated 30 March 2021) was accepted by DMIRS in July 2021. The RMP (v10, dated 5 November 2021) was approved by DMIRS on 21 March 2022.				
Elements which Affect Extent of Effects on Environment				
Proposal Timeline:	**Maximum Project Life:**	~30 years		
	Construction Phase:	~2 to 5 years for expansion		
	Operations Phase:	~23 years		
	Decommissioning Phase:	~2 years		