

**Treated Waste: Types and Quantities (FY2021)**

[ton]

Category	Description of waste	April	May	June	July	August	September	October	November	December	January	February	March
Industrial waste	Sludge	193	121	143	238	457	220	225	170	334	378	310	239
	Waste oil	0	0	0	0	0	0	0	0	0	0	0	0
	Waste plastic and others	1,831	1,476	2,083	1,849	2,645	1,521	2,333	2,334	1,954	2,051	2,179	1,926
	Waste paper	173	216	262	179	265	155	300	240	188	168	130	128
	Wood waste	0	0	1	0	0	1	0	0	0	1	0	0
	Animal and plant residues	121	129	175	86	82	29	166	218	70	58	52	34
	Waste rubber	0	0	0	0	0	0	0	0	0	0	0	0
	Waste alkali	20	5	28	14	19	18	24	18	22	8	17	57
	Waste acid	0	0	0	0	0	0	0	0	0	0	0	0
	Waste metal	0	0	0	0	0	0	0	0	4	7	2	0
Hazardous waste	Infectious waste	437	528	656	658	636	711	631	515	601	607	612	632

**Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2021)**

[No.1 Incinerator]

	1st	2nd	3rd	4th	5th	6th	7th	8th
Concentrations of Dioxins								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	24-Nov							
Date of measurement result obtained	17-Dec							
Measurement result (ng-TEQ/m3N)	0.00019							
Concentrations of Soot								
Concentration of Sulfur Oxides								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	20-Apr	28-Jul	18-Aug	24-Nov	25-Jan	24-Feb		
Date of measurement result obtained	17-May	27-Aug	22-Sep	17-Dec	28-Feb	18-Mar		
Measurement result (volppm)	4.8	41	42	18	31	29		
Concentration of Soot and Dust								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	28-Jul	24-Nov	25-Jan					
Date of measurement result obtained	27-Aug	17-Dec	28-Feb					
Measurement result (g/m3N)	<0.001	<0.001	<0.001					
Concentration of Hydrogen Chloride								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	28-Jul	24-Nov	25-Jan					
Date of measurement result obtained	27-Aug	17-Dec	28-Feb					
Measurement result (mg/m3N)	17	6.6	43					
Concentration of Nitrogen Oxides								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	28-Jul	25-Jan						
Date of measurement result obtained	27-Aug	28-Feb						
Measurement result (ppm)	38	30						
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit								
Date of removal of soot and dust	4/9,26	5/3~7	10/8~31					

**Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2021)**

[No.2 Incinerator]

	1st	2nd	3rd	4th	5th	6th	7th	8th
Concentrations of Dioxins								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	29-Jun							
Date of measurement result obtained	30-Jul							
Measurement result (ng-TEQ/m3N)	0.088							
Concentrations of Soot								
Concentration of Sulfur Oxides								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	13-Apr	29-Jun	28-Jul	22-Sep	21-Oct	24-Nov	25-Jan	24-Feb
Date of measurement result obtained	13-May	30-Jul	27-Aug	15-Oct	24-Nov	17-Dec	28-Feb	18-Mar
Measurement result (volppm)	6.200	27	18	2.6	10	26	37	6.6
Concentration of Soot and Dust								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	13-Apr	29-Jun	21-Oct					
Date of measurement result obtained	13-May	30-Jul	24-Nov					
Measurement result (g/m3N)	<0.001	<0.001	<0.001					
Concentration of Hydrogen Chloride								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	13-Apr	29-Jun	21-Oct					
Date of measurement result obtained	13-May	30-Jul	24-Nov					
Measurement result (mg/m3N)	20	38	24					
Concentration of Nitrogen Oxides								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	13-Apr	24-Nov						
Date of measurement result obtained	13-May	17-Dec						
Measurement result (ppm)	31	33						
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit								
Date of removal of soot and dust	4/27	1/13,14						

**Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2021)**

[No.3 Incinerator]

	1st	2nd	3rd	4th	5th	6th	7th	8th
Concentrations of Dioxins								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	15-May							
Date of measurement result obtained	16-Jun							
Measurement result (ng-TEQ/m3N)	0.012							
Concentrations of Soot								
Concentration of Sulfur Oxides								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	25-May	30-Jun	18-Aug	21-Oct	17-Dec	9-Mar		
Date of measurement result obtained	16-Jun	30-Jul	22-Sep	24-Nov	13-Jan	31-Mar		
Measurement result (volppm)	4.1	5	9.3	7.2	13	24		
Concentration of Soot and Dust								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	25-May	30-Jun	17-Dec					
Date of measurement result obtained	16-Jun	30-Jul	13-Jan					
Measurement result (g/m3N)	<0.002	<0.001	<0.001					
Concentration of Hydrogen Chloride								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	25-May	30-Jun	17-Dec					
Date of measurement result obtained	16-Jun	30-Jul	13-Jan					
Measurement result (mg/m3N)	21.0	8.7	38					
Concentration of Nitrogen Oxides								
Sampling position of the emission gas	Sampling port in the middle of the stack							
Sampling date of the emission gas	30-Jun	17-Dec						
Date of measurement result obtained	30-Jul	13-Jan						
Measurement result (ppm)	18	41						
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit								
Date of removal of soot and dust	4/6,7	7/19~23						