

Ogaki Plant

<No.1 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.5	8.3	

<No.2 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.2	8.4	
BOD (Biochemical oxygen demand)	mg / L	160	15	15	1.5	3.7	
COD (Chemical Oxygen Demand)	mg / L	160	Regulation of total emission	Regulation of total emission	2.3	4.3	
SS (Suspended Solids)	mg / L	200	30	30	1.3	6.0	
Copper	mg / L	3	2	1	0.1	0.1	
Lead and lead compounds	mg / L	0.1	0.1	0.03	0.01	0.01	
Cyanide compounds	mg / L	1	0.1	0.1	0.1	0.1	
n-H mineral oils	mg / L	5	5	5	<1	<1	
Nitrogen	mg / L	120	60	60	1.1	3.2	
Phosphorus	mg / L	16	8	8	0.1	0.1	
Boron and boron compounds	mg / L	10	10	10	0.1	0.1	
Ammonia and ammonium compounds,nitrite and nitrate compounds	mg / L	100	100	100	1.1	2.6	

<Air Measurement>

Item	Equipment	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Soot	Boiler No.15	g/m ³ N	0.3	0.27	0.27	0.002	0.002	
	Boiler No.16	g/m ³ N	0.3	0.27	0.27	0.002	0.002	
	Boiler No.17	g/m ³ N	0.3	0.27	0.27	0.003	0.003	
	Boiler No.18	g/m ³ N	0.3	0.27	0.27	0.002	0.002	
	Boiler No.19	g/m ³ N	0.3	0.27	0.27	0.001	0.001	
	Boiler No.20	g/m ³ N	0.1	0.09	0.09	0.003	0.003	
	Boiler No.21	g/m ³ N	0.1	0.09	0.09	0.001	0.001	
	Boiler No.22	g/m ³ N	0.1	0.09	0.09	0.001	0.001	
	Boiler No.23	g/m ³ N	0.1	0.09	0.09	0.001	0.001	
	Boiler No.24	g/m ³ N	0.1	0.09	0.09	0.001	0.001	
	Boiler No.25	g/m ³ N	0.1	0.09	0.09	0.001	0.001	
	Boiler No.26	g/m ³ N	0.1	0.09	0.09	0.001	0.001	
	Gas Turbine No.1	g/m ³ N	0.05	0.05	0.05	0.001	0.001	
	Gas Turbine No.2	g/m ³ N	0.05	0.05	0.05	0.001	0.001	
NOx (Nitrogen oxides)	Boiler No.15	ppm	260	260	260	90	90	
	Boiler No.16	ppm	260	260	260	89	89	
	Boiler No.17	ppm	260	260	260	90	90	
	Boiler No.18	ppm	260	260	260	91	91	
	Boiler No.19	ppm	260	260	260	90	90	
	Boiler No.20	ppm	150	150	150	83	83	
	Boiler No.21	ppm	150	150	150	43	43	
	Boiler No.22	ppm	150	150	150	45	45	
	Boiler No.23	ppm	150	150	150	43	43	
	Boiler No.24	ppm	150	150	150	45	45	
	Boiler No.25	ppm	150	150	150	46	46	
	Boiler No.26	ppm	150	150	150	43	43	
	Gas Turbine No.1	ppm	70	70	70	21	24	
	Gas Turbine No.2	ppm	70	70	70	19	23	

<Noise Measurement>

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
North (morning・evening)	dB	65	65	65	50	53	
East (morning・evening)	dB	65	65	65	47	60	
South (morning・evening)	dB	65	65	65	48	58	
West (morning・evening)	dB	65	65	65	56	57	
North (night)	dB	60	60	60	49	51	
East (night)	dB	60	60	60	46	59	
South (night)	dB	60	60	60	47	58	
West (night)	dB	60	60	60	56	58	

Aoyanagi Plant

<No.2 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	備考
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.9	8.0	

<No.3 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	備考
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.8	7.9	
Copper	mg / L	3	2	1	0.01	0.01	

<No.5 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	6.9	7.4	
BOD	mg / L	160	15	15	0.9	3.0	
COD	mg / L	160	Regulation of total emission	Regulation of total emission	0.3	1.9	
SS	mg / L	200	30	30	1.8	12.0	
Copper	mg / L	3	2	1	0.1	0.7	
Lead and lead compounds	mg / L	0.1	0.1	0.03	0.01	0.01	
Fluorine and fluorine compounds	mg / L	8	8	5	0.1	0.1	
Cyanide compounds	mg / L	1	0.1	0.1	0.1	0.1	
n-H mineral oils	mg / L	5	5	5	1	1	
Nitrogen	mg / L	120	60	60	2.0	5.0	
Phosphorus	mg / L	16	8	8	0.5	4.7	
Boron and boron compounds	mg / L	10	10	10	0.1	0.1	
Ammonia and ammonium compounds,nitrite and nitrate compounds	mg / L	100.0	100	100	1.6	4.8	
Selenium and selenium compounds	mg / L	0.1	0.1	-	0.01	0.01	

<No.6 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.9	8.1	
BOD	mg / L	160	15	15	0.5	0.9	
COD	mg / L	160	Regulation of total emission	Regulation of total emission	0.4	0.9	
SS	mg / L	200	30	30	1.2	3.0	
Cyanide compounds	mg / L	1	0.1	0.1	0.1	0.1	
Phenol	mg / L	5	0.4	0.4	0.1	0.1	
n-H mineral oils	mg / L	5	5	5	1	1	
Nitrogen	mg / L	120	60	60	1.1	2.9	
Phosphorus	mg / L	16	8	8	0.1	0.1	

<No.7 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	備考
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.7	8.2	

<No.16-1 Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	備考
pH	-	5.8～8.6	5.8～8.6	6.0～8.3	7.6	7.8	

<Air Measurement>

Item	Equipment	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Soot	Boiler No.2	g/m³N	0.1	0.09	0.09	0.001	0.001	
	Gas Turbine No.1	g/m³N	0.05	0.05	0.05	0.001	0.001	
	Gas Turbine No.2	g/m³N	0.05	0.05	0.05	0.001	0.001	
NOx	Boiler No.2	ppm	150	150	150	89	90	
	Gas Turbine No.1	ppm	70	70	70	17	24	
	Gas Turbine No.2	ppm	70	70	70	20	28	

<Noise Measurement>

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
East (morning・evening)	dB	65	65	60	49	55	
South (morning・evening)	dB	65	65	60	49	54	
West (morning・evening)	dB	65	65	60	43	53	
North (morning・evening)	dB	65	65	60	45	50	
East (night)	dB	60	60	55	46	48	
South (night)	dB	60	60	55	47	49	
West (night)	dB	60	60	55	42	52	
North (night)	dB	60	60	55	43	47	

Gama Plant

<Air Measurement>

Item	Equipment	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Soot	Gas engine	g/m ³ N	0.05	0.05	0.05	<0.001	<0.001	
NOx	Gas engine	ppm	600	600	600	57	57	

<Noise Measurement>

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
East (morning・evening)	dB	65	65	60	43	48	
South (morning・evening)	dB	65	65	60	40	44	
East (night)	dB	60	60	55	41	45	
South (night)	dB	60	60	55	37	41	

Ogaki Central Plant

<Wastewater Measurement>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8~8.6	5.8~8.6	6.0~8.3	7.0	7.4	
BOD	mg / L	160	15	15	1.7	3.0	
COD	mg / L	160	Regulation of total emission	Regulation of total emission	1.4	3.2	
SS	mg / L	200	30	30	1.8	6.0	
Copper	mg / L	3	2	1	0.1	0.5	
Lead and lead compounds	mg / L	0.1	0.1	0.03	0.01	0.01	
Cyanide compounds	mg / L	1	0.1	0.1	0.1	0.1	
n-H mineral oils	mg / L	5	5	5	1	1	
Nitrogen	mg / L	120	60	60	2.7	4.4	
Phosphorus	mg / L	16	8	8	0.1	0.1	
Boron and boron compounds	mg / L	10	10	10	0.1	0.1	
Ammonia and ammonium compounds, nitrite and nitrate compounds	mg / L	100	100	100	1.9	3.3	

<Air Measurement>

Item	Equipment	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Soot	B-1-1 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-2 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-3 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-4 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-5 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-6 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-7 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-8 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-9 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	B-1-10 Boiler	g/m ³ N	0.1	0.09	0.09	<0.001	<0.001	
	Gas engine Unit 1	g/m ³ N	0.05	0.05	0.05	<0.001	<0.001	
	Gas engine Unit 2	g/m ³ N	0.05	0.05	0.05	<0.001	<0.001	
Nox	B-1-1 Boiler	ppm	150	150	150	29	29	
	B-1-2 Boiler	ppm	150	150	150	27	27	
	B-1-3 Boiler	ppm	150	150	150	30	30	
	B-1-4 Boiler	ppm	150	150	150	27	27	
	B-1-5 Boiler	ppm	150	150	150	29	29	
	B-1-6 Boiler	ppm	150	150	150	33	33	
	B-1-7 Boiler	ppm	150	150	150	27	27	
	B-1-8 Boiler	ppm	150	150	150	31	31	
	B-1-9 Boiler	ppm	150	150	150	31	31	
	B-1-10 Boiler	ppm	150	150	150	27	27	
	Gas engine Unit 1	ppm	600	600	600	165	170	
	Gas engine Unit 2	ppm	600	600	600	135	140	

<Noise Measurement>

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
North (morning・evening)	dB	50	50	50	42	45	
East No.1 (morning・evening)	dB	50	50	50	44	46	
East No.2 (morning・evening)	dB	60	60	60	43	46	
South (morning・evening)	dB	60	60	60	39	42	
West (morning・evening)	dB	50	50	50	42	46	
North (night)	dB	45	45	45	41	43	
East No.1 (night)	dB	45	45	45	42	44	
East No.2 (night)	dB	50	50	50	41	43	
South (night)	dB	50	50	50	37	39	
West (night)	dB	45	45	45	42	44	