

Treated Waste: Types and Quantities (FY2017)

[ton]

Category	Description of waste	April	May	June	July	August	September	October	November	December	January	February	March
Industrial waste	Sludge	398	255	242	202	256	270	316	340	323	346	392	410
	Waste oil	12	7	10	8	12	9	14	14	8	7	7	8
	Waste plastic and others	2,474	1,871	2,168	2,293	2,362	1,931	2,043	2,418	2,081	1,588	1,593	2,152
	Waste paper	243	169	201	196	198	185	199	246	235	183	194	237
	Wood waste	7	3	3	5	3	1	0	4	10	8	8	7
	Animal and plant residues	48	44	53	62	59	61	47	59	51	41	43	46
	Waste rubber	0	0	0	0	1	1	1	0	0	0	0	0
	Waste alkali	28	15	42	30	9	9	19	14	9	13	63	63
	Waste acid	0	0	0	0	0	0	0	0	2	-	0	0
Hazardous waste	Infectious waste	632	606	777	620	751	667	680	749	663	563	626	593

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2017)

[No.1 Incinerator]

	1st	2nd	3rd	4th	5th	6th	7th
Concentrations of Dioxins							
Sampling position of the emission gas	Sampling port in the middle of the stack						
Sampling date of the emission gas	19-Sep						
Date of measurement result obtained	23-Oct						
Measurement result (ng-TEQ/m3N)	0.038						
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	11-Apr	29-Jun	2-Aug	19-Sep	14-Nov	16-Jan	23-Feb
Date of measurement result obtained	12-May	12-Jul	4-Sep	23-Oct	8-Dec	16-Feb	23-Mar
Measurement result (m3N/h)	0.357	0.39	0.439	0.068	0.066	0.21	0.19
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	2-Aug	19-Sep	23-Feb				
Date of measurement result obtained	4-Sep	23-Oct	23-Mar				
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	2-Aug	19-Sep	23-Feb				
Date of measurement result obtained	4-Sep	23-Oct	23-Mar				
Measurement result (mg/m3N)	44	7.6	27				
Concentration of Nitrogen Oxides							
Sampling position of the emission gas	Sampling port in the middle of the stack						
Sampling date of the emission gas	2-Aug	23-Feb					
Date of measurement result obtained	4-Sep	23-Mar					
Measurement result (ppm)	31	27					
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit							
Date of removal of soot and dust	7/14.15.17~19	10/19.20	3/19.20				

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2017)

[No.2 Incinerator]

	1st	2nd	3rd	4th	5th	6th	7th
Concentrations of Dioxins							
Sampling position of the emission gas	Sampling port in the middle of the stack						
Sampling date of the emission gas	31-May						
Date of measurement result obtained	23-Jun						
Measurement result (ng-TEQ/m ³ N)	0.087						
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	22-Mar	31-May	6-Sep	14-Nov	17-Jan	14-Mar	
Date of measurement result obtained	4-Apr	23-Jun	20-Sep	8-Dec	16-Feb	28-Mar	
Measurement result (m ³ N/h)	0.440	0.32	0.060	0.111	0.120	0.37	
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	31-May	14-Nov					
Date of measurement result obtained	23-Jun	8-Dec					
Measurement result (g/m ³ N)	<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	31-May	14-Nov					
Date of measurement result obtained	23-Jun	8-Dec					
Measurement result (mg/m ³ N)	22	5.1					
Concentration of Nitrogen Oxides							
Sampling position of the emission gas	Sampling port in the middle of the stack						
Sampling date of the emission gas	31-May	14-Nov					
Date of measurement result obtained	23-Jun	8-Dec					
Measurement result (ppm)	37	39					
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit							
Date of removal of soot and dust	5/1-5,8,9	8/17,18	12/7,8				

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2017)

[No.3 Incinerator]

	1st	2nd	3rd	4th	5th	6th	7th
Concentrations of Dioxins							
Sampling position of the emission gas	Sampling port in the middle of the stack						
Sampling date of the emission gas	28-Jun						
Date of measurement result obtained	19-Jul						
Measurement result (ng-TEQ/m3N)	0.078						
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	22-Mar	10-Apr	28-Jun	31-Aug	6-Oct	11-Dec	14-Mar
Date of measurement result obtained	4-Apr	12-May	19-Jul	13-Sep	20-Oct	25-Dec	28-Mar
Measurement result (m3N/h)	0.074	<0.018	0.090	0.40	0.14	0.12	0.50
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-Jun	11-Dec					
Date of measurement result obtained	19-Jul	25-Dec					
Measurement result (g/m3N)	<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-Jun	11-Dec					
Date of measurement result obtained	19-Jul	25-Dec					
Measurement result (mg/m3N)	69.0	55					
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-Jun	11-Dec					
Date of measurement result obtained	19-Jul	25-Dec					
Measurement result (ppm)	40	32					
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit							
Date of removal of soot and dust	6/9-10,12-15						