

Toyobo co.,ltd. Research Center

Location

1-1, Katata 2-chome, Otsu-shi, Shiga-ken, 520-0292 Japan

Air (Air pollution prevention laws, regulations and agreements)

(Figures from 1 main facility)

Item	Facility (Boiler No.)	Max. value by law		Measured value	
		Concentration (ppm)	Total (Nm ³ /h)	Concentration (ppm)	Total (Nm ³ /h)
SOx	No.1	—		35	
NOx	No.1	250		113	
		Concentration (g/Nm ³)		Concentration (g/Nm ³)	
Soot and dust	No.1	0.15		0.00	

Water (Water pollution prevention laws, regulations and agreements)

(Figures from main wastewater outlet)

Item		Max. value by law		Measured value	
		Average value	Max. value	Average value	Max. value
BOD	Concentration (ppm)	40	120	3	9
	Load (Kg/D)	—	—	—	—
COD	Concentration (ppm)	40	120	4	10
	Load (Kg/D)	—	—	—	—
SS	Concentration (ppm)	70	150	Less than 1	1
	Load (Kg/D)	—	—	—	—

Note · "Maximum value by law" refers to values in laws, regulations or agreements.

· "-" represents items not covered by laws and regulations or items where there was no actual measured value.

Energy (Converted to crude oil)

Energy used (KL)	10,051
Water used (Km ³)	2,009

Waste (Unit: tons)

Amount released externally	448
Amount reused	216
Amount buried	122
Amount disposed of	0

Note · Amount reused includes thermal recycling

Total emission impact (Converted to carbon dioxide)

Wastewater (Km ³)	1,290
COD (tons)	7
CO ₂ (tons)	18,393
NOx (tons)	10
SOx (tons)	4

Chemicals (PRTR chemicals)

(Unit: tons)

Chemicals	Amount released	Amount transferred
Acetonitrile	0	0
Ethylene glycol	0	0
Chloroform	0	1
Toluene	0	0
Dioxins	0	1

Note · Table shows only substances of which at least 1 ton/year was handled.

· Decimals of 5 and over are rounded up.

· Unit is tons (Only dioxins are mg-TEQ)