

Oppama plant : Wastewater Quality (Water Pollution Control Law, Regulation of Kanagawa Prefecture)

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	0.03	<0.03	<0.03	
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	<0.0005	<0.0005	<0.0005	
Trichlorethylene	0.3	mg/l	<0.01	<0.01	<0.01	
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	<0.001	<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	<0.0006	<0.0006	<0.0006	
Simazine	0.03	mg/l	<0.0003	<0.0003	<0.0003	
Thiobencarb	0.2	mg/l	<0.002	<0.002	<0.002	
Benzene	0.1	mg/l	<0.001	<0.001	<0.001	
Selenium and its compounds (Se)	0.1	mg/l	<0.005	<0.005	<0.005	
Boron and its compounds	230	mg/l	0.1	0.1	0.1	
Ammonia, Ammonium compounds, Nitrites and Nitrate compounds	100	mg/l	<0.1	<0.1	<0.1	
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		7.7	7.1	7.5	
Biochemical Oxygen Demand (BOD)	60	mg/l	<1.0	<1.0	<1.0	
	Average/Day	—				
Chemical Oxygen Demand (COD)	60	mg/l	6.2	4.2	5.0	
	Average/Day	—				
Suspended solids (SS)	90	mg/l	<1.0	<1.0	<1.0	
	Average/Day	—				
N-hexane extracts (mineral oil)	5	mg/l	<1.0	<1.0	<1.0	
N-hexane extracts (animal & vegetable oil)	30	mg/l				
Phenol	5	mg/l	<0.01	<0.01	<0.01	
Copper (Cu)	3	mg/l	<0.01	<0.01	<0.01	
Zinc (Zn)	3	mg/l	0.07	0.01	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	<0.01	<0.01	<0.01	
Fluoride and its compounds (F)	15	mg/l	1.1	0.3	0.6	
Number of coliform groups	Average/Day	3000	Qty/cm ³	0	0	0
Nitrogen (N)	50	mg/l	14.0	6.3	9.2	
	Average/Day	30				
Phosphorus (P)	16	mg/l	0.2	<0.1	0.1	
	Average/Day	8				
Nickel (Ni)	1	mg/l	0.1	<0.1	<0.1	