Table 2-1

Summary of Effluent Quality Requirements

Parameter	Nunavut Water Board[1]	Guidelines for Federal Establishments[2]	Wastewater Systems Effluent Regulations (draft)[3]
Biochemical Oxygen Demand (BOD)	100 mg/L	20 mg/L (5 day)	25 mg/L ($CBOD_5$)
Total Suspended Solids (TSS)	120 mg/L	25 mg/L	25 mg/L (unless caused by algae)
Fecal Coliforms	$1x10^6$/100 mL	400/100 mL (after disinfection)	
pH	Between 6 and 9	6 to 9	
Oil and Grease	No visible sheen	15 mg/L	
Chlorine Residual (where chlorine is used for disinfection)		0.50 mg/L after 30 minutes contact time 1.00 mg/L maximum	0.02 mg/L (total residual)
Phenols		20 µg/L	
Phosphorous (Total P)		1.0 mg/L (where phosphorous removal required)	
Temperature		Not to alter the ambient water temperature by more than 1ºC (at perimeter of mixing zone)	
Un-ionized ammonia (as nitrogen at 15 °C +/- 1°C)			1.25 mg/L

Notes:

1) Effluent quality limits are based on the maximum concentration of any grab sample and are consistent with the *Guidelines for the Discharge of Treated Municipal Wastewater in the Northwest Territories (1992)* for annual discharge into a marine fjord environment.
2) Full document name is *Guidelines for Effluent Quality and Wastewater Treatment at Federal Establishments*.
3) Where the annual average day flow is less than 17,500 m^3, effluent quality limits are based on quarterly averages. These draft regulations will not apply to facilities discharging less than 10 m^3/day.