

## Iwaki plant : Wastewater Quality (Water Pollution Control Law and Fukushima Prefecture's ordinance relating preservation of the living environment)

## A)Harmful Substances

Substance	Legal Limits	Unit	FY2014 Measured Values			Remarks
			Max	Min	Average	
Cadmium (Cd)	0.1	mg/l	<0.005	<0.005	<0.005	
Cyanide compounds (CN)	1.0	mg/l	<0.05	<0.05	<0.05	
Organic phosphorus compounds	1.0	mg/l	<0.1	<0.1	<0.1	
Lead and its compounds (Pb)	0.1	mg/l	<0.02	<0.02	<0.02	
Chromium (Cr <sup>6+</sup> )	0.5	mg/l	<0.05	<0.05	<0.05	
Arsenic and its compounds (As)	0.1	mg/l	<0.02	<0.02	<0.02	
Total mercury	0.005	mg/l	<0.0005	<0.0005	<0.0005	
Alkyl mercury compounds	Not detected	mg/l	不検出	不検出	不検出	
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	<0.02	<0.02	<0.02	
1,1,1-Trichloro ethane	3.0	mg/l	<0.01	<0.01	<0.01	
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	<0.006	<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	<0.01	<0.01	<0.01	
Selenium and its compounds (Se)	0.1	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		7.2	6.6	6.9		
Chemical Oxygen Demand (COD)	Max	160	mg/l	6.3	3.2	4.6	
	Average/Day	120	mg/l				
Biochemical Oxygen Demand (BOD)	Max	160	mg/l	<0.5	<0.5	<0.5	
	Average/Day	120	mg/l				
Suspended solids (SS)	(SS)	200	mg/l	<5	<5	<5	
	Average/Day	150	mg/l				
N-hexane extracts (mineral oil)	5	mg/l	<0.5	<0.5	<0.5		
N-hexane extracts (animal & vegetable oil)	30	mg/l	<0.5	<0.5	<0.5		
Phenol	5	mg/l	<0.05	<0.05	<0.05		
Copper (Cu)	3	mg/l	<0.1	<0.1	<0.1		
Zinc (Zn)	5	mg/l	<0.1	<0.1	<0.1		
Dissolved iron (Fe)	10	mg/l	<0.1	<0.1	<0.1		
Dissolved manganese (Mn)	10	mg/l	<0.1	<0.1	<0.1		
Chromium (Cr)	2	mg/l	<0.1	<0.1	<0.1		
Fluoride and its compounds (F)		mg/l	<0.5	<0.5	<0.5		
Nickel (Ni)		mg/l	<0.1	<0.1	<0.1		
Number of coliform groups	Average/Day	3000	Qty/cm <sup>3</sup>	9	1	1	
Nitrogen	Max	120	mg/l	5.8	5.8	5.8	
	Average/Day	60	mg/l				
Phosphorus	Max	16	mg/l	0.21	0.21	0.21	
	Average/Day	8	mg/l				