

# Pursuing Consistent, High-level Environmental Management Worldwide

## PHILIPPINES

Proud to be one of the Philippines most environmentally conscious enterprises



YTPI's head office and plant

### Yokohama Tire Philippines Inc. (YTPI)

YTPI is a manufacturer and distributor of passenger car tires established in 1996. Its plant, located in the Clark Special Economic Zone (CSEZ) to the north of Manila on Luzon, has an annual production capacity of 6,900,000 tires, marking it the Yokohama Rubber Group's largest plant outside Japan. It employed 1,655 workers as of the end of March 2009.



#### Environmental improvement indices in FY 2008 (January-December)

Category	FY2008 (A)	FY2007 (B)	Improvement rate (A/B)
Emissions of industrial waste (tons)	2,288	4,282	47%
Emission per unit of output (tons/tons)	0.08	0.17	53%
Emissions of greenhouse gases (1,000t-CO <sub>2</sub> )	65.6	63.4	-3%
Emission per unit of output (t-CO <sub>2</sub> /t)	2.15	2.47	15%
Energy consumption (1,000kl crude oil equivalent)	26.3	26.7	1%
Electric power	9.6	8.8	-9%
Fuel	16.7	17.9	7%

#### Management target

Water use (1,000 m <sup>3</sup> )	511	476	-7%
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Emissions of greenhouses gases: Emissions in FY2007 were calculated based on the emission factor for electric power (0.45kg-CO<sub>2</sub>/kWh). Emissions in FY2008 were calculated based on the Calculation and Reporting Manual for Greenhouse Gas Emissions published jointly by the Ministry of the Environmental and the Ministry of Economy, Trade and Industry (METI)

## Global environmental management by the Yokohama Rubber Group

### 23 operations in Japan and overseas certified to ISO14001

Yokohama Rubber practices environmental management by adopting consistent, high-level manner worldwide. A cornerstone of this is certification to the ISO14001 international standard on environmental management and we have strived to acquire the certification. With the certification of our two plants in China in April and May 2009, all 23 of our plants in Japan and the rest of the world have now been certified compliant.

### Organization of global environmental conference since FY2007

In order to enhance global environmental management, an annual global environmental conference bringing together the managers of all our overseas production operations has been hosted by the head of the CSR Division since FY2007. Members of the CSR and Environmental Affairs Dept., have also visited overseas operations since FY2006 to audit progress in areas such as environmental management and environmental performance.

## Continued enhancement of environmental management

YTPI was certified ISO14001 compliant in 2000, two years after it entered operation in 1998. Particular attention has been paid to raising employees' environmental awareness, and an environmental management system (EMS) handbook providing guidelines on EMS and safety has been produced and distributed to employees and suppliers and partners since 2004. Monthly events are organized to collect and recycle waste such as wood waste and empty cans, and February has been designated energy conservation month since 2006. The company also organizes a poster competition for employees to promote the fights against anti-global warming, with awards for the best entries.

## Growing recognition as an environmentally sound enterprise

YTPI is acquiring a growing reputation as one of the Philippines most environmentally sound enterprises. In 2008, it was awarded Green Plaque Environmental Award 2008 by the Clark Development Corporation, which runs the CSEZ, and the Plaque of Appreciation granted in recognition of its contribution to sustainable growth by the Department of the Environment and Natural Resources of the Philippines. It also acts as representative of an environmental, health, and safety association formed by private enterprises in the CSEZ. In July 2009, it received the "Outstanding Recognition for Overall Performance Award" by the Clark Development Corporation, and was awarded a commemorative plaque by President Arroyo of the Philippines.

## Active development of corporate citizenship activities

The company is also a keen contributor to society. In 2008, it took part in an emergency rescue drill in case of a disaster at the nearby airport in March, while in August 800 volunteers consisting mostly of employees took part in the YOKOHAMA Forever Forest Project tree-planting event. In September, YTPI responded to the Department of the Environment and Natural Resource's call to take part in a clean-up of the nearby Mabalacat River, and in October it donated 1,300 seeds to assist a local alpine club with its tree-planting activities. Every year, it also provides recycling materials, such as crates and drums, to local schools and campsites, and provides support for environmental education in local schools.



- 1 YTPI employees taking part in an emergency rescue drill held at the neighboring international airport in March 2008
- 2 YTPI's president, Takayuki Hamaya (second from right), receiving a plaque of recognition from Philippine President Arroyo (third from right) as one of the CSEZ's "Outstanding Recognition for Overall Performance" in July 2009
- 3 Encouraging the use of eco-bags in a general store at the plant

# U.S.A.

## Targeting zero emissions of landfill waste through establishment of management-by-objective (MBO) system



YHAI's head office and plant

### YH America Inc. (YHAI)

YHAI was established in 1987 as a fabricator/distributor of automotive hoses and manufacturer/distributor of adhesives for automobile window frames and lights. It is located in Kentucky, and had a workforce of 326 as of the end of March 2009.

### PDCA has major impact

Certified to ISO14001 in 2002, YHAI further enhanced its environmental management following the adoption of "asserting world-class strengths in technologies for protecting the environment" as one of the basic policy of the Grand Design 100 (GD100) mid-range management plan by Yokohama Rubber in 2006. Teams have been established on themes such as waste, water, and electricity, and monthly management-by-objective (MBO) meetings are held on each theme as part of a plan-do-check-act (PDCA) cycle that has generated substantial improvements in FY2008 compared with FY2006.

### Targeting zero emissions of landfill waste

In order to raise employee awareness of the environment, a program called "Recycle to Win" has been launched to maximize collection of plastic containers, aluminum cans, and other such waste. Following the designation of waste plastic as recyclable industrial waste by a local recycling center, the company also plans to step up its activities to eliminate landfill waste.

### Environmental improvements in FY2008 (compared with January-December 2006)

Category	
Emissions of waste oil	15% reduction
Emissions of solid waste	34% reduction
Paper consumption	46% reduction
Emissions of hazardous waste	58% reduction
Power use	23% reduction
Water use	55% reduction
Emissions of carbon dioxide	17% reduction

YHAI is also a keen contributor to society. On Earth Day on April 22, 2008, it donated 1,500 saplings to local elementary school children.

