

Japan Display environmental measurement data (FY2015)

Environmental measurement data of the plant have been partly published in page 16 of the Environmental Report 2016.
If you want to see all the data, including other plants, please refer to the following.

Wastewater Management

Living environment items

Plant name	Discharge destination	BOD ^{*1} (mg/L)					COD ^{*2} (mg/L)					SS ^{*3} (mg/L)					Hydrogen ion concentration (pH)				
		Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value
Mobara①	River	10	8	0.6	2.2	3.8	25	20	2.3	3.3	4.7	20	15	<0.5	0.6	1.5	5.8~8.6	6.0~8.4	7.2	7.4	7.7
Mobara②	River	10	8	<0.5	1.6	3.4	25	20	3.0	4.7	6.3	20	15	<0.5	1.3	8.0	5.8~8.6	6.0~8.4	6.9	7.1	7.6
Tottori	Sewage system	600	450	10	204	337	—	—	—	—	—	600	300	15	44	102	5.0~9.0	6.0~8.7	6.8	7.1	7.3
Higashiuma	River	15	12	0.6	1.1	1.8	10	8	2.7	3.4	4.6	15	12	1.0	1.7	3.0	5.8~8.6	6.0~8.3	7.2	7.4	7.5
Ishikawa	River	30	29	1.3	6.4	9.0	160	125	2.2	3.2	4.4	80	60	1.0	2.7	5.0	5.8~8.6	6.1~8.2	7.1	7.3	7.4
Nomi	River	30	29	1.0	1.5	2.0	160	125	2.5	2.5	2.5	90	70	1.0	1.5	2.0	5.8~8.6	6.1~8.2	7.2	7.3	7.3

Plant name	Discharge destination	Normal hexane extractable material (mg/L)					Phenols (mg/L)					Phosphorus (mg/L)					Nitrogen (mg/L)				
		Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value
Mobara①	River	2	1.6	<0.5	0.5	0.7	0.5	0.4	<0.01	0.05	<0.1	16	6.4	0.04	0.10	0.30	120	80	6.9	11.1	14.8
Mobara②	River	2	1.6	<0.5	0.6	0.7	0.5	0.4	<0.01	0.05	<0.1	16	6.4	<0.03	0.03	0.04	120	80	11.2	28.3	45.0
Tottori	Sewage system	5	2.5	1.0	1.0	1.0	5	2.5	1.0	1.0	1.0	—	—	—	—	—	—	—	—	—	—
Higashiuma	River	2	1.6	0.5	0.5	0.5	5	4	0.05	0.05	0.05	1	0.8	0.04	0.30	0.53	10	8	2.5	3.4	4.5
Ishikawa	River	5	4	1.0	1.0	1.0	5	4	0.05	0.05	0.05	16	14.9	0.24	2.14	4.40	120	95	3.9	5.1	6.6
Nomi	River	5	4	1.0	1.0	1.0	5	4	0.05	0.05	0.05	16	14.9	0.06	0.10	0.14	120	95	30.0	36.0	42.0

Hazardous substances

Plant name	Discharge destination	Nitrate nitrogen, nitrite nitrogen, and ammoniac nitrogen (mg/L)					Boron and its compounds (mg/L)					Fluorine and its compounds (mg/L)									
		Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value
Mobara①	River	100	80	<6.1	10.0	14.0	10	8	0.03	0.05	0.09	8	6.4	0.7	1.3	2.2	—	—	—	—	—
Mobara②	River	100	80	9.1	17.6	24.8	10	8	0.50	0.73	1.20	8	6.4	0.5	2.2	3.7	—	—	—	—	—
Tottori	Sewage system	380	190	0.9	1.0	1.2	—	—	—	—	—	8	5	0.2	0.8	1.3	—	—	—	—	—
Higashiuma	River	100	80	1.7	3.2	4.4	10	8	1.00	1.00	1.00	8	6.5	2.1	2.7	3.9	—	—	—	—	—
Ishikawa	River	100	80	2.4	3.3	4.4	10	8	0.10	0.10	0.10	8	6	0.6	0.8	0.9	—	—	—	—	—
Nomi	River	100	80	25.0	31.5	38.0	10	8	0.10	0.20	0.30	8	6	1.5	1.8	2.1	—	—	—	—	—

*1 Biochemical Oxygen Demand

*2 Chemical Oxygen Demand

*3 Suspended Solids

Air Emissions Management

Plant name	Target facilities	Number of units	Particulate matter (g/Nm ³) ^{*4}					Nitrogen oxides (vol ppm) ^{*5}					Sulfur oxide(Nm ³ /h) ^{*6}				
			Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value	Legal limits	JDI standards	Minimum value	Average	Maximum value
Mobara	Once-through boilers	20	—	—	—	—	—	150	120	9	14.2	20	—	—	—	—	—
Tottori	Once-through boilers	8	0.1	0.05	<0.001	<0.001	<0.001	150	75	18	24	30	—	—	—	—	—
	Absorption coolin	3	0.1	0.05	0.001	0.001	0.001	150	75	28	29	30	—	—	—	—	—
Higashiuma	Flue and smoke tube boilers	5	0.1	0.08	<0.002	0.002	0.003	150	120	18	27.1	35	—	—	—	—	—
	Multitubular once-through boilers	6	0.1	0.08	<0.002	0.002	0.003	150	120	8	15.3	24	—	—	—	—	—
	Once-through boilers	3	0.3	0.15	0.01	0.01	0.01	180	105	47							