

Kyocera Group Site Information

Kyocera Corporation Hokkaido Kitami Plant



Profile

Location	30 Houji, Kitami, Hokkaido
Products manufactured	Mobile phones
Number of employees	583
Land area	40,404m ²
Total floor space	27,377m ²

Environmental Performance

Items	Units		FY 2006		FY 2007	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Electricity	kWh	kWh/M Yen	9,871,740	131.5	10,350,900	97.4
Fuel (LPG, A heavy oil, kerosene, diesel fuel, gasoline)	kℓ (crude-oil based)	kℓ/M Yen	432	0.006	403	0.004
CO ₂	t-CO ₂	t-CO ₂ /M Yen	6,283	0.080	6,453	0.061
Water	m ³	m ³ /M Yen	43,096	0.57	44,884	0.42
Industrial waste emissions	kg	kg/M Yen	165,265	2.20	213,141	2.01
Effluent	m ³	m ³ /M Yen	21,651	0.290	30,635	0.288

Comments

The absolute volume compared to FY2006 increased but due to an increase in production volume (by cost), our performance improved in terms of specific consumption per net sales. We continue to reduce our fuel consumption by continuing with the measures started in FY2006 such as the installation of AHU timers on air conditioners and human-presence sensors to turn unused air-conditioning off. We also changed humidifiers from steam-based to mist spraying models. We made an effort to reduce emissions of industrial waste by wastewater treatment processes to waste fluids, and converting IPA waste fluids and electrical wires into products with value. We also reduced water consumption by cleaning ceramic plates with RO discharged water.

Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY 2007		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm ³)	Steam boiler No. 1	0.3	0.24	0.05	0.0075	0.008	Twice/year
	Steam boiler No. 2	0.3	0.24	0.03	0.009	0.02	Twice/year
	Vacuum water heater No. 1	0.3	0.24	0.1	0.0215	0.024	Twice/year
NOx (ppm)	Steam boiler No. 1	180	144	130	81.5	88.0	Twice/year
	Steam boiler No. 2	180	144	130	89.0	107.0	Twice/year
	Vacuum water heater No. 1	180	144	100	57.0	61.0	Twice/year
SOx (Nm ³ /h)	Steam boiler No. 1	7.3	5.8	5.2	0.0585	0.069	Twice/year
	Steam boiler No. 2	7.2	5.8	5.2	0.033	0.059	Twice/year
	Vacuum water heater No. 1	3.1	2.4	2.2	0.1325	0.189	Twice/year

Air emission: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
NOx	0.31	0.36
SOx	1.35	1.17

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)	5.8~8.6	6.2~8.2	6.6~7.8	7.4	7.7	9 times/month
Biochemical oxygen demand (BOD)	120	10	9	2.0	3.4	8 times/month
Chemical oxygen demand (COD)	120	10	9	3.9	6.0	9 times/month
Suspended solid (SS)	200	5	4	0.5	3.0	9 times/month
N-hexane extracts weight	5	1	<1	<1	<1	Once/year
Phenols content	5	0.5	<0.4	<0.2	<0.2	Once/year
Copper content	3	1	<0.1	<0.005	<0.005	Once/year
Zinc content	2	1	<0.3	0.01	0.01	Once/year
Dissolved iron content	10	5	<0.1	<0.02	<0.02	Once/year
Dissolved manganese content	10	5	<0.3	<0.01	<0.01	Once/year
Coliform group number (colonies/ mℓ)	3,000	350	<100	<100	<100	Once/year
Nitrogen content	60	60	<2	0.91	0.91	Once/year
Phosphorous content	8	8	<0.2	0.011	0.011	Once/year

Water pollution: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
Chemical oxygen demand (COD)	0.087	0.119
Biochemical oxygen demand (BOD)	0.054	0.062
Nitrogen	0.015	0.028
Phosphorous	0.0004	0.0003

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