



# MCARTHUR RIVER MINING PTY LTD

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## Multi-Year Monitoring Plan Application Summary

**FY2023 – FY2024**



Prepared November 2023

# 1 Multi Year Monitoring Application Summary

McArthur River Mining Pty Ltd (MRM) is applying for a multi-year monitoring (MYM) period for its greenhouse gas emissions under the Safeguard Mechanism (SGM) spanning from July 2022 to June 2024 (2 years). In FY2024, the second year covered by this MYM application, MRM will transition to the next stage of its mining program (L Stage).

L Stage is characterised by shorter haulage distances, the use of new haul trucks with increased load capacities, as well as better strip ratios decreasing the amount of overburden mined. Details on these changes, as well as the impact they are estimated to have in the FY2024 period, are outlined in the detailed plan.

In FY2024, 70% of mining activity will occur in the L Stage area, where haul distances are significantly lower than where the majority of mining occurred in FY2023. Overburden mining and handling at MRM is a significant source of diesel consumption. Whilst MRM is working to improve the carbon efficiency of its mining fleet, it is also actively targeting areas with less overburden to mine. These changes will decrease diesel combustion and therefore greenhouse gas emissions associated with mining.

In addition to L Stage mining, in 2024 MRM will introduce new mining fleet and equipment. This will reduce diesel combustion, as vehicles with an increased load capacity will have improved economies of scale. Increases in diesel combustion efficiency are also expected due to the newer models containing more efficient engines.

The current forecast estimates that emissions will be reduced to 96,359 tCO<sub>2</sub>e in FY2024. This is down from 111,755tCO<sub>2</sub>e reported in FY2023.

This forecast is based on MRM's Mine Plan, with calculations made by modelling haulage distance and total tonnes of materials hauled. Greenhouse gas emissions are then calculated from these diesel emissions using National Greenhouse Gas and Energy Reporting Methodology.