Kyocera Group Site Information

Kyocera Corporation Hokkaido Kitami Plant

Profile

Location	30 Houji, Kitami-shi, Hokkaido
Products manufactured	Mobile phones
Number of employees	552
Land area	74,117 m²
Total floor space	27,422 m²

Environmental Performance

Items	Units		FY 2008		FY 2009	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Electricity	kWh	kWh/M Yen	10,466,700	108	9,222,900	164
Fuel (diesel fuel, kerosene, A heavy oil, gasoline, LPG)	kℓ (crude-oil based)	kℓ/M Yen	319	0.0033	281	0.0050
CO_2	t-CO_2	t-CO_2/M Yen	6,290	0.065	5,196	0.092
Water	m³	m³/M Yen	43,749	0.45	33,605	0.60
Industrial waste emissions	kg	kg/M Yen	174,578	1.80	186,553	3.32
Effluent	m³	m³/M Yen	26,731	0.28	15,398	0.27

Comments

Electricity consumption was reduced by adjustment of sintering temperature and miniaturization of compressors.
Fuel consumption was reduced by adjustment of operating boilers, but it per net sales (the amount / million Yen) was got worse by production decrease.
The amount of industrial wastes discharge was increased by a breakdown of an internal disposal device.

Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY2009		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm³)	Steam boiler No. 1	0.3	0.24	0.05	0.013	0.016	Twice/year
	Steam boiler No. 2	0.3	0.24	0.03	0.015	0.016	Twice/year
	Vacuum water heater No. 1	0.3	0.24	0.1	0.037	0.055	Twice/year
NOx (ppm)	Steam boiler No. 1	180	144	130	45. 5	47.0	Twice/year
	Steam boiler No. 2	180	144	130	62. 0	71.0	Twice/year
	Vacuum water heater No. 1	180	144	100	53. 5	74.0	Twice/year
SOx (K value)	Steam boiler No. 1	17.5	14	1	0.160	0.290	Twice/year
	Steam boiler No. 2	17.5	14	1	0.085	0.140	Twice/year
	Vacuum water heater No. 1	17.5	14	5	0.245	0.440	Twice/year

Air emission: total impact (units: tons)

Items	Total emission	
	FY 2008	FY 2009
NOx	0.18	0.19
SOx	0.69	0.73

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 FY2009		
				Ave	Max	Measurement frequency
Hydrogen ion concentration (pH)	5.8~8.6	6.2~8.2	6.6~7.8	7.2	7.8	17 times/month
Biochemical oxygen demand (BOD)	120	10	9	3.2	6.4	10 times/month
Chemical oxygen demand (COD)	120	10	9	4.4	7.6	17 times/month
Suspended solid (SS)	200	5	4	0.8	2.8	17 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	0.5	<0.3	0.01	0.01	Once/year
Dissolved iron content	10	5	<0.1	0.07	0.07	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	0.6	0.6	Once/year
Phosphorous content	8	8	<0.2	0.01	0.01	Once/year

Water pollution: total impact (units: tons)

Items	Total emission	
	FY 2008	FY 2009
Chemical oxygen demand (COD)	0.12	0.07
Biochemical oxygen demand (BOD)	0.06	0.05
Nitrogen	0.02	0.01
Phosphorous	0.0004	0.0002

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