

SOUTH AMERICA

YKK DO BRASIL LTDA.

Country:	BRAZIL
Location:	Sorocaba, São Paulo
Business area(s):	Manufacture of fasteners, S&B and T&P
Number of employees:	443
Land area:	247,100 m ²
Total built area:	62,400 m ²
ISO 14001 certification date:	Mar. 27, 2002

< 2007 fiscal year environmental impact data >

Amount of electric power used	14,705,000 kWh
Amount of fossil fuel used	43,624 GJ
Amount of CO ₂ emitted	7,843 t
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Total amount of waste products emitted	573 t
Amount of recycled material	138 t
Recycling rate	24.1%
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Amount of copy paper used	2.7 t
Amount of water used	314,400 m ³

Water discharge standards	Unit	Legal standards	State standards	Voluntary management standards	Measured values
BOD	mg/l	NE	NE	60	59
Oil	mg/l	50	100	50	1.0
pH	-	5.0-9.0	5.0-9.0	5.0-9.0	7.5
Cadmium (Cd)	mg/l	0.2	0.2	0.20	0.010
Cyanide (CN)	mg/l	0.2	0.2	0.03	0.014
Hexavalent chromium (Cr VI)	mg/l	NE	0.1	0.1	0.011
Copper (Cu)	mg/l	1	1	1	0.6
Lead (Pb)	mg/l	0.5	0.5	0.5	0.5
Nickel (Ni)	mg/l	2	2	2	0.74
Zinc (Zn)	mg/l	5	5	5	0.11
Selenium (Se)	mg/l	0.3	0.02	0.02	0.01
Tin (Sn)	mg/l	4	4	4	2.0
Water discharge destination	River				

● Leaks, discharge accidents, legal violations, etc.

None

● Topics

- We held environmental seminars for kindergarteners in the city.

SOUTH AMERICA

YKK ARGENTINA S.A.

Country: ARGENTINA
 Location: Pilar
 Business area(s): Fastener manufacture
 Number of employees: 87
 Land area: 39,500 m²
 Total built area: 7,700 m²
 ISO 14001 certification date: Dec. 4, 2004

< 2007 fiscal year environmental impact data >

Amount of electric power used	1,267,000 kWh
Amount of fossil fuel used	11,626 GJ
Amount of CO ₂ emitted	1,052 t
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Total amount of waste products emitted	60 t
Amount of recycled material	49 t
Recycling rate	81.0%
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Amount of copy paper used	1.7 t
Amount of water used	50,000 m ³

Water discharge standards	Unit	Legal standards	Applicable standards	Measured values
BOD	mg/l	50	50	33.0
COD	mg/l	250	250	150
Oil	mg/l	50	50	32.9
pH	-	6.5-10	6.5-10	7.37
Cadmium (Cd)	mg/l	0.1	0.1	0.00
Cyanide (CN)	mg/l	0.1	0.1	0.03
Hexavalent chromium (Cr VI)	mg/l	0.2	0.2	0.02
Nitrogen (N)	mg/l	35	35	7.1
Phosphorus (P)	mg/l	1	1	2.18
Copper (Cu)	mg/l	1	1	0.11
Lead (Pb)	mg/l	0.1	0.1	0.00
Nickel (Ni)	mg/l	2	2	0.11
Zinc (Zn)	mg/l	2	2	0.13
Selenium (Se)	mg/l	0.1	0.1	0.01
Water discharge destination	River			

● Leaks, discharge accidents, legal violations, etc.

The phosphorus level in the wastewater exceeded the standard, so we hired a consulting firm to perform an investigation. We are currently looking into treating the wastewater upstream.