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Senders ref: DA374-11-00-Mod7

Rose-Anne Hawkeswood
Team Leader
Energy Resource Assessment
Department of Planning, Industry & Environment
rose-anne.hawkeswood@planning.nsw.gov.au

Dear Rose-Anne

Sunrise Mod 7 Response to Submissions

Thank you for your request dated 6 October 2021 to the Biodiversity, Conservation and Science Directorate (BCS) requesting advice on the Response to Submissions for the Sunrise Project Modification 7.

BCS is satisfied that the alternative water pipeline alignment is wholly located within the approved surface development area therefore no further assessment is required.

In relation to the proposed expanded irrigation area, on 11 October 2021 Sunrise Energy Metals (SEM) provided BCS with further information regarding the expanded irrigation area, advising:

- The wastewater would be treated to a high level so that the treated wastewater would be “low strength effluent” as defined in the *Environmental Guidelines Use of Effluent by Irrigation*.
- The irrigation system design would evenly distribute the treated wastewater so as not to cause irrigation water runoff from the irrigation area or exceed the capacity of the soil in the irrigation area.
- The expanded irrigation area is only required for the limited period that the camp exceeds approximately 1,300 people, which is during the construction phase.
- No clearing (removal or thinning) of native vegetation would occur in the expanded footprint.
- Weed management would be conducted by target spot spraying, rather than broad scale spraying that would impact on native vegetation present across the irrigation area.

Based on the information provided in the RTS and the additional information provided by the proponent above, BCS is satisfied that a BDAR is not required for the expanded irrigation area.

BCS recommend that a condition be applied to limit irrigation of treated effluent to the expanded irrigation area to the construction phase only. This will ensure that potential indirect impacts to the regenerating native vegetation are minimised.

If you require any further information regarding this matter, please contact David Geering, Senior Conservation Planning Officer, via david.geering@environment.nsw.gov.au or 6883 5335.

Yours sincerely

A handwritten signature in cursive script that reads "Samantha Wynn".

Samantha Wynn
Senior Team Leader Planning North West
Biodiversity and Conservation Division

13 October 2021