

APPENDIX 2

SEWER ADMISSION LIMITS

The upper limits for the quality of trade waste discharged to the sewer for all categories are set out below. These admission limits shall apply from 1st January 2004.

They are subject to periodic review.

1 GENERAL LIMITS

Parameter	Concentration mg/L except *
Temperature *	< 38°C
pH *	6 -10
BOD ₅ + COD + TOC + SS + TDS Where:- BOD ₅ = Biochemical Oxygen Demand COD = Chemical Oxygen Demand TOC = Total Organic Carbon SS = Suspended Solids TDS = Total Dissolved Solids	< 4000
Total oil/grease (freon extractable) Gross solids *	200 non faecal gross solids shall have a maximum linear dimension of less than 20mm and a quiescent settling rate of less than 3m/hr
Colour *	limited such as not to give any discernible colour in treatment works discharge.
Odour*	not detectable in 1% dilution or causing an odour problem in Council's sewerage system.
Chlorine (as CL ₂)	10
Sulphate (as SO ₄ -)#	2000
Sulphite (as SO ₂)	100
Surfactants - Anionic (MBAS)	500
Aluminium (as AL)#	100
Iron (as Fe)#	100
Ammonia plus ammonium ion (as NH ₃)#	100
Total Kjeldahl Nitrogen (as N)#	150
Phosphorus (Total P)#	50
Manganese (as Mn)	100
The total mass load and the capacity of the sewerage system to accept the load shall be considered for each application	
# Council may in some circumstances accept waste containing higher concentrations of these substances. Additional charges for treatment (Clause 7.6) will apply.	

II PROHIBITED DISCHARGES

- Flammable/explosive substances
- Radioactive substances except as allowed for under the Queensland Radioactive Substances Act.
- Pathological and infectious waste and Cytotoxic waste except as allowed for under the National Guidelines for the management of Clinical and Related Wastes, National Health and Medical Research Council, 1988.
- Genetically engineered organisms.
- Rainwater and uncontaminated water.

III SPECIFIC LIMITS - INORGANIC

Parameter	Concentration mg/L
Boron (B)	100
Bromine (Br ₂)	10
Fluoride (F ⁻)	30
Cyanide (CN ⁻)	5
Sulphide (S ⁻)	5

IV SPECIFIC LIMITS - METALS

Parameter	Maximum Concentration mg/L	Maximum Mass Load, g/day
Arsenic (As)	5	15
Cadmium (Cd)	2	6
Chromium(Cr) Total	20	75*
Hexavalent	10	
Cobalt (Co)	10	30
Copper (Cu)	10	75
Lead (Pb)	10	30
Manganese (Mn)	10	30
Mercury (Hg)	0.05	0.15
Nickel (Ni)	10	30
Selenium (Se)	5	15
Silver (Ag)	5	15
Tin (Sn)	10	30
Zinc (Zn)	10	75

The concentration values apply to dischargers having a daily mass load between the Lower Daily Mass Load (LDML) and Upper Daily Mass Load (UDML). For small dischargers with a daily mass load below the LDML, no concentration limits apply. Dischargers who exceed Council's UDML limits will be required to take measures to meet the UDML. This may involve treating to lower concentration than indicated above.

* For discharges below the lower daily mass load, Hexavalent Cr. must be reduced to Trivalent Cr.

V SPECIFIC LIMITS - ORGANIC

Council may request specific demonstrable evidence based on degradability and toxicity concerning substances listed below.

Parameter	Maximum Concentration mg/L
Formaldehyde (HCHO)	50
Phenolic compounds (as Phenol)	100
Pentachlorophenol	5
Petroleum hydrocarbons	30
Halogenated Aliphatic hydrocarbons	5
Halogenated Aromatic Hydrocarbons (HAH)	0.002
Polychlorinated biphenyls (PCB)	0.002
Polybrominated biphenyls (PBB)	0.002
Polynuclear Aromatic Hydrocarbons (PAH)	5
Pesticides: General (insecticides/herbicides/fungicides)**	1.0
Pesticides: Organophosphates	0.1
Azinphos-methyl	
Azinphos-ethyl, Coumaphos, Demeton, Dichlorvos, Dimethoate, Disulfoton, Fenitrothion	
Fenthion, Melathion, Methamidophos, Mevinphos, Omethoate, Oxydemeton-methyl	
Parathion, Triazophos, Trichlorfon	
Pesticides: Organochlorines	
Aldrin	0.001
Chlordane	0.006
DDT	0.003
Dieldrin	0.001
Heptachlor	0.003
Lindane	0.100
** This category covers all pesticides other than those specifically listed under organophosphate and organochlorine pesticides.	

VI Any substance not listed in the above tables is prohibited discharge and may not be discharged without prior approval of Council. Council may request specific demonstrable evidence based on degradability and toxicity for any substance when assessing acceptance to sewer.