

Tochigi 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	Measuring once a year
Cyanide compounds (CN)	1	mg/l	<0.1	<0.1	<0.1	Measuring once a year
Organic phosphorus compounds	1	mg/l	<0.1	<0.1	<0.1	Measuring once a year
Lead and its compounds (Pb)	0.1	mg/l	<0.01	<0.01	<0.01	Measuring every month
Chromium (Cr ⁶⁺)	0.5	mg/l	<0.05	<0.05	<0.05	Measuring once a year
Arsenic and its compounds (As)	0.1	mg/l	<0.01	<0.01	<0.01	Measuring once a year
Total mercury	0.005	mg/l	<0.0005	<0.0005	<0.0005	Measuring once a year
Alkyl mercury compounds	Not detected	mg/l	<0.0005	<0.0005	<0.0005	Measuring once a year
PCB	0.003	mg/l	<0.0005	<0.0005	<0.0005	Measuring once a year
Trichlorethylene	0.3	mg/l	<0.001	<0.001	<0.001	Measuring once a year
Tetrachloroethene	0.1	mg/l	<0.001	<0.001	<0.001	Measuring once a year
Dichloromethane	0.2	mg/l	<0.02	<0.02	<0.02	Measuring once a year
Carbon tetrachloride	0.02	mg/l	<0.001	<0.001	<0.001	Measuring once a year
1,2-Dichloro ethane	0.04	mg/l	<0.004	<0.004	<0.004	Measuring once a year
1,1-Dichloro ethylene	0.2	mg/l	<0.02	<0.02	<0.02	Measuring once a year
Cis-1,2-Dichloro ethylene	0.4	mg/l	<0.04	<0.04	<0.04	Measuring once a year
1,1,1-Trichloro ethane	3	mg/l	<0.001	<0.001	<0.001	Measuring once a year
1,1,2-Trichloro ethane	0.06	mg/l	<0.006	<0.006	<0.006	Measuring once a year
1,3-Dichloropropene	0.02	mg/l	<0.002	<0.002	<0.002	Measuring once a year
Thiram	0.06	mg/l	<0.006	<0.006	<0.006	Measuring once a year
Simazine	0.03	mg/l	<0.003	<0.003	<0.003	Measuring once a year
Thiobencarb	0.2	mg/l	<0.02	<0.02	<0.02	Measuring once a year
Benzene	0.1	mg/l	<0.01	<0.01	<0.01	Measuring once a year
Selenium and its compounds (Se)	0.1	mg/l	<0.01	<0.01	<0.01	Measuring once a year
Boron and its compounds	10	mg/l	<0.1	<0.1	<0.1	Measuring once a year

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		8.0	6.7	7.2		
Biochemical Oxygen Demand	30	mg/l	8.3	1.0	2.0		
	Average/Day	20	mg/l	-	-	-	Not measuring
Chemical Oxygen Demand(COD)	-	mg/l	-	-	-	Below regulation	
	Average/Day	-	mg/l	-	-	-	
Suspended solids (SS)	50	mg/l	18.8	1.0	1.9		
	Average/Day	40	mg/l				Not measuring
N-hexane extracts (mineral oil)	5	mg/l	0.5	0.5	0.5		
N-hexane extracts (animal & vegetable oil)	30	mg/l	↑	↑	↑		
Phenol	5	mg/l	<0.1	<0.1	<0.1	Measuring once a year	
Copper (Cu)	3	mg/l	<0.1	<0.1	<0.1	Measuring once a year	
Zinc (Zn)	5	mg/l	0.2	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)	8	mg/l	0.4	0.2	0.1		
Number of coliform groups	Average/Day	3000	Qty/cm ³	2,900.0	0	59	
Nitrogen (N)	-	mg/l	-	-	-	Below regulation	
	Average/Day	-	mg/l				
Phosphorus (P)	-	mg/l	-	-	-	Below regulation	
	Average/Day	-	mg/l				