

FY2018 Exhaust gas analysis results of carbonizing equipment and power generation facilities

【Regulation value】

Items	Carbonizing equipment	Power generation facilities
Dust	$\leq 0.08\text{g/m}^3\text{N}$	$\leq 0.04\text{g/m}^3\text{N}$
Sulfur oxides	≤ 8.76 (K value)	≤ 8.76 (K value)
Nitrogen oxides	250 ppm	200 ppm
Hydrogen chloride	$700\text{mg/m}^3\text{N}$	-
Dioxins	$1\text{ ng-TEQ/m}^3\text{N}$	-
Dioxins(dust)	3 ng-TEQ/ g -dry	-
Mercury	$50\text{ }\mu\text{g/m}^3\text{N}$	-

【Measurement value】 Carbonizing equipment

Sampling date	May-18	Jul-18	Sep-18	Nov-18
System classification	No. 2 system	No. 1 system	No. 2 system	No. 1 system
Dust (g/m ³ N)	-	0.022	-	-
Sulfur oxides (K value)	1.8	2.1	1.2	1.2
Nitrogen oxides (ppm)	-	84	-	-
Hydrogen chloride (g/m ³ N)	-	9.4	-	-
Dioxins (ng-TEQ/m ³ N)	-	0.00002	-	-
Dioxins (dust) (ng-TEQ/ g -dry)	-	0.0000042	-	-
Mercury ($\mu\text{g/m}^3\text{N}$)	-	22	-	-

Sampling date	Jan-19	Feb-19	Mar-19	
System classification	No. 2 system	No. 2 system	No. 1 system	
Dust (g/m ³ N)	0.057	-	-	
Sulfur oxides (K value)	2.7	-	1.6	
Nitrogen oxides (ppm)	46	-	-	
Hydrogen chloride (g/m ³ N)	27.0	-	-	
Dioxins (ng-TEQ/m ³ N)	0.00000031	-	-	
Dioxins (dust) (ng-TEQ/ g -dry)	-	0.0000036	<0.03	
Mercury ($\mu\text{g/m}^3\text{N}$)	22	-	-	

【Measurement value】 Power generation facilities

Sampling date	May-18	Jul-18	Sep-18	Nov-18
Dust (g/m ³ N)	-	<0.004	-	-
Sulfur oxides (K value)	<0.03	<0.03	<0.03	<0.03
Nitrogen oxides (ppm)	-	170	-	-

Sampling date	Jan-19	Jan-19		
Dust (g/m ³ N)	<0.004	-		
Sulfur oxides (K value)	0.021	<0.03		
Nitrogen oxides (ppm)	19	-		