Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Ravensthorpe Nickel Project
Proponent name	FQM Australia Nickel Pty Ltd
Short description	The Ravensthorpe Nickel Project is located 35 km east of Ravensthorpe and involves the mining of nickel ore from three orebodies: Halleys, Hale-Bopp and Shoemaker Levy, and the processing of this ore into a nickel-cobalt hydroxide product for shipment via the Port of Esperance. Key components of the project include: • Transport of ore to Run-of-Mine pads via combination of haul roads and conveyors; • A process water supply and reject brine pipeline to the coast; and • Tailing storage facilities and evaporation ponds A crucial management strategy for the development of this project is the establishment of a *Kunzea similis* conservation area. As part of this proposal and area has been set aside from mining (refer to Figure 3) for the conservation in situ of sub-populations of *Kunzea similis*. Direct disturbance through mining activities will be excluded from this area (which includes a 50 metre buffer around the populations), and indirect impacts will be closely monitored and managed.

Table 2: Proposal content elements

Proposal element	Location / Description	Previous Authorised Extent	Proposed Extent Changes
Physical elements			
Tailings storage facility and evaporation ponds	Figure 1	Disturbance of no more than 830 ha within the 3,940.7 ha Southern Mines and Processing Development Envelope	No change
Sands reject storage facility	Figure 1	Disturbance of no more than 110 ha within the 3,940.7 ha Southern Mines and Processing Development Envelope	No change
Halleys and Hale Bopp pit, overburden storage areas and stockpiles.	Figure 2	Disturbance of no more than 909 ha within the 3,940.7 ha Southern Mines and Processing Development Envelope	Disturbance of no more than 909 ha within the **3,940.8 ha** Southern Mines and Processing Development Envelope

Processing and Infrastructure	Figure 1	Disturbance of no more than 169 ha within the 3,940.7 ha Southern Mines and Processing Development Envelope	Processing and Infrastructure
Access tracks and miscellaneous infrastructure within cleared farmland	Figure 1	Disturbance of no more than 119 ha within the 3,940.7 ha Southern Mines and Processing Development Envelope	No change
Topsoil stockpiles within cleared farmland	Figure 1	Disturbance of no more than 170 ha within the 3,940.7 ha Southern Mines and Processing Development Envelope	No change
Shoemaker-Levy pit overburden storage area and stockpile	Figure 1	Disturbance of no more than 915 ha within the 944 ha Shoemaker-Levy Development Envelope	No change
Limestone quarry area - Tamarine	Figure 3	Disturbance of no more than 67 ha within the 100 ha Limestone Quarry Development Envelope	Disturbance of no more than **143.7 ha** within the **171.8 ha** Limestone Quarry Development Envelope
Seawater intake and brine reject pipeline	Figure 1	Constructed within the 40.2 ha Seawater Pipeline and Intake Development Envelope	Constructed within the **60.5 ha** Seawater Pipeline and Intake Development Envelope
Access corridor	Figure 1	Disturbance of no more than 60 ha within the 210.6 ha Access Corridor Development Envelope	Disturbance of no more than 60 ha within the **212.2 ha** Access Corridor Development Envelope
Operational elements			
Maximum depth of mining	NA	No more than 60 meters (from the edge of pit)	No change
Operations water supply – raw water (average)	NA	Pumping of up to 30,000 kL of seawater per day	No change
Construction water supply	NA	Abstraction of up to 25,000 kL of groundwater	No change
Sulphur	NA	Up to 500,000 tonnes per annum (tpa) <1.8 kg SO_2 per tonne of acid produced	No change

Nickel production **Nominal** nickel production (contained nickel in a mixed nickel-cobalt hydroxide intermediate)	NA	Up to 50,000 tpa	No change
Transport rate to site	NA	On average 855,000 tpa	No change
Transport rate from the site (product)	NA	Up to 220,000 tpa	No change
Proposal elements with greenhouse gas emissions			
Operation elements:			
Scope 1	Fuel combustion, Carbonate Usage and Clearing of Vegetation – no more than 126,420 t CO2-e		
Rehabilitation			
The Proponent will develop and implement a Rehabilitation Plan which will be designed to rehabilitate disturbed areas to re-establish as close as reasonably practicable, similar vegetation as existed pre-mining, consistent with the defined post-mining land use objectives. *The Rehabilitation Plan will also outline that progressive rehabilitation will be undertaken where practicable over the life of the mine.*			
Decommissioning			
All structures not required to meet the post-mining land use objectives will be removed by the Proponent. *Groundwater monitoring bores will be maintained across the Development Envelopes to ensure continual environmental compliance through the decommissioning process.* *The remaining solid salt material in the evaporation pond will be capped as part of the decommissioning process.*			
Other elements which affect extent of effects on the environment			
Proposal time*	Maximum project life	Approx.2040	

** Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).*