

# Kyocera Group Environmental Impact Data

## Kyocera Chemical Corporation Moka Plant



### Profile

Location	6-2, Matsuyama-cho, Moka-shi, Tochigi
Products manufactured	Unsaturated polyester resin molding compounds, molding compounds for semiconductor encapsulation
Number of employees	26
Land area	22,000 m <sup>2</sup>
Total floor space	4,125.7 m <sup>2</sup>

### Environmental Performance

Items	Units		2008年度		FY 2010	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Energy	kℓ (crude oil based)	kℓ/M Yen	133	0.18	153	0.19
CO <sub>2</sub>	t-CO <sub>2</sub>	t-CO <sub>2</sub> /M Yen	186	0.25	239	0.29
Water	m <sup>3</sup>	m <sup>3</sup> /M Yen	2,938	3.97	4,497	5.47
Industrial waste emissions	kg	kg/M Yen	34,890	47.15	44,970	54.67
Effluent	m <sup>3</sup>	m <sup>3</sup> /M Yen	2,938	3.97	4,497	5.47

### Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
					Ave	Max	Measurement frequency
N/A							

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

Items	Total emission	
	FY 2010	FY 2011
N/A		

### Water quality

(units: mg/ℓ)

Items	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
				Ave	Max	Measurement frequency
Hydrogen ion concentration (pH)	5.8~8.6	—	6.3~8.1	7.3	7.5	Once/month
Biochemical oxygen demand (BOD)	160	—	8.3	1.8	4.2	Once/month
Suspended solid (SS)	200	—	4.5	2.3	6.0	Once/month
N-hexane extracts weight	5	—	0.8	< 0.5	< 0.5	Once/month

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

Items	Total emission	
	FY 2010	FY 2011
Chemical oxygen demand (COD)	0	0
Biochemical oxygen demand (BOD)	0.0045	0.0079
Nitrogen	0	0
Phosphorous	0	0

### Bad odors

No incidents exceeded standards.

### Noise and vibration

No incidents exceeded standards.

### PRTR substances

(units: tons)

Number	Substance	Handled amounts	Releases			Transfers to		Other amounts		
			Air	Water	Soil	Waste	Sewage	Recycled	Consumption	Removed by process
240	styrene	2.9	1.4	0.0	0.0	1.5	0.0	0.0	0.0	0.0
	Target chemical substances total	2.9	1.4	0.0	0.0	1.5	0.0	0.0	0.0	0.0