

Treated Waste: Types and Quantities (FY2018)

[ton]

Category	Description of waste	April	May	June	July	August	September	October	November	December	January	February	March
Industrial waste	Sludge	390	332	351	316	360	363	346	364	431	329	372	441
	Waste oil	12	8	6	8	6	10	16	13	8	5	6	9
	Waste plastic and others	2,077	1,858	2,054	2,069	2,082	1,991	2,166	2,244	2,175	1,713	1,453	2,083
	Waste paper	234	191	219	213	262	303	258	289	286	222	167	292
	Wood waste	5	3	1	1	1	1	2	1	1	0	0	1
	Animal and plant residues	52	50	59	45	45	40	63	45	38	34	32	52
	Waste rubber	0	0	0	0	0	0	0	0	0	0	0	0
	Waste alkali	18	9	14	12	26	5	30	34	12	25	27	37
Waste acid	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous waste	Infectious waste	643	574	773	669	667	535	834	565	781	732	645	610

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2018)

[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	5-Dec					
	Date of measurement result obtained	10-Jan					
	Measurement result (ng-TEQ/m ³ N)	0.12					
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	19-Jun	31-Aug	21-Sep	26-Oct	18-Dec
	Date of measurement result obtained	21-May	20-Jul	14-Sep	19-Oct	22-Nov	25-Jan
	Measurement result (m ³ N/h)	0.042	0.317	0.01	0.321	0.246	0.117
	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-Aug	21-Sep	1-Feb			
	Date of measurement result obtained	14-Sep	19-Oct	16-Feb			
	Measurement result (g/m ³ N)	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	31-Aug	21-Sep	1-Feb			
	Date of measurement result obtained	14-Sep	19-Oct	16-Feb			
	Measurement result (mg/m ³ N)	10	39	21			
	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-Aug	1-Feb				
	Date of measurement result obtained	14-Sep	16-Feb				
	Measurement result (ppm)	35	35				
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit							
	Date of removal of soot and dust	7/31	8/1~8/3	3/14			

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2018)

[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	6-Jul					
	Date of measurement result obtained	6-Aug					
	Measurement result (ng-TEQ/m3N)	0.083					
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	20-Jun	31-Aug	26-Oct	19-Dec	19-Feb
	Date of measurement result obtained	21-May	20-Jul	14-Sep	22-Nov	25-Jan	6-Mar
	Measurement result (m3N/h)	0.241	<0.024	0.24	0.261	0.139	0.14
	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	11-Apr	6-Jul	26-Oct			
	Date of measurement result obtained	21-May	6-Aug	22-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	11-Apr	6-Jul	26-Oct			
	Date of measurement result obtained	21-May	6-Aug	22-Nov			
	Measurement result (mg/m3N)	47	20	26			
	Concentration of Nitrogen Oxides						
	Sampling position of the emission gas						
	Sampling port in the middle of the stack						
	Sampling date of the emission gas	11-Apr	26-Oct				
	Date of measurement result obtained	21-May	22-Nov				
	Measurement result (ppm)	28	32				
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit							
	Date of removal of soot and dust	5/1~5,7,8	9/27~9/28	2/5~2/6			

Measurement Result of Emission Gas and Date of Removal of soot and dust (FY2018)

[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						
	9-Oct						
	Date of measurement result obtained						
	6-Nov						
	Measurement result (ng-TEQ/m3N)						
	0.18						
Concentrations of Soot							
	Concentration of Sulfur Oxides						
	Sampling position of the emission gas						
	Sampling port in the middle of the stack						
	22-May	31-Jul	28-Aug	9-Oct	21-Nov	27-Feb	27-Feb
	Date of measurement result obtained						
	22-Jun	10-Aug	11-Sep	6-Nov	5-Dec	13-Mar	13-Mar
	Measurement result (m3N/h)						
	0.11	1.09	0.077	0.48	0.33	0.17	0.17
	Concentration of Soot and Dust						
	Sampling position of the emission gas						
	Sampling port in the middle of the stack						
	22-May	9-Oct	21-Nov				
	Date of measurement result obtained						
	22-Jun	6-Nov	5-Dec				
	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						
	22-May	9-Oct	21-Nov				
	Date of measurement result obtained						
	22-Jun	6-Nov	5-Dec				
	Measurement result (mg/m3N)						
	26.0	3	32				
	Concentration of Nitrogen Oxides						
	Sampling position of the emission gas						
	Sampling port in the middle of the stack						
	22-May	21-Nov					
	Date of measurement result obtained						
	22-Jun	5-Dec					
	Measurement result (ppm)						
	30	39					
Removal date of accumulated soot and dust from the cooling unit and emission gas treatment unit							
	6/26~6/30	1/27~1/28					