

Kyocera Group Site Information

Kyocera Chemical Corporation Kawasaki Plant



Profile

Location	9-2, Chidori-cho, Kawasaki-ku, Kawasaki, Kanagawa
Products manufactured	Development and manufacture of electronic component related materials such as electrical insulation materials (casting resin, insulating varnishes, etc.), printed circuit board materials, functional materials
Number of employees	153
Land area	28,315m ²
Total floor space	15,176m ²

Environmental Performance

Items	Units		FY 2006		FY 2007	
	Amount	Specific consumption	Amount	Specific consumption	Amount	Specific consumption
Electricity	kWh	kWh/M Yen	3,812,887	648.2	4,058,059	585.4
Fuel (natural gas, LPG)	kℓ (crude-oil based)	kℓ/M Yen	1,092	0.19	1,094	0.16
CO ₂	t-CO ₂	t-CO ₂ /M Yen	3,412	0.58	4,024	0.58
Water	m ³	m ³ /M Yen	32,666	5.55	32,579	4.70
Industrial waste emissions	kg	kg/M Yen	367,262	62.43	379,410	54.74
Effluent	m ³	m ³ /M Yen	35,462	6.03	23,725	3.42

Comments

The amount increased for most items due to the increase in production volume but due to the increase in sales volume, we improved in terms of specific consumption per net sales.

Air related

Items	Facility	Legal standard	Internal criteria	Self-management standard	Performance for FY 2007		
					Ave	Max	Measurement frequency
Soot and dust (g/Nm ³)	Flow-through boiler No. 1 to No. 3	0.1	—	0.007	0.001	0.002	Twice/year
	SK boiler	0.1	—	0.007	0.001	0.002	Twice/year
	Deodorizing furnace	0.1	—	0.007	0.006	0.007	Twice/year
NO _x (ppm)	Flow-through boiler No. 1 to No. 3	150	—	50	32	46.0	Twice/year
	SK boiler	150	—	86	49.5	55.0	Twice/year
	Deodorizing furnace	150	—	93	30.0	38.0	Twice/year
SO _x (Nm ³ /h)	N/A			—			

Air emission: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
NO _x	1.58	1.49
SO _x	N/A	

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 FY 2007		
				Ave	Max	Measurement frequency
Hydrogen ion concentration (pH)	5.8~8.6	—	6.2~8.2	7.42	7.8	Once/month
Biochemical oxygen demand (BOD)	60	—	54	33.17	42.0	Once/month
Chemical oxygen demand (COD)	60	—	54	15.60	17.0	Once/month
Suspended solid (SS)	90	—	81	6.90	9.7	Once/month
N-hexane extracts weight	5	—	<1	<1	<1	Once/month
Phenols content	0.5	—	0.02	<0.02	<0.02	Once/month
Copper content	3	—	0.01	<0.01	<0.01	Once/month
Zinc content	—	—	—	0.08	0.1	Once/year
Dissolved iron content	—	—	—	0.10	0.1	Once/year
Dissolved manganese content	—	—	—	0.05	0.1	Once/year
Coliform group number (colonies/ mℓ)	—	—	—	225	225	Once/year
Nitrogen content	60	—	54	7.03	12.5	Once/month
Phosphorous content	8	—	7.2	0.40	0.9	Once/month

Water pollution: total impact (units: tons)

Items	Total emission	
	FY 2006	FY 2007
Chemical oxygen demand (COD)	0.32	0.37
Biochemical oxygen demand (BOD)	0.94	0.79
Nitrogen	0.17	0.17
Phosphorous	0.014	0.009

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
63	Xylene	251.3	0.4	0	0	42.1	0	0	208.8	0
64	Silver and its water-soluble compounds	4.2	0	0	0	0	0	0.1	4.1	0
100	Cobalt and its composites	1.0	0	0	0	0	0	0	1.0	0
266	Phenol	85.2	0	0	0	2.0	0	0	83.2	0
Target chemical substances total		341.7	0.4	0	0	44.1	0	0.1	297.1	0

Comments

Handled amount of silver and its water-soluble compounds, which are used as materials for electric conductive pastes, increased as the production expansion. Reduction of handled amount of xylene, phenol, and cobalt and its compounds, which are used as materials for insulating varnishes, is intended with development of low-VOC materials and sales expansion of global environmentally friendly product.