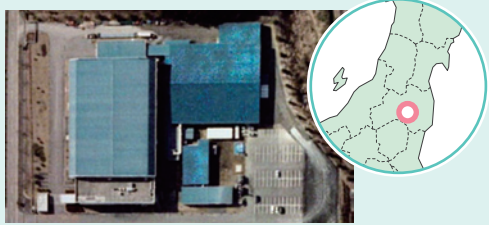


# Kyocera Group Environmental Impact Data

## Kyocera Chemical Corporation Kohriyama Plant



### Profile

Location	2-17 Machiidedai, Kohriyama-shi, Fukushima
Products manufactured	Epoxy resin molding compounds for semiconductor encapsulation
Number of employees	89
Landarea	66,000m <sup>2</sup>
Total floor space	17,845m <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	1,587	0.35	1,619	0.29
CO <sub>2</sub>	t-CO <sub>2</sub>	t-CO <sub>2</sub> /M Yen	4,891	1.07	3,125	0.56
Water	m <sup>3</sup>	m <sup>3</sup> /M Yen	47,418	10.34	32,135	5.72
Industrial waste emissions	kg	kg/M Yen	306,290	66.8	363,520	64.7
Effluent	m <sup>3</sup>	m <sup>3</sup> /M Yen	—	—	—	—

### 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> )	Flow-through boiler No.1	0.3	—	0.1	0.005	0.005	Twice/year
	Flow-through boiler No.2	0.3	—	0.1	0.005	0.005	Twice/year
NO <sub>x</sub> (ppm)	Flow-through boiler No.1	180	—	133	43	45	Twice/year
	Flow-through boiler No.2	180	—	133	47	49	Twice/year
SO <sub>x</sub> (Nm <sup>3</sup> /h)	Flow-through boiler No.1	1.5	—	0.075	0.010	0.010	Twice/year
	Flow-through boiler No.2	1.5	—	0.075	0.010	0.010	Twice/year

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

Items	Total emission	
	FY 2010	FY 2011
NO <sub>x</sub>	1.60	1.15
SO <sub>x</sub>	0.38	0.04

### Water quality

(units: mg/ℓ)

Items	Legal standard	Internal criteria	Self-management standard	Performance for FY2011		
				Ave	Max	Measurement frequency
N/A				—		

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

Items	Total emission	
	FY 2010	FY 2011
N/A		—

### 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
31	antimony and its compounds	46.8	0.0	0.0	0.0	2.8	0.0	0.0	44.0	0.0
80	xylene	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
185	dichloropentafluoropropane; HCFC-225	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
296	1,2,4-trimethylbenzene	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0
461	triphenyl phosphate	1.1	0.0	0.0	0.0	0.1	0.0	0.0	1.1	0.0
Target chemical substances total		59.8	7.1	0.0	0.0	2.9	0.0	0.0	49.8	0.0