

28 February 2024

Katrina O'Reilly
Department of Planning, Housing and Infrastructure
11 Farrer Place
PO Box 5475
Queanbeyan NSW 2620

Dear Ms O'Reilly

**Snowy 2.0 - Response to Department of Planning, Housing and Infrastructure
Notification Titled "Snowy 2.0 Main Works – CSSI 9687, Elevated Levels of nitrates and
nitrites – GF01"**

Please find below Snowy Hydro response to the notification titled "Snowy 2.0 Main Works –
CSSI 9687, Elevated Levels of nitrates and nitrites – GF01".

In this notification, NSW Planning, Housing and Infrastructure (DPHI) requested Snowy
Hydro to provide the following information:

1. Evidence that the Spoil Management Plan (and other relevant management plans) have been reviewed and revised in accordance with Schedule 4 Condition 20 of the Approval: and
2. In according with section 3.4 of the S2-FGJV-ENV-PLN-0019 dated September 2022 – Appendix G – GF01 Emplacement Area, Snowy Hydro are to provide evidence that the Plan has been reviewed in consultation with relevant agencies at the required 6-month intervals.

Please see the information below as evidence of the above items 1 and 2:

1. Since the commencement of Construction in October 2020 Snowy Hydro has facilitated regular joint agency site inspections every 4 to 6 weeks, including the review and discussion of spoil emplacement areas at all sites. Any concerns and



actions raised during site meetings have generally been addressed and closed out in a timely manner.

2. During the next update of the main Spoil Management Plan (SMP) there will be a commitment to include a review of the SMP within three months of a significant incident with revisions included in an agreed-upon time frame once suitable outcomes have been identified.
3. Regarding the site specific investigations of the GF01 spoil emplacement area there has been comprehensive reviews undertaken since June 2023. Four independent consultant reports were initially provided to the NSW EPA on 27 October 2023 and 30 November 2023. Subsequent further investigations at GF01, Lick Hole Gully and Main Yard were carried out based on the recommendation from the initial report. The updated report was received on 16 Feb 2024 and is under review by FGJV. The results and findings will be utilised to inform the next update of the SMP.
4. Based on the review of the current management plans, Snowy Hydro has identified the potential need for a Nitrogen Management Plan for the project site. The proposed Nitrogen Management Plan Table of Contents has been developed and is under review by the internal teams and has been provided to the NSW EPA for comment.
5. Laboratory testing of spoil has included nutrient analysis on a regular basis since November 2023. Prior to this, it was occurring during Excavated Natural Material (ENM) re-use testing and during the investigation. Spoil Inspection Test Plan has been revised and is being finalised to include and reflect the required nutrient testing.
6. The spoil permit process and documentation will be reviewed and revised to include Nitrogen treatment once the appropriate treatment is identified.
7. The following site specific Spoil Leachate Detection Procedures have been developed and updated for each emplacement areas:

Emplacement areas	Version and update records
GF01	A. 07.07.2022 – Developed to fulfill the requirement for a describe the leachate detection program at GF01 B. 14.07.2022 – Updated as per SHL comments C. 22.08.2022 – Updated to incorporate EPA comments D. 21.12.2023 – Updated to incorporate EPA comments on Marica, Main Yard, and Rock Forest LDPs where appropriate and to include additional groundwater bores
Main Yard	A. 20.09.2022 - Developed to fulfil the requirement for a describe the leachate detection program at the Lobs Hole Main Yard PSE B. 29.09.2022 - Revised to incorporate SHL comments C. 11.11.2022 - Revised to incorporate EPA comments D. 03.04.2023 - Updated to include EPA comments E. 21.12.2023 - Updated to include additional groundwater bores and EPA comments
Marica	A. 12.09.2022 - Developed to fulfil the requirement for a describe the leachate detection program for the Marica temporary spoil emplacement area B. 19.12.2022 - Revised to incorporate EPA comments from other LDPs C. 03.04.2023 - Updated to include EPA comments D. 28.07.2023 - Updated to include EPA comments E. 03.01.2024 - Updated to incorporate EPA comments and additional monitoring locations
Tantangara	A. 22.08.2022 - Developed to fulfil the requirement for a describe the leachate detection program at Tantangara B. 05.09.2022 - Updated in accordance with EPA comments C. 22.12.2023 - Updated to incorporate EPA comments and additional monitoring locations
Rock Forest	A. 18.10.2022 - Developed to fulfil the requirement for a describe the leachate detection program for the Rock Forest PSE B. 19.12.2022 - Updated to include leachate basins C. 31.03.2023 - Updated to include EPA comments
Ravine Bay	A. 22.12.2023 - Developed to fulfil the requirement for a describe the leachate detection program at the Ravine Bay PSE B. 15.02.2024 - Revised to incorporate SHL comments

8. The Ravine Bay Appendices for the Spoil Management Plan have been developed and reviewed based on the learnings from GF01. The version and updated description are provided below:

- A. 13.01.2022 - Initial draft for Snowy Hydro review
- B. 10.11.2022 - Updated to reflect consultation with NPWS, EPA, DPE and Snowy Hydro on the approved Tantangara and GF01 PSE Management Plans
- C. 13.02.2023 - Updated to reflect Snowy Hydro comments and revised design and construction methodology

- D. 12.04.2023 - Updated to reflect the detailed design
- E. 06.11.2023 - Updated in response to DPE, EPA and NPWS comments
- F. 06.12.2023 - Updated in response to DPE, EPA and NPWS meeting & design optimisation
- G. 19.01.2024 - Updated in response to DPE, EPA and NPWS comments on Rev E

In conclusion, Snowy Hydro has presented an overview of updates to documents related to spoil management and the current status of documents under development for the NSW Planning's consideration as evidence to meet approval conditions.

If you require any further information, please contact me on the details below.

Kind Regards,

DocuSigned by:
Chris Buscall
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Chris Buscall
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