

Toyobo co.,ltd. Tsuruga Center

Location

10-24, Toyo-cho, Tsuruga-shi, Fukui-ken, 914-8550 Japan

Products

Synthetic fabric, film, biotechnology-related products

Air (Air pollution prevention laws, regulations and agreements)

(Figures from 3 main facilities)

Item	Facility (Boiler No.)	Max. value by law		Measured value	
		Concentration (ppm)	Total (Nm ³ /h)	Concentration (ppm)	Total (Nm ³ /h)
SOx	No. 2	—	32.66	360	7.8
	No. 6	416	91.98	360	25
	No. 7	324		300	21
NOx	No. 2	230	—	200	—
	No. 6	230	—	160	—
	No. 7	200	—	160	—
		Concentration (g/Nm ³)		Concentration (g/Nm ³)	
Soot and dust	No. 2	0.25		0.03	
	No. 6	0.15		0.03	
	No. 7	0.12		0.01	

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)	30	40	4	18
	Load (Kg/D)	—	1,758	69	272
COD	Concentration (ppm)	30	40	14	30
	Load (Kg/D)	—	1,998	533	1,125
SS	Concentration (ppm)	70	90	4	13
	Load (Kg/D)	—	2,916	79	283

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)	143,366
Water used (Km ³)	26,952

Waste (Unit: tons)

Amount released externally	16,853
Amount reused	16,731
Amount buried	1,220
Amount disposed of	0

Note · Amount reused includes thermal recycling

Total emission impact (Converted to carbon dioxide)

Wastewater (Km ³)	27,533
COD (tons)	195
CO ₂ (tons)	409,449
NOx (tons)	420
SOx (tons)	1,241

Chemicals (PRTR chemicals)

(Unit: tons)

Chemicals	Amount released	Amount transferred
Acetaldehyde	9	0
Antimony or antimony compounds	0	0
Ethylene glycol	148	0
Ethylene diamine	0	0
ε-caprolactam	7	0
Chlorobenzene	0	0
Chloroform	0	1
1,4-dioxane	2	0
Cyclohexylamin	0	0
Terephthalic acid	0	0
Terephthalic acid dimethyl	0	0
Copper water-soluble salt (except complex salt)	0	0
Boron and its compounds	1	0
Polyoxyethylene alkyl ether	0	0
Formaldehyde	3	0
Dioxins	0	23

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)