

OCEANAGOLD (NEW ZEALAND) LIMITED

MACRAES PHASE FOUR (MP4)

**Geoenvironmental Hazards and Water
Quality Estimates of Waste Rock Stacks
and Pit Lakes**

Evidence of **Dr Paul Weber** Regarding
Technical Assessment of Geochemistry
Effects and Proposed Conditions

7 September 2026

INTRODUCTION

1. My name is Dr Paul Weber
2. My role in relation to Macraes Phase 4 (“**MP4**”) has been to provide expert advice in relation to Geoenvironmental Hazards and Water Quality Estimates of Waste Rock Stacks and Pit Lakes. I either wrote or oversaw the compilation of the Environmental Geochemistry Overview Report that contains numerous technical reports attached as appendices (“**the Report**”), which is provided within *Part B – Technical Reports* of the application. I confirm that where I was in more of an overseer capacity, I agree with the findings and opinions and adopt them as my own.
3. This evidence has been prepared to accompany the Report and the application by Oceana Gold (New Zealand) Limited (“**OGNZL**”) for approvals required for MP4 under the Fast-track Approvals Act 2024 (“**FTAA**”).
4. Section 4.1(h) of the FTAA Panel Conveners’ Practice and Procedure note (July 2025) says all technical experts authoring reports should include a statement regarding compliance with the Code of Conduct for Expert Witnesses. This evidence has been prepared to fulfil this requirement, and if a hearing is not held, this evidence confirms that, relative to my area of expertise the Report provides an appropriate description of the relevant environment, the proposed activities comprising the effects of the MP4 on that environment, and the way those effects are proposed to be managed.
5. My findings are set out in full in the Environmental Geochemistry Overview Report included within *Part B – Technical Reports* of the application.
6. While this application is not being considered by the Environment Court, I confirm that I have read the Code of Conduct for expert witnesses contained in the Environment Court of New Zealand Practice Note 2023 and that I have complied with it when preparing the Report. Other than when I state I am relying on the advice of another person, the Report is within my area of expertise. I have not omitted to consider material facts known to me that might alter or detract from the opinions that I express.

QUALIFICATIONS AND EXPERIENCE

7. I have over 25 years’ experience in the field of environmental geochemistry. I hold a B.Sc. in geology and a M.Sc. (Hons) in environmental science from the University of Canterbury. I have a Ph.D. in applied science from the University of South Australia on prediction of acid and metalliferous drainage (AMD) and I am a Fellow of the Australian Institute of Mining and Metallurgy having chartered professional status for the environment discipline.

8. I am currently employed as the Principal Environmental Geochemist and the Managing Director for Mine Waste Management Limited (**MWM**) and have held that position since 2019.
9. MWM is part of the Green Road group of companies (~50 employees) that provides practical, innovative, and sustainable solutions to the international resources industry. I am a co-founder of the Green Road group of companies. Prior to this role I worked at O’Kane Consultants Limited for ~5 years as a Director for New Zealand and as a Principal Environmental Geochemist. Both companies provide advice on AMD and closure planning for mining operations. I have also worked as the R&D Manager – Environment for Solid Energy (NZ) Limited for ~9 years investigating beneficial reuse of waste streams and options to manage and treat AMD at its coal mining operations. Additionally, I worked in the Western Australian mining industry for 5 years as a geologist/environmental geologist and understand the process of mining.
10. My previous work experience includes research and operational management of AMD. I have worked with mining companies to deliver sustainable management approaches for AMD over this time. I have been engaged by several international companies and regulators (e.g., West Coast Regional Council, Waikato Regional Council; NSW Department of Planning, Housing and Infrastructure), as a subject matter expert, to review mine closure plans regarding AMD and the assessment of environmental effects (AEE) associated with AMD.
11. In providing this evidence, I have considered the following matters as relevant to that topic:
 - (a) The project description provided by OGNZL as set out in Section 6 of the Substantive Application prepared by Mitchell Daysh Limited;
 - (b) The description of the existing environment as set out in Section 4 of the Substantive Application, the effects of MP4 on that environment and their significance, and the proposals to manage those effects as all set out in the assessment of effects in Section 9 of the Substantive Application; and
 - (c) The technical assessments of:
 - a. Viridis, 2026. Recommended Surface Water Quality Compliance Framework. Document No: 10023-010-5 dated 3 September 2026.
 - b. GHD, 2026. Macraes Phase Four – Surface Water and Groundwater Assessment. 12682240-REP-REV0, dated 2 September 2026.

and

- (d) Data and reports relating to previous studies that were undertaken for the Macraes Operation by MWM.

CONFIRMATION OF CONTENTS OF REPORT AND PROPOSED CONDITIONS

12. I confirm that in my opinion the Report contains an accurate and appropriate description of the environment, the actual and potential effects of MP4, and the recommended actions to manage those effects within my area of expertise.
13. I confirm that in my opinion the contents of the Report may be relied on in making a decision on the approvals sought for MP4, and confirm that provided effects within my area of expertise are managed as proposed in the application those effects will not be unacceptable and will be managed to a standard that I consider meets good practice.
14. I confirm that I have reviewed the conditions that OGNZL proposes for the various approvals being sought as they relate to my area of expertise. I confirm that in my opinion those proposed conditions are appropriate.



Dr Paul Weber

Dated this 7 day of September 2026