

# Kyocera Group Site Information

## Kyocera Chemical Corporation Kohriyama Plant



### Profile

Location	2-17 Machiidedai, Kohriyama, Fukushima
Products manufactured	Molding compounds for semiconductor encapsulation
Number of employees	122
Land area	66,000m <sup>2</sup>
Total floor space	17,846m <sup>2</sup>

### Environmental Performance

Items	Units		FY 2006		FY 2007	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Electricity	kWh	kWh/M Yen	4,803,800	1,038	5,419,420	1,153
Fuel (kerosene)	kℓ (crude-oil based)	kℓ/M Yen	323.0	0.070	325.5	0.069
CO <sub>2</sub>	t-CO <sub>2</sub>	t-CO <sub>2</sub> /M Yen	4,610	1.00	5,394	1.15
Water	m <sup>3</sup>	m <sup>3</sup> /M Yen	38,411	8.30	40,308	8.58
Industrial waste emissions	kg	kg/M Yen	383,802	82.92	384,421	81.81
Effluent	m <sup>3</sup>	m <sup>3</sup> /M Yen	—	—	—	—

#### Comments

Our electricity consumption increased due to the newly built refrigerator facility. This also increased CO<sub>2</sub> emissions. We were able to improve on industrial waste emissions on a specific consumption per net sales by implementing our yield improvement program.

### Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY 2007		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm <sup>3</sup> )	Flow-through boiler No. 1	0.3	—	0.1	<0.005	<0.005	Twice/year
	Flow-through boiler No. 2	0.3	—	0.1	<0.005	<0.005	Twice/year
NO <sub>x</sub> (ppm)	Flow-through boiler No. 1	180	—	133	54.5	56.0	Twice/year
	Flow-through boiler No. 2	180	—	133	53.5	54.0	Twice/year
SO <sub>x</sub> (Nm <sup>3</sup> /h)	Flow-through boiler No. 1	1.52	—	0.075	0.013	0.016	Twice/year
	Flow-through boiler No. 2	1.52	—	0.075	0.014	0.017	Twice/year

### Air emission: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
NO <sub>x</sub>	0.78	1.32
SO <sub>x</sub>	0.30	0.34

#### Comments

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

### Water quality

(units: mg/ℓ)

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

### Water pollution: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
N/A	—	—

#### Comments

N/A

### 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
25	Antimony and its composites	77.4	0	0	0	5.9	0	0	71.5	0
144	HCFC-225	5.4	5.4	0	0	0	0	0	0	0
Target chemical substances total		82.8	5.4	0	0	5.9	0	0	71.5	0

#### Comments

In order to reduce and discontinue the use of HCFC-225 contained in mold-removal agents, we experimented with spraying techniques to reduce the handled amount, and we are evaluating product characteristics based on the use of alternative substances to discontinue its use completely. We will continue our efforts to make these substances available for practical use.