

●Environmental Data for Individual Plants and Group Companies in FY2022

Ogaki-Kita Plant

<Total 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	7.8	
BOD	mg / L	160	30	20	2.2	5.4	
COD	mg / L	160	Regulation of total emission	Regulation of total emission	5.3	8.9	
SS	mg / L	200	30	25	2.3	6	
Copper	mg / L	3	2	1	0.01	0.02	
Fluorine and fluorine compounds	mg / L	8	8	8	<0.1	<0.1	
Phenol	mg / L	5	0.4	0.4	<0.1	<0.1	
n-H mineral oils	mg / L	5	5	4	<1	<1	
Nitrogen	mg / L	120	60	50	9.8	15	
Phosphorus	mg / L	16	8	7	1.1	1.7	
Boron and boron compounds	mg / L	10	10	10	<0.1	<0.1	
Ammonia and ammonium compounds, nitrite and nitrate compounds	mg / L	100	100	100	6.5	12	

<Air Measurement>

Item	Equipment	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Hydrogen sulfide	Vacuum incinerator	ppm	0.02	0.02	0.02	<0.0005	0.0005	

<Noise Measurement>

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
North (morning·evening)	dB	60	60	60	41	47	
East (morning·evening)	dB	60	60	60	44	48	
South (morning·evening)	dB	60	60	60	43	50	
Western angle of Building D (morning·evening)	dB	60	60	60	40	52	
West (morning·evening)	dB	60	60	60	41	55	
Graveyard (morning·evening)	dB	60	60	60	40	51	
Graveyard West (morning·evening)	dB	50	50	50	40	50	
North (night)	dB	50	50	50	40	47	
East (night)	dB	50	50	50	43	47	
South (night)	dB	50	50	50	41	43	
Western angle of Building D (night)	dB	50	50	50	39	48	
West (night)	dB	50	50	50	39	47	
Graveyard (night)	dB	50	50	50	39	46	
Graveyard West (night)	dB	45	45	45	38	45	

●Environmental Data for Individual Plants and Group Companies in FY2022

Kinuura Plant

< Wastewater Measurement >

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8~8.6		6.0~8.4	7.4	7.8	
BOD	mg / L	160		20	3.2	4.2	
COD	mg / L	160	160	30	9.1	11	
SS	mg / L	200		20	2.5	5	
Copper	mg / L	3		0.2	0.01	0.01	
Fluorine and fluorine compounds	mg / L	8		3	0.1	0.1	
Phenol	mg / L	5		0.2	0.1	0.1	
n-H mineral oils	mg / L	5		1	1	1	
Nitrogen	mg / L	120	120	30	19	19	
Phosphorus	mg / L	16	16	3	0.51	0.51	
Soluble manganese	mg / L	10		3	0.21	0.21	
Zinc	mg / L	2		1	0.04	0.04	
Solubility iron	mg / L	10		3	0.74	0.74	
Total chromium	mg / L	2		1	0.02	0.02	
Coliform bacilli	個 / cm ³	3,000		1,000	<1	<1	
Boron and boron compounds	mg / L	10		3	0.1	0.1	
Ammonia and ammonium compounds, nitrite and nitrate compounds	mg / L	100		50	10	10	

< Air Measurement >

Item	Equipment	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Soot	Once-through boiler No.6	g/m ³ N	0.1		0.1	0.01	0.01	
	Once-through boiler No.7	g/m ³ N	0.1		0.1	0.01	0.01	
	Once-through boiler No.8	g/m ³ N	0.1		0.1	0.01	0.01	
	Once-through boiler No.9	g/m ³ N	0.1		0.1	0.01	0.01	
NOx	Once-through boiler No.6	ppm	150		150	20	20	
	Once-through boiler No.7	ppm	150		150	23	23	
	Once-through boiler No.8	ppm	150		150	21	21	
	Once-through boiler No.9	ppm	150		150	23	23	

< Noise Measurement >

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
Main gate (daytime)	dB	75		75	56.6	65	

●Environmental Data for Individual Plants and Group Companies in FY2022

Godo Plant

<Wastewater Measurement - West>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8~8.6	5.8~8.6	5.8~8.6	7.1	8.4	

<Wastewater Measurement - East>

Item	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
pH	-	5.8~8.6	5.8~8.6	5.8~8.6	7.6	8.2	

<Noise Measurement>

Place	Unit	National standard	City standard	Voluntary standard	Average	Maximum	Note
East (morning·evening)	dB	65	65	65	45	51	
West (morning·evening)	dB	65	65	65	45	50	
South (morning·evening)	dB	65	65	65	42	50	
North (morning·evening)	dB	65	65	65	44	49	
East (night)	dB	60	60	60	41	55	
West (night)	dB	60	60	60	42	52	
South (night)	dB	60	60	60	42	49	
North (night)	dB	60	60	60	43	53	