

Annex E4.3.1 Water Quality Parameters Regulated in Standard

ENCLOSURE II Sumsel Governor Decision

Number : 13, Year 2002

Date : March, 12 2002

RIVER WATER QUALITY
SUMATERA SELATAN PROVINCE

No	Parameter	Unit	Maximum Standard Classification			
			I	II	III	IV
PHYSICS						
1	Degree	°c	± 3 Deviation	± 3 Deviation	± 3 Deviation	± 3 Deviation
2	Total of Dissoluble Compact Substance	mg/l	1,000.00	1,000.00	1,000.00	1,000.00
3	Total of Suspensive Compact Substance	mg/l	50.00	50.00	400.00	400.00
CHEMISTRY						
A. UNORGANIC CHEMISTRY						
1	Mercury	mg/l	0.00	0.00	0.00	0.01
2	Amonia	mg/l	0.50	-	-	-
3	Arsenic	mg/l	0.05	1.00	1.00	1.00
4	Barium	mg/l	1.00	-	-	-
5	Iron	mg/l	0.30	-	-	-
6	Dfluoride	mg/l	0.50	1.50	0.50	-
7	Cadminium	mg/l	0.01	0.01	0.01	0.01
8	Chloride	mg/l	600.00	-	-	-
9	Boron	mg/l	1.00	1.00	1.00	1.00
10	Cobalt	mg/l	0.20	0.20	0.20	0.20
11	Cr ⁶⁺	mg/l	0.05	0.05	0.05	1.00
12	Manganase	mg/l	0.10	-	-	-
13	Na	%	-	-	-	6.00
14	Nitrate	mg/l	0.06	0.06	0.06	-
15	pH	mg/l	6.0 - 9.0	6.0 - 9.0	6.0 - 9.0	5.0 - 9.0
16	Celennium	mg/l	0.01	0.05	0.05	0.05
17	Zing	mg/l	0.05	0.05	0.05	2.00
18	Cianide	mg/l	0.02	0.02	0.02	-
19	Sulphur	mg/l	400.00	-	-	-
20	Sulfide, as H2S	mg/l	0.00	0.00	0.00	-
21	BOD	mg/l	2	3	6	12
22	COD	mg/l	10.00	25.00	50.00	100.00
23	DO	mg/l	6	4	3	0
24	Chlorine	mg/l	0.03	0.03	0.03	-
25	Posphate	mg/l	0.20	0.20	1.00	5.00
26	Copper	mg/l	0.02	0.02	0.02	0.20
27	Pb	mg/l	0.03	0.03	0.03	1.00
B. ORGANIC CHEMISTRY						
1	Aldrin and Dieldrin	ug/l	17.00	-	-	-
2	Chlordane (total isomer) 2,4 - D	ug/l	3.00	-	-	-
3	DDT	ug/l	2.00	2	2	2
4	BHC	ug/l	210.00	210	210	-
5	Detergent	ug/l	200.00	200	200	-
6	Phenol	ug/l	1.00	1	1	-
7	Heptachlor	ug/l	18.00	-	-	-
8	Lindane	ug/l	56.00	-	-	-
9	Methylchlor	ug/l	35.00	-	-	-
10	Oil and Savory	ug/l	1,000.00	1000	1000	-
11	Toxaphan	ug/l	5.00	-	-	-
C. MICROBIOLOGY						
1	Fecal Choliform	Total per 100 ml	100.00	1000	2000	2000
2	Total of Choliform	Total per 100 ml	1,000.00	5000	10000	10000
RADIOACTIVE						
1	Gross Alpha Active	Bq/l	0.1	0.1	0.1	0.1
2	Gross Beta Active	Bq/l	1	1	1	1

Note :

ug : Micro gram

mg : Milli gram

l : Liter

NTU : Nephelometric Turbidity Unit

ml : Milli Liter

Bq : Bequerel

TCU : True Color Units