

Yokohama plant : 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	<0.01	<0.01	<0.01	
Organic phosphorus compounds	1	mg/l	<0.01	<0.01	<0.01	
Lead and its compounds (Pb)	0.1	mg/l	<0.01	<0.01	<0.01	
Chromium (Cr ⁶⁺)	0.5	mg/l	<0.01	<0.01	<0.01	
Arsenic and its compounds (As)	0.1	mg/l	<0.01	<0.01	<0.01	
Total mercury	0.005	mg/l	<0.0005	<0.0005	<0.0005	
Alkyl mercury compounds	Not detected	mg/l	<0.0005	<0.0005	<0.0005	
PCB	0.003	mg/l	ND	ND	ND	
Trichlorethylene	0.3	mg/l	<0.001	<0.001	<0.001	
Tetrachloroethene	0.1	mg/l	<0.001	<0.001	<0.001	
Dichloromethane	0.2	mg/l	<0.001	<0.001	<0.001	
Carbon tetrachloride	0.02	mg/l	<0.001	<0.001	<0.001	
1,2-Dichloro ethane	0.04	mg/l	<0.001	<0.001	<0.001	
1,1-Dichloro ethylene	0.2	mg/l	<0.001	<0.001	<0.001	
Cis-1,2-Dichloro ethylene	0.4	mg/l	<0.001	<0.001	<0.001	
1,1,1-Trichloro ethane	3	mg/l	<0.001	<0.001	<0.001	
1,1,2-Trichloro ethane	0.06	mg/l	<0.001	<0.001	<0.001	
1,3-Dichloropropene	0.02	mg/l	<0.001	<0.001	<0.001	
Thiram	0.06	mg/l	<0.006	<0.006	<0.006	
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	<0.001	<0.001	<0.001	
Selenium and its compounds (Se)	0.1	mg/l	<0.01	<0.01	<0.01	
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		7.8	7.0	7.5	
Biochemical Oxygen Demand	60	mg/l	7.7	<0.5	3.6	
Chemical Oxygen Demand(COD)	60	mg/l	3.0	<1	1.5	
Suspended solids (SS)	90	mg/l	3.0	<1	<1	
N-hexane extracts (mineral oil)	5	mg/l	<1	<1	<1	
N-hexane extracts (animal & vegetable oil)	10	mg/l				
Phenol	0.5	mg/l	<0.1	<0.1	<0.1	
Copper (Cu)	3	mg/l	0.01	<0.01	<0.01	
Zinc (Zn)	3	mg/l	0.08	0.02	0.04	
Dissolved iron (Fe)	10	mg/l	<0.1	<0.1	<0.1	
Dissolved manganese (Mn)	1	mg/l	<0.1	<0.1	<0.1	
Chromium (Cr)	2	mg/l	0.1	<0.01	<0.01	
Fluoride and its compounds (F)	15	mg/l	1.4	<0.1	0.2	
Number of coliform groups	Average/Day 3000	Qty/cm ³	10	0	2	
Nitrogen (N)	50	mg/l	7.7	1.1	3.8	
Phosphorus (P)	16	mg/l	0.4	<0.1	0.2	