

TECHNICAL NOTE

CLIENT:	Vineway Ltd
PROJECT NUMBER:	241104
PROJECT:	Delmore WWTP
SUBJECT:	Review of proposed discharge Conditions 14 and 15

1. TECHNICAL REVIEW

1.1 FINDINGS

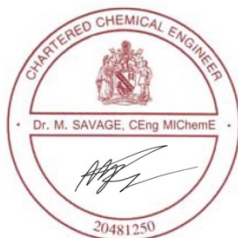
Apex Water has reviewed the WWTP Ltd memorandum, Memorandum on Comments on Proposed Resource Consent Conditions for Delmore WWTP, dated 21 July 2026.

Calculation errors. Dr. Matt Savage, on behalf of Apex Water, concurs that the 12-month median daily equivalent tables in proposed wastewater discharge Conditions 14 and 15 contain mathematical errors. The Condition 14 table is based on a daily flow of 314 m³/d and the Condition 15 table on 38.5 m³/d. The corrected daily mass loadings identified in the WWTP Ltd memorandum are consistent with these flow bases and the treatment performance parameters used for the Delmore WWTP design.

Units. Separately, the units for the mass-loading parameters in both tables have been corrected from mg/L (concentration) to kg/d (daily mass load). This correctly describes the nutrient and contaminant discharge load from the proposed treatment plant.

1.2 CONCLUSION

With the calculation and unit corrections described above, proposed discharge Conditions 14 and 15 align with the Apex Water and Wastewater Design Report and match the treatment capability proposed for the Delmore WWTP.



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Principal Engineer