

Honmoku 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	<0.1	<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				
Total mercury	0.005	mg/l	<0.0005	<0.0005	<0.0005	
Alkyl mercury compounds	Not detected	mg/l				
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				
Carbon tetrachloride	0.02	mg/l	<0.002	<0.002	<0.002	
1,2-Dichloro ethane	0.04	mg/l				
1,1-Dichloro ethylene	0.2	mg/l				
Cis-1,2-Dichloro ethylene	0.4	mg/l				
1,1,1-Trichloro ethane	3	mg/l	<0.3	<0.3	<0.3	
1,1,2-Trichloro ethane	0.06	mg/l				
1,3-Dichloropropene	0.02	mg/l				
Thiram	0.06	mg/l				
Simazine	0.03	mg/l				
Thiobencarb	0.2	mg/l				
Benzene	0.1	mg/l				
Selenium and its compounds (Se)	0.1	mg/l				
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		7.4	6.3	6.9	
Biochemical Oxygen Demand	60	mg/l	5.9	1.8	3.9	
	Average/Day	mg/l				
Chemical Oxygen Demand(COD)	60	mg/l	1.4	0.5	0.8	
	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)	10	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	0.07	0.05	0.06	
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	0.05	0.05	0.05	
Fluoride and its compounds (F)	15	mg/l	0.1	0.1	0.1	
Number of coliform groups	3000	Qty/cm <sup>3</sup>				
Nitrogen (N)	50	mg/l	30.0	11.0	21.9	
	Average/Day	mg/l				
Phosphorus (P)	16	mg/l	2.1	0.4	1.2	
	Average/Day	mg/l				