

EGL Ref: 9015

Oceana Gold (New Zealand) Limited
PO Box 190
Waihi

19 February 2025

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Attention: Euan Leslie

Oceana Gold (New Zealand) Limited
Peer Review of Gladstone Open Pit TSF Resource Consent Technical Report

As requested, EGL (Engineering Geology Limited) has undertaken peer review of the work by GHD on developing a design for the Gladstone Open Pit (GOP) TSF. The GOP TSF is one of the facilities for storing tailings that are part of the resource consent application for the Waihi North Project. The peer review was at the request of Oceana Gold (New Zealand) Limited (OGNZL), with the intention of EGL presenting the evidence for GOP TSF as part of the tailings storage aspects of the resource consent application. This letter briefly summarises the peer review work undertaken for OGNZL.

Work by GHD on the design of the GOP TSF commenced in 2021 with a pre-feasibility study followed by issue of a Basis of Design report and then a final report that was produced in 2022. The design concept is to store tailings in the GOP after mining is completed. GOP will be mined as part of Waihi North Project. The pit will be lined with a geomembrane and an underdrainage system to limit seepage into the surrounding environment. The underdrainage system will also function to manage groundwater inflows prior to the deposition of tailings. Partial backfilling of the GOP is required to provide a smooth surface on which the liner is placed. In 2024 the report was updated to account for changes in the Mine Plan.

The various reports produced by GHD and that have been reviewed by EGL are summarised in Table 1. This includes the pre-feasibility report prepared by GHD in 2021 which covered design concepts, technical issues and an assessment of the feasibility of using the GOP as a TSF. The basis of design report produced in 2021 summarises the assumptions made in progressing the design of the GOP TSF. The Design Reports present the assumptions, documentation of various design aspects, and include comments on construction and operation, maintenance and surveillance. EGL has reviewed the reports summarised in Table 1, provided comments and held discussions with GHD as work on the GOP TSF has progressed. The final report produced by GHD and listed in Table 2 is dated 17 February 2025 (OGNZL reference WAI-985-000-LC-0010_Rev B). EGL is satisfied that the information presented in this report covers the relevant items for resource application. reports.

We recommend the report is also subject to legal and internal OGNZL review.

Full detailed design is required before construction is undertaken and we recommend the detailed design is also peer reviewed.

Your sincerely

Engineering Geology Limited



Trevor Matuschka
EGL Director
CPEng

Table 1: Documents Reviewed

Item	OGNZL Doc. ID	GHD ID	Date	Title
1	-	12537997 – Rev A	11 June 2021	Gladstone Pit TSF - Consent Technical Report – Basis of Design - Oceana Gold Ltd - 11 June 2021
2	WAI-985-000-REP-LC-0010_Rev B	-	15 October 2021	Gladstone Pit TSF - Design Report – Oceana Gold New Zealand Ltd
3	WAI-985-000-REP-LC-0010_Rev C	-	18 November 2021	Gladstone Pit TSF - Design Report – Oceana Gold New Zealand Ltd - 18 November 2021
4	WAI-985-000-REP-LC-0010_Rev D	-	07 December 2021	Gladstone Pit TSF - Design Report – Oceana Gold New Zealand Ltd - 07 December 2021
5	WAI-985-000-REP-LC-0010_Rev 0		17 June 2022	Gladstone Pit TSF - Design Report – Oceana Gold New Zealand Ltd - 17 June 2022
6		12537997-Rev B	30 September 2024	Gladstone Pit TSF - Design Report – Oceana Gold (New Zealand) Ltd – 30 September 2024
7	WAI-985-000-LC-0010_Rev B	12537997-Rev B	27 January 2025	Gladstone Pit TSF - Design Report – Oceana Gold New Zealand Ltd – 27 January 2025

Table 2: Final document

Item	OGNZL Doc. ID	GHD ID	Date	Title
8	WAI-985-000-LC-0010_Rev B	12537997-Rev B	17 February 2025	Gladstone Pit TSF - Design Report – Oceana Gold New Zealand Ltd – 17 February 2025