FY2021 Exhaust gas analysis results of carbonizing equipment and power generation facilities

[Regulation value]

Items	Carbonizing equipment	Power generation facilities
Dust	≤ 0.08 g/m^3N	≤ 0.04 g/ m3N
Sulfur oxides	≤ 8.76 (K value)	≤ 8.76 (K value)
Nitrogen oxides	250 ppm	200 ppm
Hydrogen chloride	700mg/m^3N	-
Dioxins	1 ng-TEQ/m^3N	-
Dioxins (dust)	3 ng-TEQ/ g -dry	-
Mercury	50 μg/m^3N	-

[Measurement value] Carbonizing equipment

Sampling date	May 6	August 11	November 12	February 2
System classification	No. 1 system	No. 2 system	No. 1 system	No. 2 system
Dust (g/m^3N)	0.011	0.024	—	—
Sulfur oxides (K value)	2.1	1.7	—	—
Nitrogen oxides (ppm)	50	90	70	50
Hydrogen chloride (g/m^3N)	6.4	13	6.6	16
Dioxins (ng-TEQ/m^3N)	0.00019	0.0000042	—	—
Dioxins (dust) (ng-TEQ/ g -dry)	0.0016	0	—	—
Mercury (μg/m^3N)	15	18	17	12

[Measurement value] Power generation facilities

Sampling date	May 6	November 4
Dust (g/m3N)	<0.004	—
Sulfur oxides (K value)	0.040	—
Nitrogen oxides (ppm)	110	150