

# CSR Report of Hiratsuka-East Plant

**Business activities:** Hose assemblies for passenger vehicles and hydraulic hose assemblies  
**Total site area:** 16,000 m<sup>2</sup>  
**Number of employees:** 371 (as of April 1, 2010)  
**Location:** 4-6-40 Higashi-Yawata, Hiratsuka City, Kanagawa 254-0016, JAPAN  
 Tel: +81-463-23-0331  
**Technical Contact:** Plant Control Section Tel: +81-463-23-0331



## Message from the General Manager



Kazuhiko Nabeshima

The Hiratsuka-East Plant assembles primarily hose units using hoses manufactured at the Ibaraki Plant and couplings from the Nagano Plant. Our main products are hydraulic hose assemblies for construction machinery and power steering and air-conditioner pipe hose assemblies for passenger vehicles. Electricity accounts for over 90% of the energy used at the Plant, which boasts the lowest energy consumption of any Yokohama Rubber facility.

In line with the goal of a top-level environmentally responsible enterprise as

espoused in the Yokohama Rubber medium-term management plan GD100, we incorporate green procurement principles at all stages from product planning and design through to service, together with ongoing improvements in distribution processes and productivity standards, in

accordance with ELV and RoHS directives. In FY2010 we launched a TPM program in a bid to eliminate losses by minimizing industrial waste output, reducing consumption of organic solvents and energy, shifting to paperless processes, and implementing environmental programs predicated on conservation of resources to prevent global warming.

Meanwhile, we are playing an active role in safety and disaster prevention in the local area through initiatives such as the annual emergency training drill at the Plant and joint emergency training sessions in conjunction with nearby businesses. On the environment front, we conduct monthly clean-ups of the surrounding area and always take part in the annual Shonan beach clean-up day in June.

The first phase of planting in the YOKOHAMA Forever Forest project has been successfully completed, and preparations are underway for the second phase in September 2010. We hope that these programs and activities will make the Plant a more pleasant place for our workers as well as a more environmentally friendly facility overall.

## Environmental Initiatives

### Environmental Policy in FY 2010

- (1) To exert world-class strengths in technologies for protecting the environment, we incorporate measures to reduce environmental impacts into all business stages, from planning and designing products, to production, to service and waste recycling/handling.
- (2) In order to remain a plant that is trusted, we endeavor continuously to prevent environmental pollution and improve the environment, thoroughly managing our use of environmental-impact substances.
- (3) In order to combat global warming and protect resources, we promote energy conservation, reducing waste emissions focusing on eliminating all losses, and recycling and reuse of resources by separating waste by type.
- (4) In accordance to CSR management, we observe environment-related laws and regulations applicable to our plant, and other requirements to which we have committed ourselves.
- (5) We have defined an environmental purpose, set environmental targets (Plan), are working on them systematically (Do), review and correct related activities (Check), and carry out a management review once a year (Action). Through these, we continuously strive to do better. We then confirm our performance through third-party audits.
- (6) We educate and enlighten our employees and individuals so that they fully understand this environmental policy, and to improve their own awareness and actions.
- (7) We emphasize dialogue with local communities and actively promote activities to contribute to them, including "YOKOHAMA Forever Forest" project.
- (8) Our environmental policies are available to the public on request.

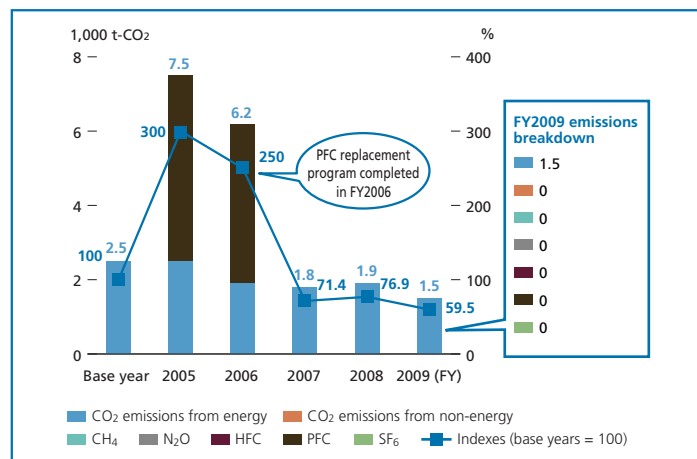
### Environmental data

Electricity accounts for over 90% of the energy needs of the Hiratsuka-East Plant. Reducing our power usage therefore translates directly into lower energy consumption and lower greenhouse gas emissions. We are working to reduce power usage in the Plant, not only in terms of production equipment but also in areas such as lighting and air conditioning. Thus, energy savings can be achieved in both production and administration divisions. Meanwhile, we filter and reuse industrial water from production

processes and ordinary mains water used to wash finished products. We are also striving to reduce industrial waste output from production processes by eliminating faults and defects, minimizing losses, and assiduously applying the principle of the "right quantity of the right product at the right time." Electricity consumption at the Hiratsuka-East Plant has dropped 27% relative to FY2008, while water consumption has fallen by 18%, GHG emissions by 22%, and waste output by 29%. Although these figures are partly attributable to a general slowdown in production volumes since the autumn of 2008 in the aftermath of the Lehman's fall, our efforts to reduce energy usage and waste output are definitely bearing fruit.

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

Drop in emissions attributed to changes to product categories in FY2007.



\* Base year is defined as 1990 except for HFC, PFC and SF<sub>6</sub>, where the base year is 1995 as per the Kyoto Protocol.  
 \* Greenhouse gases (GHG) calculated in accordance with the Calculation and Reporting Manual for Greenhouse Gas Emissions (Ministry of the Environment, Ministry of the Economy, Trade and Industry). Note that GHG emissions associated with purchased power in FY2009 were calculated using the table of Emission Coefficients by Power Company (Ministry of the Environment).

## Environmental Initiatives

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

Drain	Substance	Regulation	Self-imposed control value	FY2009 result		
				Average	Maximum	Minimum
Hiratsuka East Plant	PH	5.7 - 8.7	6.2 - 8.5	8.3	8.4	7.9
	BOD density (mg/l)	300	150	47	60	25
	SS density (mg/l)	300	150	19	29	11
	Oil density (mg/l)	30	20	7	12	3.7

\*According to the Hiratsuka Sewage Ordinance.

### Monitoring of chemical substances under the PRTR Law

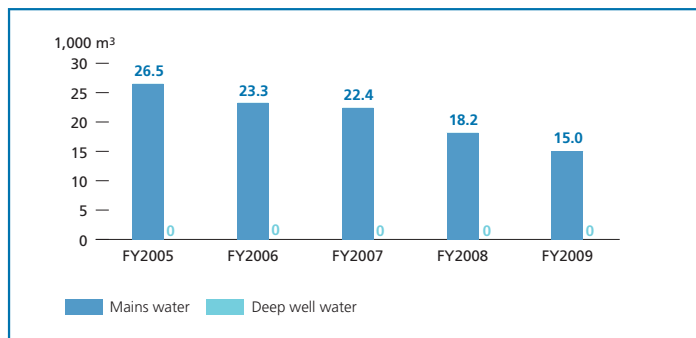
Under the PRTR Law, we are required to monitor consumption levels of designated chemical substances on an annual basis.

Our usage of the designated substances is in fact very low, and up until FY2009 has been below the mandatory reporting threshold. We will continue to minimize our usage of these substances in the future.

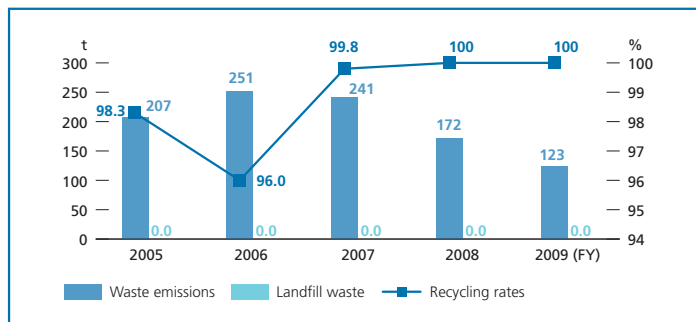
### Noise, vibration and odors

Though we do not have any equipment that generates noise, vibration or odors, we are conscious of our duty to prevent disturbance to nearby residents. To this end, we monitor noise, vibration and odor levels at five designated points along the site boundary on a monthly basis and maintain records of the observations. Observations are taken at night, when more stringent environmental requirements apply. As of FY2009 our monitoring values have yet to exceed the threshold limits, and we will continue to ensure that this is the case.

### Use of water



### Waste output



## Safety Initiatives

### Occupational health and safety

The Occupational Health and Safety Committee meets monthly as per the requirements of the Industrial Health and Safety Law. Committee members implement the resolutions of the Committee through separate Workplace Health and Safety Committees in each workplace. We are currently setting up management systems in preparation for company-wide OSHMS certification during FY2010. There were no workplace incidents during FY2009.

### Employee training and drills

- The 3 S program fosters a culture of safety in the workplace.
- Every employee receives a one-on-one training session with their supervisor on a three-month cycle.
- Every workplace provides two hands-on skills training sessions per year on actual production equipment.
- The KYT Touch And Call procedure is conducted at every morning meeting to enhance safety awareness.
- Risk level reduction programs based on equipment risk assessment and countermeasures are used to inculcate an inherent awareness of safety issues.
- As part of our efforts to prevent workplace incidents, we are installing safety barriers on all equipment, starting with aluminum pipe machining equipment.

### Emergency response procedures

The emergency liaison network ensures that the necessary information is conveyed promptly to the relevant personnel and throughout the Company in the event of an emergency.

April 1 2010

### FY2010 Hiratsuka-East Plant Health and Safety Policy

**Slogan**

**Be Aware—Know the Fundamentals and Be Professional—  
Working Together for a Safer Workplace**  
(Annual motto of the Japan Industrial Safety & Health Association)

**Basic Vision for Health and Safety**  
(Policy of the Central Health and Safety Committee Chairman)

Health and safety underpins all that we do.  
Through the leadership of managers and supervisors and the cooperation of all employees in the Yokohama Rubber Group, we strive to prevent workplace incidents and create a healthy and pleasant workplace.

**Objectives**

Overall objectives

- (1) Eliminating both LTI (Lost Time Incidents) and minor workplace incidents (not involving lost time)  
Stop, Call and Wait      Full horizontal deployment
- (2) Eliminating traffic accidents  
No personal injuries, no work-related traffic injuries
- (3) Obtaining certification in OSHMS (Occupational Safety and Health Management System)

**Health and Safety Policy**

- (1) All employees in the Yokohama Rubber Group understand that safety is the number one priority. Through the participation and actions and cooperation of employees of all ranks and positions, we shall strive to boost safety activities.
  1. All workers shall observe the rules and regulations of the workplace and implement safe work practices
  2. Managers and supervisors shall assume responsibility for ensuring the safety of employees and shall not allow unsafe conditions and practices to pass unnoticed. They shall act as models of safe behaviors and practices, and shall have a thorough appreciation of conditions in the workplace, including the status of materials and equipment.
  3. We shall comply with all health and safety legislation and government directives.
  4. We shall strive to identify and eliminate latent hazards associated with work procedures and equipment using the PDCA cycle in the OSHMS (Occupational Safety and Health Management System) to reduce risks on an ongoing basis.
  5. We shall promote a culture of safety at the Hiratsuka-East Plant by:
    1. Promoting the 3 S's and transforming our factory into a model of cleanliness.
    2. Encouraging all employees to make a good start to the day including greetings, morning exercise routine, the morning meeting and KY hazard identification procedures.
    3. Instituting safety initiatives in other divisions and departments, not just the manufacturing division.
- (2) As a member of the automobile industry, we shall strive to promote the cause of reducing traffic accidents.

**Action Principle**

**We must be constantly alert to minor differences or changes in our immediate environment and ensure that these are rectified promptly.**

**A** あたり前のことを  
atarimae no koto wo

**B** バカみたい  
baka mitai ni

**C** ちゃんとやる  
chantoyaru

**Kazuhiko Nabeshima**  
General Manager, Hiratsuka-East Plant

### Feedback received during FY2009

No feedback was received during FY2009.

### Engaging with the local community through sporting and other events

- 1) The Hiratsuka-East Plant serves as chair of Kawarakai, the local industry association, liaising with local businesses and organizing joint activities as follows.
  - Joint training drills with local businesses through Kawarakai and the Association for the Safety of Hazardous Materials.
  - Monthly clean-up of the factory surrounds held on the fourth Monday of the month (112 participants in FY2009)
- 2) The Hiratsuka-East Plant is also involved in beautification of the factory grounds and surrounding areas as follows.
  - Clean-up day on Hiratsuka Shonan beach every June (22 participants in FY2009)



Cleaning the Hiratsuka Shonan beach

- Summer weeding and tidying on the factory grounds every August (94 participants in FY2009)



Pulling out weeds around the factory



- 3) Some 208 employees took part in the Hiratsuka CO<sub>2</sub>CO<sub>2</sub> Plan organized by the City of Hiratsuka.



The first phase of planting in FY2008 saw 1,500 seedlings planted over an area of 340 m<sup>2</sup>. Another 282 seedlings will be planted over 70.5 m<sup>2</sup> during the second phase in September 2010.

