

# Toyobo co.,Ltd. Iwakuni Plant

## Location

1-1, Nada-machi, Iwakuni-shi, Yamaguchi-ken, 740-8567 Japan

## Products

Synthetic fabric, hollow fiber-type reverse osmosis membrane

### Air (Air pollution prevention laws, regulations and agreements)

(Figures from 2 main facilities)

Item	Facility (Boiler No.)	Max. value by law		Measured value	
		Concentration (ppm)	Total (Nm <sup>3</sup> /h)	Concentration (ppm)	Total (Nm <sup>3</sup> /h)
SOx	No. 5	—	30.5	—	12
	No. 6	—	25.9	—	20
NOx	No. 5	210	—	190	—
	No. 6	300	—	210	—
		Concentration (g/Nm <sup>3</sup> )		Concentration (g/Nm <sup>3</sup> )	
Soot and dust	No. 5	0.18		0.02	
	No. 6	0.2		0.12	

### Water (Water pollution prevention laws, regulations and agreements)

(Figures from main wastewater outlets)

Item		Max. value by law		Measured value	
		Average value	Max. value	Average value	Max. value
BOD	Concentration (ppm)	—	—	—	—
	Load (Kg/D)	—	—	—	—
COD	Concentration (ppm)	48	65	19	50
	Load (Kg/D)	—	2,508	1,573	2,454
SS	Concentration (ppm)	30	40	4	10
	Load (Kg/D)	—	7,000	359	760

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)	69,255
Water used (Km <sup>3</sup> )	34,669

### Waste (Unit: tons)

Amount released externally	11,255
Amount reused	10,197
Amount buried	0
Amount disposed of	1,058

Note · Amount reused includes thermal recycling

### Total emission impact (Converted to carbon dioxide)

Wastewater (Km <sup>3</sup> )	34,288
COD (tons)	573
CO <sub>2</sub> (tons)	212,331
NOx (tons)	304
SOx (tons)	796

### Chemicals (PRTR chemicals)

(Unit: tons)

Chemicals	Amount released	Amount transferred
Acetaldehyde	21	0
Antimony or antimony compounds	0	0
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0	0
4,4-isopropylidenediphenol 1-chloro-2	0	0
Ethylene glycol	87	7
ε-caprolactam	0	0
Xylene	0	0
Terephthalic acid	0	0
Terephthalic acid dimethyl	0	0
Trimethyl benzene	0	0
Toluene	0	0
Hexamethylene-diisocyanate	0	0
1,2,4-benzenetricarboxylic 1,2-anhydride	0	0
Polyoxyethylene alkyl ether	3	0
Phthalic anhydride	0	0
Dioxins	0	5

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)