

NRC Discharge and Receiving Water Quality Test Results



FDE: XXXX

Sampling Date: XX/XX/XXXX

Determinands	Sample Number	Sample Number	Sample Number
Actual Sample Date XX/XX/XXXX	X Stream U/T @ FDE XXXX, 20m upstream of POD	POD @ FDE XXXX, in discharge drain	X Stream U/T @ FDE XXXX, 20m downstream of POD
DO g/m ³	4.7	1.1	4.1
DO% % Sat	47.3	11.2	40.9
FC CFU/100ml	330	1182	360
NH ₄ g/m ³ -N	0.180	4.600	0.830
PH	6.5	7	6.7
TEMP Deg.C	15.3	14.9	15.1

Methods used: Standard Methods for the Examination of Water and Waste Water. APHA, AWWA, WEF, 1998 20th edition

Abbreviations Used:

U/S = Upstream

POD = Point of Discharge (where treated effluent enters the receiving waters)

D/S = Downstream (this is the consent compliance site)

U/T = unnamed tributary

- DO** Is the concentration of dissolved oxygen measured in grams per cubic metre of water. Low concentrations (less than about 5.0 g/m³) will harm aquatic creatures.
- FC** The number of faecal coliform bacteria per 100 mL of water. The number indicates the degree of faecal contamination and the likely presence of other disease-causing bacteria. The current international guideline for stock drinking water quality is 100.
- NH₄** Ammonium-nitrogen measured in grams per cubic metre of water. It is a measure of the amount of ammonia present. Ammonia is very toxic to fish and other aquatic creatures. Levels above 1.8 g/m³ are dangerous.
- pH** A measure of acidity or alkalinity. Typically Northland freshwaters fall between 6 and 7.
- TEMP** Temperature in degrees Celsius