

FY2019 Exhaust gas analysis results of carbonizing equipment and power generation facilities

【Regulation value】

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

【Measurement value】 Carbonizing equipment

Sampling date	May-19	Jul-19	Sep-19	Nov-19
System classification	No. 2 system	No. 1 system	No. 2 system	No. 1 system
Dust (g/m ³ N)	-	0.001	-	-
Sulfur oxides (K value)	1.44	2.45	0.75	0.99
Nitrogen oxides (ppm)	-	13	-	-
Hydrogen chloride (g/m ³ N)	-	20.0	-	-
Dioxins (ng-TEQ/m ³ N)	-	0.0000027	-	-
Dioxins (dust) (ng-TEQ/ g -dry)	-	0.0025	-	-
Mercury (μg/m ³ N)	-	21	-	6.9

Sampling date	Jan-20	Mar-20		
System classification	No. 2 system	No. 1 system		
Dust (g/m ³ N)	0.001	-		
Sulfur oxides (K value)	0.42	1.23		
Nitrogen oxides (ppm)	14	-		
Hydrogen chloride (g/m ³ N)	8.5	-		
Dioxins (ng-TEQ/m ³ N)	0.000090	-		
Dioxins (dust) (ng-TEQ/ g -dry)	0.0000020	-		
Mercury (μg/m ³ N)	25	-		

【Measurement value】 Power generation facilities

Sampling date	May-19	Jul-19	Sep-19	Nov-19
Dust (g/m ³ N)	-	<0.001	-	-
Sulfur oxides (K value)	0.03	<0.01	0.03	0.01
Nitrogen oxides (ppm)	-	120	-	-

Sampling date	Feb-20	Mar-20		
Dust (g/m ³ N)	<0.001	-		
Sulfur oxides (K value)	0.010	0.04		
Nitrogen oxides (ppm)	130	-		