Kyocera Group Environmental Impact Data

Kyocera Corporation Hokkaido Kitami Plant

Profile

Location	30 Houji, Kitami - shi, Hokkaido
Products manufactured	Mobile phones
Number of employees	526
Landarea	74,117 m²
Total floor space	27,332 m²

Environmental Performance

Items	Units		FY2010		FY2011	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Energy	kℓ (crudeoil based)	kℓ/M Yen	2,538	0.037	2,666	0.029
CO_2	t-CO_2	t-CO_2/M Yen	4,998	0.07	4,848	0.05
Water	m³	m³/M Yen	34,980	0.5	33,945	0.4
Industrial waste emissions	kg	kg/M Yen	110,933	1.6	129,744	1.4
Effluent	m³	m³/M Yen	22,570	0.33	18,068	0.20

Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm³)	Steam boiler No. 1	0.3	0.24	0.05	0.052	0.079	Twice/year
	Steam boiler No. 2	0.3	0.24	0.03	0.022	0.027	Twice/year
	Vacuum water heater No. 1	0.3	0.24	0.1	0.008	0.009	Twice/year
Nox (ppm)	Steam boiler No. 1	180	144	112	52	57	Twice/year
	Steam boiler No. 2	180	144	117	47	49	Twice/year
	Vacuum water heater No. 1	180	144	100	63	64	Twice/year
Sox (K value)	Steam boiler No. 1	17.5	14	1	0.37	0.39	Twice/year
	Steam boiler No. 2	17.5	14	1	0.13	0.16	Twice/year
	Vacuum water heater No. 1	17.5	14	4.9	0.40	0.44	Twice/year

Air emission: total impact (units: tons)

Items	Total emission	
	FY2010	FY2011
NOx	0.28	0.27
SOx	0.87	2.35

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	6.2~8.2	6.6~7.8	7.4	7.8	17 times/month
Biochemical oxygen demand (BOD)	120	10	9	2.7	6.4	10 times/month
Chemical oxygen demand (COD)	120	10	9	4.2	7.8	17 times/month
Suspended solid (SS)	200	5	4.5	0.5	2.7	17 times/month
N-hexane extracts weight	5	1	<1	0.5	0.5	Once/year
Phenols content	5	0.5	<0.4	0.025	0.025	Once/year
Copper content	3	1	<0.1	0.005	0.005	Once/year
Zinc content	2	1	<0.3	0.005	0.005	Once/year
Dissolved iron content	10	5	<0.1	0.025	0.025	Once/year
Dissolved manganese content	10	5	<0.3	0.005	0.005	Once/year
Coliform group number (colonies/ mℓ)	3,000	350	<100	0.000	0.000	Once/year
Nitrogen content	60	60	<2	0.7	0.7	Once/year
Phosphorous content	8	8	<0.2	0.015	0.015	Once/year

Water pollution:total impact (units: tons)

Items	Total emission	
	FY2010	FY2011
Chemical oxygen demand (COD)	0.100	0.08
Biochemical oxygen demand (BOD)	0.062	0.049
Nitrogen	0.016	0.013
Phosphorous	0.0014	0.0005

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
N/A	—									