

Kyocera Group Site Information

KYOCERA KINSEKI Chiba Corporation



Profile

Location	2849 Kotoda, Asahi, Chiba
Products manufactured	Man-made crystal products
Number of employees	60
Land area	15,655 m ²
Total floor space	6,071 m ²

Environmental Performance

Items	Units		FY 2006		FY 2007	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Electricity	kWh	kWh/M Yen	1,784,040	2,872	2,150,112	2,687
Fuel (LPG)	kℓ (crude-oil based)	kℓ/M Yen	0.167	0.0002	0	0
CO ₂	t-CO ₂	t-CO ₂ /M Yen	829	1.34	996	1.24
Water	m ³	m ³ /M Yen	2,893	4.66	6,169	7.71
Industrial waste emissions	kg	kg/M Yen	71,915	115.8	126,808	158.5
Effluent	m ³	m ³ /M Yen	525	0.85	4,032	5.04

Comments

The increase in production volume led to an increase in both amount and specific consumption of water and effluent discharge. In spite of the increase in amount for electricity consumption and CO₂ emissions, the increase in production value allowed us to improve in terms of specific consumption per net sales. We reduced our fuel consumption to zero by discontinuing the use of LPG water heaters.

Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY 2007		
					Ave	Max	Measurement frequency
N/A							

Air emission: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
N/A		

Comments

N/A

Water quality (units: mg/ℓ)

Items	Legal standard	Internal criteria	Self-management standard	Performance for FY 2007		
				Ave	Max	Measurement frequency
Hydrogen ion concentration (pH)	5.8~8.6	—	6.0~8.4	7.3	7.5	Twice/daily
Biochemical oxygen demand (BOD)	25	—	10	5.8	9.0	Once/every 2 months
Chemical oxygen demand (COD)	—	—	10	7.6	9.0	Once/every 2 months
Suspended solid (SS)	70	—	15	1.1	2	Once/every 2 months
N-hexane extracts weight	3	—	2	1	1	Once/every 2 months
Phenols content	0.5	—	0.4	N/D	N/D	Once/year
Copper content	3	—	2	4	7	Once/year
Zinc content	2	—	4	0.06	0.06	Once/year
Dissolved iron content	10	—	9	0.07	0.07	Once/year
Dissolved manganese content	10	—	9	0.14	0.14	Once/year
Coliform group number (colonies/ mℓ)	—	—	350	300	300	Once/every 2 months

Water pollution: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
Chemical oxygen demand (COD)	0.003	0.03
Biochemical oxygen demand (BOD)	0.002	0.02

Comments

Less than self-management standards, no incidents exceeded standards.

Bad odors

No incidents exceeded standards.

Noise and vibration

No incidents exceeded standards.

PRTR substances (units: tons)

Number	Substance	Handled amounts	Releases to			Transfers to		Other amounts		
			Air	Water	Soil	Waste	Sewage	Recycled	Consumption	Removed by process
283	Hydrogen fluoride and its water-soluble salts	1.1	0	0	0	1.1	0	0	0	0
	Target chemical substances total	1.1	0	0	0	1.1	0	0	0	0

Comments

Although production for FY2007 increased compared to FY2006, the amounts handled did not increase due to the improvements in productivity.