

# CSR Report of Ibaraki Plant

Main products : High-pressure hoses, sealing materials

Total site area : 152,000 m<sup>2</sup>

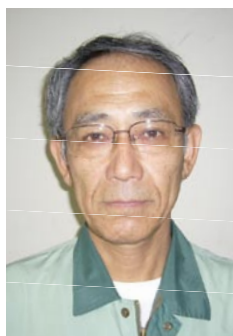
Number of employees : 256 (as of June 2009)

Location : 1, Hatori-Nishi, Omitama-shi, Ibaraki 319-0198, Japan

Tel: +81-299-41-1111



## Message from the General Manager



Noboru Asaba

Because the plant is located close to a residential area and the natural environment along a drainage course to Lake Kasumigaura, we have been engaged continuously from the beginning in the affirmative management of air, wastewater and noise, seeking constantly to improve the situation in regard to each of them. In order to be a plant that is trusted and to manifest world-class strengths in technologies for protecting the environment under Yokohama Rubber's medium-term management plan: GD100, the Ibaraki Plant is working on activities aimed at achieving energy

conservation and zero emissions. In terms of saving energy, in addition to improving equipment/facilities, we methodically sprinkled water on roofs, took action to prevent steam and air leakages, etc., and shaded outdoor air conditioning units with bamboo screens and hanging gourds – continuous, steady efforts, with great cumulative success. In addition, we practice "black illumination" in the plant three times a week, starting in 2009 – turning off lights based on leaving the office at a fixed time. For its proactive zero emissions activities, the Ibaraki Plant was recognized as a model recycling plant by Ibaraki Prefecture. The plant also strives to improve mutual understanding with local communities by offering its baseball field for use by local people, participating in activities of the local community, cleaning the area around the plant and guiding children going to and from school along the road to ensure their safety. We also invited people from local primary and high schools for plant tours, for their better understanding of what we do. In FY2009, we will increase opportunities to open the plant

to the public. Under the "YOKOHAMA Forever Forest" project, we staged a second-phase tree-planting in May 2009. We hope our "Forever Forest" will be helpful in providing emergency evacuation areas, absorption of CO<sub>2</sub> and more. We will further strengthen our environmental management, work to prevent environmental pollution, and strive continuously with the participation of all employees to do better.

## Environmental Policy in FY2009

- (1) To manifest world-class strengths in technologies for protecting the environment, the Ibaraki Plant incorporates environment-friendly measures in all business activities.
- (2) In order to be a plant that is trusted, we work to improve our environmental management, and endeavor continuously to prevent environmental pollution and improve the environment.
- (3) In order to make the plant one of the best in the world, we will do everything we can do to improve to environment.
- (4) We promote waste reduction, recycling and green purchasing for energy and resources conservation as a means to combat global warming.
- (5) We observe applicable laws and regulations, and agreements, and carry out environmental preservation efforts accordingly.
- (6) In carrying out our environmental policies, we have set environmental targets and goals, and are working on them systematically.
- (7) We review the policies, purpose and targets once a year.
- (8) We educate and enlighten our employees and all people working for the plant so that they fully understand the plan, and to improve their own awareness and actions.
- (9) We strive to live and prosper with the local community, in harmony and fusion with nature.
- (10) Our environmental policies are available to the public on request.

## Major Interactional Activities with the Local Community

### Conducting Plant Tours

We invite people from local primary and high schools for plant tours, for their better understanding of our activities. In FY2008, we conducted six tours, welcoming a total of 95 visitors.

### Guiding Children Safely around Traffic

In order to ensure the safety of children going to and from the local Hatori Primary School, a plant gatekeeper guides them along the road in the morning and afternoon.

### Other Activities

In FY2008, we staged PRGR golf products sales twice for local residents and our suppliers. We also cooperate in blood donation drives, offer our baseball field for use by outside people, and co-sponsor local events.



Employee talking to primary school students visiting the plant



Guiding students safely along the road

The "YOKOHAMA Forever Forest" project is creating forests by planting a total of 500,000 trees at production sites in Japan and around the world in anticipation of the company's 100th anniversary in 2017. Started with a tree-planting ceremony at the Hiratsuka Factory in November 2007, the project is now fully underway.



- June 2008: First-Phase Tree-Planting Ceremony (560 participants; 3,800 trees planted)
- May 2009: Second-Phase Tree Planting Ceremony (80 participants; 2,800 trees planted)

## Environmental Data

### PRTR substances

(Unit: tons/year)

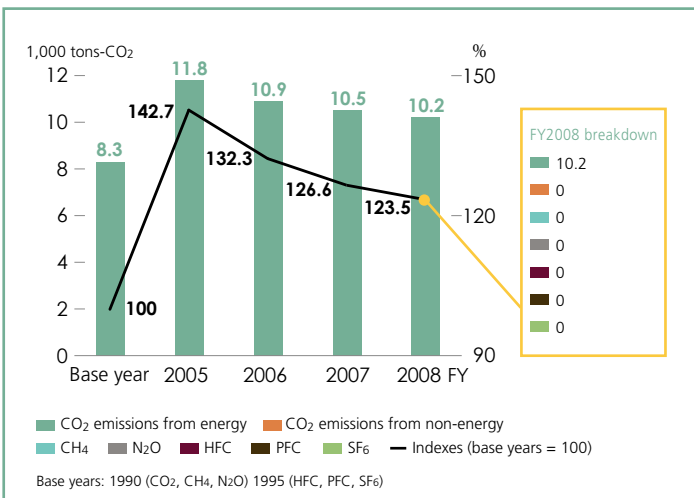
Designated No.	Specified chemical substance	Amount to treat <sup>1</sup>	Emission <sup>2</sup>	Transfer <sup>3</sup>	Safety Evaluation: VI-5			
					Toxicity Rank (effect on people)	Annual Converted Emissions (effect on people)	Toxicity Rank (effect on ecosystem)	Annual Converted Emissions (effect on ecosystem)
293	Hexamethylene diisocyanate	16	0	0.52	A	0	—	0
227	Toluene	3.9	3.9	0	C	39	D	3.9
176	Organic tin compounds	3.6	0	0.36	A	0	A	0
30	Bisphenol A type epoxy resin (liquid)	3.6	0	0.14	C	0	D	0
338	m-tolylene diisocyanate	2.7	0	0.40	A	0	D	0
272	Bis (2-ethylhexyl) phthalate	1.8	0	0.57	A	0	A	0
<b>Total</b>		<b>31.6</b>	<b>3.9</b>	<b>2.0</b>		<b>39</b>		<b>4</b>

\*1: Amounts of 1 ton or more are listed. As for substances designated as Class 1 Specified Chemicals such as benzene, amounts of 0.5 tons or more are listed.

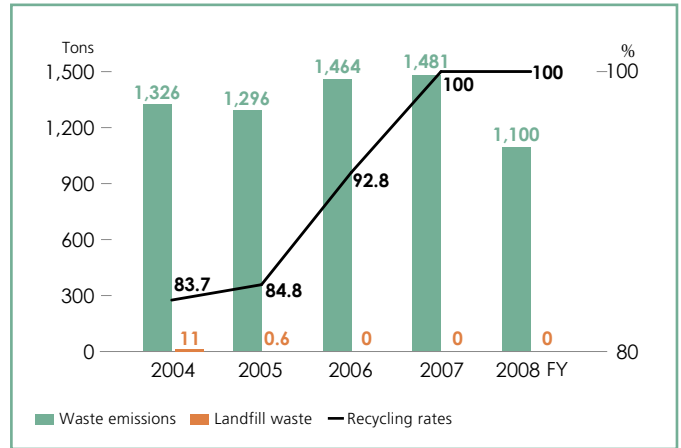
\*2: Emission = Air + public water + soil

\*3: Transfer = Waste + public sewage

### Combined greenhouse gas emissions and their indices (base years = 100)



### Waste emissions, landfill disposal and recycling rates



### Air-quality-related data (major facilities)

Facility	Substance	Regulation	Self-imposed control value	FY2008 result		
				Average	Maximum	Minimum
Ibaraki Plant	Sulfur oxide (K-value)	10	0.28	0.090	0.1	0.07
	Nitrogen oxide density (ppm)	250	88	67	72	63
	Soot and dusts density (g/m <sup>3</sup> N)	0.2	0.014	0.004	0.005	0.003

\*According to the Air Pollution Prevention Law and the Environmental Pollution Prevention Agreement with Minori Town. Again no violations of regulations in FY2008.

### Water-quality-related data (major facilities)

Drain	Substance	Regulation	Self-imposed control value	FY2008 result		
				Average	Maximum	Minimum
Ibaraki Plant	PH	5.8~8.6	7.0~8.2	7.7	8.1	7.3
	BOD density (mg/l)	10	4.2	1.7	5.8	Less than 1
	COD density (mg/l)	10	5.4	2.3	4.2	1.0
	SS density (mg/l)	15	3.5	1.5	5.6	Less than 1
	Oil density (mg/l)	3	1	Less than 0.5	Less than 0.5	Less than 0.5

\* According to Ibaraki Prefectural regulations and the Environmental Pollution Prevention Agreement with Minori Town. Again no violations of regulations in FY2008.

\*If values are beyond self-imposed control values, causes thereof are promptly identified and actions are taken to return them to the normal range.