

27 July 2020

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Your Ref: SSD-7009

Lauren Evans

NSW Department of Planning, Industry and Environment
Energy, Resources & Compliance | Planning and Assessment
4 Parramatta Square, 12 Darcy St
Parramatta NSW 2150

Dear Lauren

MARULAN SOUTH LIMESTONE MINE CONTINUED OPERATIONS - SURFACE WATER ASSESSMENT

ERROR IN MARULAN CREEK DOWNSTREAM FLOW

As reported on 6 July 2020 Advisian found a model setup error in the Water Balance Model (GoldSim). This resulted in the incorrect reporting of the modelled downstream flow in Marulan Creek once the Marulan Creek Dam is operational. The correct average annual downstream flow is 865 ML/year compared to 829 ML/year reported in the Surface Water Assessment. This represents an increase of 36 ML/year, reducing the expected reduction in flow downstream of the dam from approximately 19% to 15%.

Advisian has reviewed the Surface Water Assessment. The only reference to this is in Section 8.2 / Page 104. The paragraph should read as follows:

*"The average annual flow downstream of the dam is expected to reduce from 1,023 ML/year under existing conditions to **865** ML/year during mine operation."*

The modelled downstream flow in Marulan Creek is not part of any other calculation and is not reported in any table or figure in the Surface Water Assessment.

Yours faithfully



Michael Butcher

Water Resources Engineer