

# Kyocera Group Environmental Impact Data

## Kyocera Mita Corporation Hirakata Plant



### Profile

Location	1-38-12 Tsudakitamachi, Hirakata-shi, Osaka
Products manufactured	Multifunction peripherals, supplies
Number of employees	275
Landarea	46,018m <sup>2</sup>
Total floor space	60,304m <sup>2</sup>

### Environmental Performance

Items	Units		FY 2010		FY 2011	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Energy	kℓ (crudeoil based)	kℓ/M Yen	3,427	0.30	3,154	0.31
CO <sub>2</sub>	t-CO <sub>2</sub>	t-CO <sub>2</sub> /M Yen	5,095	0.44	3,837	0.37
Water	m <sup>3</sup>	m <sup>3</sup> /M Yen	40,286	3.51	38,662	3.74
Industrial waste emissions	kg	kg/M Yen	202,872	17.68	168,985	16.36
Effluent	m <sup>3</sup>	m <sup>3</sup> /M Yen	32,667	2.85	29,865	2.89

### Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
					Ave	Max	Measurement frequency
NOx (ppm)	Gas boiler No. 1	150	—	40	19	19	Twice/year
	Gas boiler No. 2	150	—	27	20	23	Twice/year
	Gas water cooler and heater AR-1	150	—	44	26	26	Twice/year
	Gas water cooler and heater AR-2	150	—	36	21	21	Twice/year

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

Items	Total emission	
	FY 2010	FY 2011
NOx	0.25	0.21
SOx	0	0

### 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	—	6.4~8.1	7.5	7.8	Once/month
Biochemical oxygen demand (BOD)	35	—	25	5.0	9.6	Once/month
Chemical oxygen demand (COD)	35	—	14	4.2	7.3	Once/month
Suspended solid (SS)	70	—	10	2.7	5.6	Once/month
N-hexane extracts weight	4	—	1.6	0.7	1.4	Once/month
Coliform group number (colonies/ mℓ)	3,000	—	6	0	0	Once/month

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

Items	Total emission	
	FY 2010	FY 2011
Chemical oxygen demand (COD)	0.19	0.13
Biochemical oxygen demand (BOD)	0.32	0.15
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
30	n-alkylbenzenesulfonic acid and its salts (alkyl C=10-14)	4.1	0.0	0.0	0.0	0.2	0.0	0.0	3.9	0.0
31	antimony and its compounds	1.1	0.0	0.0	0.0	0.1	0.0	0.0	1.0	0.0
412	manganese and its compounds	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0
Target chemical substances total		8.4	0.0	0.0	0.0	0.3	0.0	0.0	8.1	0.0