STATEMENT OF WATER QUALITY OBJECTIVES (NORTH WESTERN SUPPLEMENTARY WATER CONTROL ZONE)
- CHAPTER 358AZ

LONG TITLE
Empowering section VerDate:24/09/1999

(Cap 358, section 5)

[24 September 1999]

(L.N. 228 of 1999)

SECT 1
  VerDate:24/09/1999

The water quality objectives set out in column 1 of the Schedule are established for those parts of the North Western Supplementary Water Control Zone set opposite those water quality objectives in column 2 of the Schedule.

SECT 2
  VerDate:24/09/1999

In this Statement-
"Map" means the map marked NWSWCZ and described as "NORTH WESTERN SUPPLEMENTARY WATER CONTROL ZONE", signed by the Secretary for Planning, Environment and Lands on 3 September 1999 and deposited in the Land Registry at Victoria;
"Secondary Contact Recreation Subzone" means an area delineated as such on the Map.

SCHEDULE
SCHEDULE VerDate:24/09/1999

[section 1]

Water Quality Objective	Part or Parts of Zone
A. AESTHETIC APPEARANCE	
(a) Waste discharges should not cause any objectionable odour or discolouration of the water.	Whole zone
(b) Tarry residues, floating wood, articles made of glass, plastic, rubber or of any other substances should be absent.	Whole zone
(c) Mineral oil should not be visible on the surface. Surfactants should not give rise to a lasting foam.	Whole zone
(d) There should be no recognizable sewage-derived debris.	Whole zone
(e) Floating, submerged and semi-submerged objects of a size likely to interfere with the free movement of vessels, or cause damage to vessels, should be absent.	Whole zone

(f) Waste discharges should not cause the water to contain substances which settle to form objectionable deposits.

Whole zone

B.   BACTERIA

The level of Escherichia coli should not exceed 610 per 100 mL, calculated as the geometric mean of all samples collected in a calendar year.

Secondary Contact Recreation Subzones

C.   DISSOLVED OXYGEN

Waste discharges should not cause the level of dissolved oxygen to fall below 4 mg per litre for 90% of the sampling occasions during the whole year; values should be calculated as the water column average (arithmetic mean of at least 3 measurements at 1 m below surface, mid-depth and 1 m above seabed). In addition, the concentration of dissolved oxygen should not be less than 2 mg per litre within 2 m of the seabed for 90% of the sampling occasions during the whole year.

Whole zone

D.   pH

Waste discharges should not cause the natural pH range of the water to be extended by more than 0.2 unit. In addition, the pH of the water should be in the range of 6.5-8.5 units.

Whole zone

E.   TEMPERATURE

Waste discharges should not cause the natural daily temperature range to change by more than 2.00C.

Whole zone

F.   SALINITY

Waste discharges should not cause the natural ambient salinity level to change by more than 10%.

Whole zone

G.   SUSPENDED SOLIDS

Waste discharges should not cause the natural ambient level to be raised by more than 30% or give rise to accumulation of suspended solids which may adversely affect aquatic communities.

Whole zone

H.   AMMONIA

The un-ionized ammoniacal nitrogen level should not be more than 0.021 mg per litre, calculated as the annual average (arithmetic mean).

Whole zone

I.   NUTRIENTS

(a) Nutrients should not be present in quantities sufficient to cause excessive or nuisance growth of algae or other aquatic plants.

Whole zone

(b) Without limiting the generality of objective (a) above, the level of inorganic nitrogen should not exceed 0.5 mg per litre, expressed as annual water column average (arithmetic mean of at least 3 measurements at 1 m

below surface, mid-depth and 1 m above seabed). Whole zone

J.   TOXIC SUBSTANCES

(a) Toxic substances in the water should not attain such levels as to
produce significant toxic, carcinogenic, mutagenic or teratogenic effects
in humans, fish or any other aquatic organisms, with due regard to
biologically cumulative effects in food chains and to interactions of
toxic substances with each other.   Whole zone

(b) Human activity should not cause a risk to any beneficial use of the
aquatic environment.   Whole zone