



SBWWTP Acceptance Criteria for Waste Components

Waste Component	Criterion
Volume	Alarm limit 20KL/d
Alkali and alkaline earth metals (sodium, potassium, calcium, magnesium)	See total dissolved solids limits Calcium above 100mg/L should be addressed for scaling potential.
Aluminium	1. 100mg/L 2. Mass limit 0.5kg/d
Ammonia	1. 200mg/L as nitrogen when pH is less than 8 2. 50mg/L as nitrogen when pH is greater than 8 3. Mass limit 1kg/d
Biochemical oxygen demand (BOD5)	1. 3000mg/L 2. Mass limit 6kg/d
Boron	10mg/L
Bromine and iodine	Sum of bromine and iodine not to exceed 10mg/L
Chlorine	10mg/L as residual chlorine
Chemical oxygen demand (COD)	1. Maximum concentration 6000mg/L 2. Mass limit 12kg/d
Colour	No discharge shall be permitted which contains colour that would interfere with wastewater treatment or disposal
Cyanide	1. 3mg/L weak acid dissociable cyanide 2. Limits on dissociable cyanide may be varied depending on composition of waste 3. Mass load not to raise total cyanide level at inlet to WWTP by more than 0.01mg/L
Flammable Materials	Prohibited
Fluoride	10mg/L
Glutaraldehyde	1. 100mg/L 2. Mass limit 0.2kg/d
Heavy Metals	Refer to section 2
Iron	1. 100mg/L 2. Mass limit 1kg/d
Kjeldahl nitrogen	Mass limit 1kg/d
Oil and grease	1. No free or floating layers 2. No unstable emulsions 3. Not to exceed 100mg/L
Organic Compounds	1. Organic liquids immiscible with water will not be accepted 2. Limits for water-miscible compounds will be set on a case by case basis. Only dilute solutions that pose no threat to wastewater system will be accepted
pH	6-10
Phosphorus	Mass limit 0.5kg/d
Radioactive materials	Prohibited above safe limits prescribed by the radiological council of WA
Sulphate	Sum of Sulphate, sulphite and thiosulphate not to exceed 600mg/L as sulphur
Sulphide	5mg/L



SBWWTP Acceptance Criteria for Waste Components

Waste Component	Criterion
Suspended solids	1. No readily settleable solids which are likely to accumulate in the wastewater collection system 2. 1500mg/L 3. Mass limit 6kg/d
Temperature	Maximum 38 °C
Thiosulphate	Sum of Sulphate, sulphite and thiosulphate not to exceed 600mg/L as sulphur
Total dissolved solids (TDS)	1. Conductivity below 150mS/m is acceptable 2. Where conductivity is greater than 150mS/m or mass load of dissolved solids exceeds 50kg/d, acceptance will be determined on a case by case basis.
Total Petroleum Hydrocarbons (TPH)	10mg/L

Section 2

Acceptance Criteria for Heavy Metals

- Where the daily mass discharge is below the lower alarm limit specified in the table, no concentration limits shall apply.
- Where the daily mass discharged is above the lower limit specified in the table, the waste flow shall be treated prior to discharge to sewer to reduce the concentration of metal to not greater than specified in the table.
- Discharges where the daily mass load is greater than the upper alarm limit specified in the table shall generally not be accepted.
- For third party septage waste the limits are as per Concentration limit for daily mass load above the lower mass alarm limit mg/L.

Heavy Metals Table

Metal	Lower Mass Alarm Limit (g/d)	Concentration limit for daily mass load above the lower mass alarm limit (mg/L)	Upper mass alarm limit (g/d)
Arsenic	0.1	5	1
Cadmium	1	5	2
Chromium	10	10	25
Copper	10	5	20
Lead	10	10	30
Mercury	0.05	0.05	0.2
Molybdenum	1	10	2
Nickel	6	10	15
Selenium	1	5	2
Silver	2	5	5
Zinc	10	10	30