



GeoSolve Ref: 230447
28 June 2023

Consents Section
Environment Southland
Private Bag 90116
Invercargill 9840

Capil Grove Limited, 444 Springhill Tussock Creek Road – Construction of New Effluent Storage Facilities

GeoSolve Ltd have been engaged by Civil Tech Ltd to review the design and specification for the proposed construction of a new effluent pond and sludge bed at the above site.

Note that we have not visited the site and assume that the ponds have been sited away from any site-specific hazards.

We have reviewed the following documents prepared by Civil Tech Limited:

- Capil Grove Ltd - Effluent Pond Drawings reference 1242 - C01(D), C02 (B), C03 (B) and C04 (C).
- Capil Grove Ltd – Specification for earthworks construction for collected agricultural effluent storage and sludge ponds.
- Test Pit logs and location plan.

It is my opinion that the proposed effluent pond has been designed in accordance with IPENZ Practice Note 21 (PN21) for dairy effluent ponds, and that the pond as designed will comply with the Regional Plan Rules regarding effluent ponds, and the Environment Southland Code of Practice.

It is important that construction of the pond is overseen by the designer.

This report has been prepared for the benefit of Civil Tech Ltd with respect to the particular brief given to us and it may not be relied upon in other contexts or for any other purpose without our prior review and agreement.

Yours faithfully,



Colin Macdiarmid
Senior Geotechnical Engineer
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