


# Kyocera Group Environmental Impact Data

## KYOCERA KINSEKI Hokkaido Corporation Mikasa Plant



### Profile

Location	219-1 Higashi Kiyozumi-cho, Mikasa-shi, Hokkaido
Products manufactured	Low pass filters, crystal oscillators
Number of employees	43
Landarea	50,000m <sup>2</sup>
Total floor space	7,255m <sup>2</sup>

### Environmental Performance

Items	Units		FY 2010		FY 2011	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Energy	kℓ (crudeoil based)	kℓ/M Yen	2,333	0.45	2,299	2.40
CO <sub>2</sub>	t-CO <sub>2</sub>	t-CO <sub>2</sub> /M Yen	4,491	0.87	4,009	4.19
Water	m <sup>3</sup>	m <sup>3</sup> /M Yen	47,189	9.19	32,939	34.42
Industrial waste emissions	kg	kg/M Yen	80,336	15.6	89,521	93.5
Effluent	m <sup>3</sup>	m <sup>3</sup> /M Yen	47,189	9.19	32,939	34.42

### Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm <sup>3</sup> )	Boiler in No. 1 machine room	0	—	0.2	0.001	0.001	Twice/year
	Boiler in No. 3 machine room	0	—	0.2	0.001	0.001	Twice/year
	Boiler in No. 5 machine room	0	—	0.2	0.001	0.001	Twice/year
NO <sub>x</sub> (ppm)	Boiler in No. 1 machine room	180	—	150	83	85	Twice/year
	Boiler in No. 3 machine room	260	—	150	76	79	Twice/year
	Boiler in No. 5 machine room	260	—	150	61	62	Twice/year
SO <sub>x</sub> (Nm <sup>3</sup> /h)	Boiler in No. 1 machine room	1.5	—	1	<1	<1	Twice/year
	Boiler in No. 3 machine room	1.3	—	1	<1	<1	Twice/year
	Boiler in No. 5 machine room	1.8	—	1	<1	<1	Twice/year

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

Items	Total emission	
	FY 2010	FY 2011
NO <sub>x</sub>	2.15	2.48
SO <sub>x</sub>	0.042	0.024

### 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	—	6.1~8.3	7.4	7.4	Once/year
Biochemical oxygen demand (BOD)	160	—	144	4.4	4.4	Once/year
Chemical oxygen demand (COD)	160	—	144	7.9	7.9	Once/year
Suspended solid (SS)	200	—	150	12.0	12.0	Once/year
N-hexane extracts weight	5	—	4.5	1.0	1.0	Once/year

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

Items	Total emission	
	FY 2010	FY 2011
Chemical oxygen demand (COD)	0.35	0.26
Biochemical oxygen demand (BOD)	0.25	0.14
Nitrogen	0.01	0.35
Phosphorous	0.01	0.04

### 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			—								