

Appendix 1

Prohibited Discharge into sewers

<i>Section A: General</i>		Not less than	Not to exceed
1.	Temperature at point of entry	0 ^o C	40 ^o C
2.	Electrical Conductivity		500 mS/m
3.	pH Value at 25 ^o C	5.5	12.0
4.	Chemical Oxygen Demand		5 000 mg/l

<i>Section B: Chemical substances other than Heavy Metals - maximum concentrations</i>		
1.	Settleable Solids (60 minutes)	50 ml/l
2.	Suspended Solids	1000 mg/l
3.	Total dissolved solids at 105 ^o C	4000 mg/l
4.	Chloride as Cl	1500 mg/l
5.	Total sulphates as SO ₄	1500 mg/l
6.	Total phosphates as P	25 mg/l
7.	Total cyanides as CN	20 mg/l
8.	Total sulphides as S	50 mg/l
10.	Total phenols as C ₆ H ₅ OH	50 mg/l
11.	Total sugars and starches as glucose	1500 mg/l
12.	Oils, greases, waxes and fat	400 mg/l
13.	Sodium as Na	1000 mg/l

<i>Section C: Metals and inorganic content - maximum concentrations</i>		
Group 1		
1.	Iron as Fe	50 mg/l
2.	Chromium as Cr	10 mg/l
3.	Copper as Cu	20 mg/l
4.	Zinc as Zn	30 mg/l
<i>Total collective concentration of all metals in Group 1 shall not exceed 50 mg/l</i>		

Section C: Metals and inorganic content – maximum concentrations		
Group 2		
5	Arsenic as As	5 mg/l
6.	Boron as B	5 mg/l
7.	Lead as Pb	5 mg/l
8.	Selenium as Se	5 mg/l
9.	Mercury as Hg	5 mg/l
10.	Titanium as Ti	5 mg/l
11.	Cadmium as Cd	5 mg/l
12.	Nickel as Ni	5 mg/l
<i>Total collective concentration of all metals and inorganic constituents in Group 2 shall not exceed 20 mg/l</i>		

Section D: *Prohibited radio - active materials*

Any radio - active wastes or isotopes of such nature or in such concentration as do not meet the requirements laid down by the Council for Nuclear Safety referred to in Section 24 of the Nuclear Energy Act (Act 92 of 1982 as amended).