



**STATEMENT OF APPROVED ACCEPTANCE CRITERIA
(CRITERIA FOR THE ADMISSION OF TRADE WASTES
INTO THE CORPORATION'S SEWERAGE SYSTEMS)**

COMMENCEMENT

- 1 This document comes into effect on the 1st day of December, 2011.

OBJECTIVE

- 2 The objective of this document is to make provisions for the admission to the Corporation's sewerage systems of trade waste, whilst providing protection to the Corporation's sewerage systems and treatment plants, and the environment into which the treatment plants effluents are discharged.

AUTHORISING PROVISION

- 3 This criterion is made pursuant to the Water Act 1989.

DEFINITION

- 4 Any word or phrase that is not defined by this criteria, but has a meaning given to it under the Water Act 1989, takes the meaning of such word or phrase under the Water Act, 1989.

For the purpose of these criteria, "trade waste" means any waterborne waste which complies with the characteristics detailed in this Criteria for discharge into the Corporation's sewerage system.

APPLICATION

- 5 The limits outlined in this document apply to all wastewater treatment plants and sewage collection areas within the control of Central Highlands Region Water Corporation.

Physical Characteristics

5.1 Temperature

The temperature shall not exceed 38 degrees Celsius.

5.2 Solids

- a) Gross solids shall pass a bar screen with 13 mm openings between the bars and gross solids shall have a quiescent settling velocity not greater than 3 m/hr;
- b) The suspended solids concentration shall not exceed 500 mg/L;
- c) The total dissolved solids concentration shall not exceed 1500mg/L or an Electrical Conductivity (EC) of 1500 μ S, and or;
- d) Where the Customer discharges trade waste into a sewage treatment plant involved with the irrigation of reclaimed water, then the characteristics of that trade waste must: -
 - Have a sodium concentration that does not exceed 200 mg/L or a total daily load of 100 kg/day,
 - Have a Sodium Absorption Ratio (SAR) of 5 or less, and
 - Have a chloride concentration that does not exceed 250 mg/L.
- e) No fibrous material which in the opinion of the Corporation is likely to cause obstructions in the sewer or drain shall be present.

5.3 Oils and Greases

- a) There shall be no free or floating layer;
- b) Oil and Grease shall not exceed a maximum of 100 mg/L.

5.4 Radioactivity

No radioactive waste shall be discharged to sewer.

Chemical Characteristics

5.5 pH Value

The pH value shall be within the range of 6.0 to 10.0.

5.6 Organic Strength

The total 5 – day Biochemical Oxygen Demand concentration shall not exceed 500 mg/L.

The soluble component of 5 –day Biochemical Oxygen Demand concentration shall not exceed 250 mg/L

The Chemical Oxygen Demand concentration shall not exceed 1500 mg/L.

5.7 Nitrogen

The concentration of:

- a) Total Nitrogen shall not exceed 150 mg/L.
- b) Ammonia, plus ammoniacal ion (expressed as N) shall not exceed 50 mg/L.

5.8 Corrosive and Toxic Substances

- a) The maximum allowable concentrations in milligrams per litre of corrosive and toxic substances shall be as stated in Table 2.

5.9 Metals

Table 1

Element	Maximum allowable load in grams per day	Maximum allowable concentrations milligrams per litre
Aluminium	2500	100
Beryllium	100	2
Boron as B	100	100
Cadmium	10	1
Chromium (Total)	2500	5
Cobalt	50	5
Copper	1000	2
Iron	10000	100
Lead	50	1
Manganese	100	4
Mercury	0.5	0.005
Molybdenum	250	2
Selenium	250	5
Silver	10	1
Nickel	10	1
Tin	7500	5
Zinc	7500	5
Total heavy metals (not including Iron)	7500	15

Table 2

Element	Maximum allowable concentrations milligrams per litre
Arsenic	1
Cyanide as CN	5
Fluoride	10
Formaldehyde (expressed as HCOH)	50
Phenol & chemical derivatives of Phenol (as Phenol)	5
Phosphorus as P	12
Total Oxidised Sulphur	200
Sulphide as S	1

No waste which the Authorised Officer deems may be toxic to any person, to sewage treatment process of the Corporation to the environment receiving treated effluent or may be harmful to the composition of the sewer or other equipment comprising the sewage system shall be discharged to a sewer or drain without the specific approval of the Authorised Officer.

5.10 Organic Compounds

Parameter	Maximum allowable concentrations milligrams per litre
Total Petroleum Hydrocarbons (C6-C9)	1
Total Petroleum Hydrocarbons >C9	30
Pesticides	Not Permitted
Halogenated Aliphatic Hydrocarbons	5
Polynuclear Aromatic Hydrocarbons	Not Permitted
Polychlorinated biphenyls (PCB's)	Not Permitted
Explosive Substances	Not Permitted
Ethylene Glycol	1000
Storm Water and uncontaminated run-off	Not Permitted

5.11 Head Space Air

The Occupier must not discharge trade waste to a sewer, which at the nearest point of the sewer accessible by humans from the point of discharge, in any respect fails to comply with every relevant Work Safe Australia Exposure Standard relating to short term exposure levels.

5.12 Other Substances

The Occupier may discharge trade waste containing any substance not otherwise mentioned in this Agreement in a concentration no greater than 1 ug/L.

TRADE WASTE

6 No person shall cause or permit to be discharged either directly or indirectly into any sewerage or drain of the Corporation, any trade waste unless:

- a) The person has entered into an Agreement with the Corporation for the discharge of such trade waste, and that person complies with the terms and conditions of the Agreement, which is made pursuant to any By-law, Act Regulation made in respect to; and,
- b) Such trade waste comes within the standards and levels as defined by this document; or,
- c) The person has received written permission from the Corporation or the authorised Officer of the Corporation enabling trade waste to be discharged into the Corporation's sewerage systems in excess of the maximum permissible levels as set out in this document and the person complies with the terms and conditions of such written permission.