

Zama operation center : Wastewater Quality(Water Pollution Control Law and other)

A)Harmful Substances

Substance	Legal Limits	Unit	FY2014 Measured Values			Remarks
			Max	Min	Average	
Cadmium (Cd)	0.1	mg/ l	<0.01	<0.01	<0.01	
Cyanide compounds (Cn)	1	mg/ l	<0.1	<0.1	<0.1	
Organic phosphorus compounds	1	mg/ l	<0.1	<0.1	<0.1	
Lead and its compounds (Pb)	0.1	mg/ l	<0.01	<0.01	<0.01	
Chromium (Cr <sup>6+</sup> )	0.5	mg/ l	<0.05	<0.05	<0.05	
Arsenic and its compounds (As)	0.1	mg/ l	<0.01	<0.01	<0.01	
Total mercury	0.0005	mg/ l	<0.0005	<0.0005	<0.0005	
Alkyl mercury compounds	Not detected	mg/ l	Not detected	Not detected	Not detected	
PCB	0.003	mg/ l	<0.0005	<0.0005	<0.0005	
Trichlorethylene	0.3	mg/ l	<0.03	<0.03	<0.03	
Tetrachloroethene	0.1	mg/ l	<0.01	<0.01	<0.01	
Dichloromethane	0.2	mg/ l	<0.02	<0.02	<0.02	
Carbon tetrachloride	0.02	mg/ l	<0.002	<0.002	<0.002	
1,2-Dichloro ethane	0.04	mg/ l	<0.004	<0.004	<0.004	
1,1-Dichloro ethylene	0.2	mg/ l	<0.02	<0.02	<0.02	
Cis-1,2-Dichloro ethylene	0.4	mg/ l	<0.04	<0.04	<0.04	
1,1,1-Trichloro ethane	3	mg/ l	<0.3	<0.3	<0.3	
1,1,2-Trichloro ethane	0.06	mg/ l	<0.006	<0.006	<0.006	
1,3-Dichloropropene	0.02	mg/ l	<0.002	<0.002	<0.002	
Thiram	0.06	mg/ l	<0.005	<0.005	<0.005	
Simazine	0.03	mg/ l	<0.003	<0.003	<0.003	
Thiobencarb	0.2	mg/ l	<0.02	<0.02	<0.02	
Benzene	0.1	mg/ l	<0.01	<0.01	<0.01	
Selenium and its compounds (Se)	0.1	mg/ l	<0.01	<0.01	<0.01	
Fluoride and its compounds	8	mg/ l	<0.5	<0.5	<0.5	
Boron and its compounds	10	mg/ l	<0.02	<0.02	<0.02	
1,4-Dioxane	0.5	mg/ l	<0.05	<0.05	<0.05	

B)Substance related to living environment

Substance	Legal Limits	Unit	FY2014 Measured Values			Remarks
			Max	Min	Average	
Hydrogen ion activity (pH)	5.8~8.6	mg/ l	7.3	6.8	7.03	
Biochemical Oxygen Demand (BOD)	60	mg/ l	4.0	0.5	2.21	
	Average/Day	mg/ l				
Chemical Oxygen Demand (COD)	60	mg/ l	4.6	0.6	2.56	
	Average/Day	mg/ l				
Suspended solids (SS)	90	mg/ l	1	1	1	
	Average/Day	mg/ l				
N-hexane extracts (mineral oil)	5	mg/ l	<1	<1	<1	
N-hexane extracts (animal & vegetable oil)		mg/ l				
Phenol	0.5	mg/ l	<0.05	<0.05	<0.05	
Copper (Cu)	3	mg/ l	<0.05	<0.05	<0.05	
Zinc (Zn)	3	mg/ l	0.2	0.2	0.2	
Dissolved iron (Fe)	10	mg/ l	0.05	<0.05	0.05	
Dissolved manganese (Mn)	1	mg/ l	<0.05	<0.05	<0.05	
Chromium (Cr)	2	mg/ l	<0.1	<0.1	<0.1	
Fluoride and its compounds (F)						
Number of coliform groups	3000	Qty/m <sup>3</sup>	<1	<1	<1	
Nitrogen (N)	120	mg/ l	18.3	3.6	9.83	
	Average/Day	mg/ l				
Phosphorus (P)	16	mg/ l	1.26	0.29	0.7	
	Average/Day	mg/ l				