



OUT21/9922

Rose-Anne Hawkeswood
Planning and Assessment Group
NSW Department of Planning, Industry and Environment

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Dear Ms Hawkeswood

**Sunrise Mine Modification 7 – Design Changes (DA374-11-00-Mod-7) –
Modification Report**

I refer to your email of 22 July 2021 to the Department of Planning, Industry and Environment (DPIE) Water and the Natural Resources Access Regulator (NRAR) about the above matter.

The modification proposal includes: cell construction sequence of tailing storage facility and addition of decant transfer pond; relocation and resizing of evaporation pond; and mining and waste rock emplacement sequence.

Our post approval recommendations regarding the Water Management Plan; water take and licencing; Water Sharing Plans; and Controlled Activities are provided in **Attachment A**. In particular, the proponent must accurately meter and monitor water take and ensure sufficient water entitlement is held in a water access licence/s to account for the maximum predicted take for each water source prior to take occurring.

Any further referrals to DPIE Water and NRAR can be sent by email to landuse.enquiries@dpie.nsw.gov.au. or to the following coordinating officer within DPIE Water:

Simon Francis – Senior Project Officer
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Yours sincerely

Liz Rogers
Manager, Assessments, Knowledge Division
Department of Planning, Industry and Environment: Water
9 September 2021

Attachment A

Detailed advice to DPIE Planning & Assessment regarding the Sunrise Mine Modification 7 – Design Changes (DA374-11-00-Mod-7) – Modification Report

DPIE Water and NRAR provide the following recommendations.

1.0 Water Take and Licencing

1. Post-approval Recommendations:

- a. The ability to accurately meter and monitor water take from surface and groundwater sources will need to be developed with ongoing review of actual versus modelled predictions. This will be a key component to confirm impact predictions, the adequacy of mitigating measures and compliance for water take.
- b. The proponent must report on water take at the site each year (direct and indirect) in the Annual Review. This is to include water take where a water licence is required and where an exemption applies. Where a water licence is required the water take needs to be reviewed against existing water licences.
- c. The proponent must ensure sufficient water entitlement is held in a water access licence/s to account for the maximum predicted take for each water source prior to take occurring.
- d. The proponent must ensure that relevant nomination of work dealing applications for Water Access Licences proposed to account for water take by the project have been completed prior to the water take occurring.

Explanation

Water demand for the project is predicted to have an average peak of 2670ML/yr and a maximum of 3804ML/yr. The ability to source this water is heavily reliant on external supplies, which includes a borefield in the Lachlan Alluvium where the proponent holds an entitlement already, and from the Lachlan regulated river water source where the proponent proposes to trade with existing license holders. The ability to obtain the full entitlement via pumping from the borefield is yet to be confirmed, hence remains a risk to the project. Access to the Lachlan regulated river water source will be subject to Available Water Determinations and willing sellers. Whilst the Lachlan regulated river water source has an active trading market, the availability during dry periods is more limited with a greater availability of High Security allocations. The proponent will need to actively review the availability of all water sources during the project, and seek alternatives if necessary to minimise the potential of shortfalls.

2.0 Other Recommendations - Water Management Plan, Sharing Plans and Controlled Activities

2. Post-approval Recommendations:

- a. The Water Management Plan should be updated to reflect the revised project layout and the proposed alterations to the water management system.
- b. The proponent must comply with the rules of the relevant water sharing plans.
- c. Works within waterfront land need to be in accordance with the Guidelines for Controlled Activities on Waterfront Land (NRAR 2018).

End Attachment A