Kyocera Group Environmental Impact Data

KYOCERA KINSEKI Yamagata Corporation

Profile

Location	5850 Higashine-koh, Higashine-shi, Yamagata
Products manufactured	Crystal units, crystal oscillators, crystal filters, industrial components
Number of employees	465
Landarea	69,332 m^2
Total floor space	35,214 m^2

Environmental Performance

Items	Units		FY 2010		FY 2011	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Energy	kℓ (crudeoil based)	kℓ/M Yen	5,905	0.78	6,048	0.71
CO_2	t-CO_2	t-CO_2/M Yen	10,679	1.41	11,489	1.36
Water	m^3	m^3/M Yen	67,969	8.99	77,737	9.18
Industrial waste emissions	kg	kg/M Yen	166,025	22.0	281,617	33
Effluent	m^3	m^3/M Yen	16,758	2.22	31,148	3.68

Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm^3)	Sectional boiler (MF5-N7SA)	0.30	—	0.2	0.005	0.006	Twice/year
	Multi-tube flow-through boiler (AI-1000H)	0.30	—	0.2	0.053	0.100	Twice/year
NOx (ppm)	Sectional boiler (MF5-N7SA)	180	—	60	51	54	Twice/year
	Multi-tube flow-through boiler (AI-1000H)	180	—	60	58	58	Twice/year
SOx (Nm^3/h)	Sectional boiler (MF5-N7SA)	4.94	—	0.4	0.02	0.02	Twice/year
	Multi-tube flow-through boiler (AI-1000H)	4.94	—	0.4	0.02	0.02	Twice/year

Air emission: total impact (units: tons)

Items	Total emission	
	FY 2010	FY 2011
NOx	0.089	0.090
SOx	0.198	0.079

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	—	6.3~8.1	7.4	8.1	Once/month
Biochemical oxygen demand (BOD)	25	—	23	9.6	22.0	Once/month
Suspended solid (SS)	60	—	13	1.7	8.0	Once/month
N-hexane extracts weight	5	—	0.9	<0.5	<0.5	Once/month
Phenols content	5	—	0.45	<0.04	<0.04	Once/year
Copper content	1	—	0.09	<0.01	<0.01	Once/year
Zinc content	2	—	0.45	<0.005	<0.005	Once/year
Dissolved iron content	10	—	0.45	0.04	0.04	Once/year
Dissolved manganese content	5	—	0.7	<0.01	<0.01	Once/year
Phosphorous content	1	—	0.09	<0.01	<0.01	Once/year

Water pollution:total impact (units: tons)

Items	Total emission	
	FY 2010	FY 2011
Chemical oxygen demand (COD)	0.00	0.00
Biochemical oxygen demand (BOD)	0.089	0.300
Nitrogen	0.00	0.00
Phosphorous	0.0002	0.0003

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
374	hydrogen fluoride and its water-soluble salts	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
438	methylnaphthalene	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Target chemical substances total		6.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	2.0