

FY2023 Exhaust gas analysis results of carbonizing equipment and power generation facilities

【Regulation value】

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

【Measurement value】 Carbonizing equipment

Sampling date	5-Jun-23	29-Aug-23	24-Nov-23	9-Feb-24
System classification	No. 1 system	No. 2 system	No. 1 system	No. 2 system
Dust (g/m ³ N)	0.014	0.052	-	-
Sulfur oxides (K value)	1.1	1.8	-	-
Nitrogen oxides (ppm)	120	100	150	75
Hydrogen chloride (g/m ³ N)	4.3	8.0	4.6	3.8
Dioxins (ng-TEQ/m ³ N)	0.0034	0.0041	-	-
Dioxins (dust) (ng-TEQ/g-dry)	0.0023	0.0025	-	-
Mercury ($\mu\text{g}/\text{m}^3\text{N}$)	11	20	12	8.9

【Measurement value】 Power generation facilities

Sampling date	1-May-23	1-Nov-23
Dust (g/m ³ N)	<0.004	-
Sulfur oxides (K value)	0.020	-
Nitrogen oxides (ppm)	23	14