

# Kyocera Group Site Information

## Kyocera Corporation Fukushima Tanakura Plant



### Profile

Location	88 Nakatoyo, Nagare, Tanakura-cho, Higashishirakawa-gun, Fukushima
Products manufactured	Telecommunications equipment
Number of employees	309
Land area	19,787 m <sup>2</sup>
Total floor space	11,741 m <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	4,116,320	100.2	4,396,137	149.8
Fuel (LPG, A heavy oil, kerosene, diesel fuel)	kℓ (crude-oil based)	kℓ/M Yen	22	0.0005	19	0.0007
CO <sub>2</sub>	t-CO <sub>2</sub>	t-CO <sub>2</sub> /M Yen	2,030	0.049	2,150	0.073
Water	m <sup>3</sup>	m <sup>3</sup> /M Yen	8,980	0.22	8,571	0.29
Industrial waste emissions	kg	kg/M Yen	36,350	0.88	27,575	0.94
Effluent	m <sup>3</sup>	m <sup>3</sup> /M Yen	—	—	—	—

#### Comments

Electricity consumption increased compared to FY2006 in terms of both absolute volume and specific consumption due to the additional SMT installations and higher rate of operation of our compressors. The increase in electricity consumption led to the increase of CO<sub>2</sub> emissions. Meanwhile, we reduced the amount compared to FY2006 for fuel and water consumption and industrial waste disposals by engaging in improvement activities but our specific consumption increased due to the decrease in manufacturing volume per net sales.

### 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> )	New heavy oil boiler	0.3	0.24	0.01	<0.005	<0.005	Once/year
NOx (ppm)	New heavy oil boiler	260	144	110	100	100	Once/year
SOx (Nm <sup>2</sup> /h)	New heavy oil boiler	1.4	1.1	0.88	0.03	0.03	Once/year

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

Items	Total emission	
	FY 2006	FY 2007
NOx	0.087	0.081
SOx	0.047	0.048

#### 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
Hydrogen ion concentration (pH)	—	—	6.3~8.1	6.95	7	Once/month
Biochemical oxygen demand (BOD)	—	—	15	6.92	13	Once/month
Chemical oxygen demand (COD)	—	—	20	11.8	17.0	Once/month
Suspended solid (SS)	—	—	17	9.08	16	Once/month
N-hexane extracts weight	—	—	0.9	0	0	Once/month
Coliform group number (colonies/ mL)	—	—	46	0	0	Once/month

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

Items	Total emission	
	FY 2006	FY 2007
Chemical oxygen demand (COD)	0.072	0.062
Biochemical oxygen demand (BOD)	0.037	0.036

#### 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	
N/A			—								

#### Comments

N/A