

◆ Partnership Activities

Environmental Education

Providing environmental education continuously and systematically is an important part of an environmental management system. The Yokogawa Group is raising the level of environmental protection activities throughout the group in line with the Environmental Education and Training Rules.

1. Review of Environmental Education Programs

There are four main environmental education programs of the Yokogawa Group: Fundamentals of Environmental Protection addressing all employees, Specialized Environmental Education conducted at each major section or department, Training for In-house Auditors for raising the skills of lead auditors for in-house audits, and Special Education through lectures and symposiums. Over the last five years these programs have made employees more environmentally aware, and we are now reviewing the programs to encourage self-study. Different programs were prepared for novice and experienced employees for the first to fourth years after joining the Group. Educational materials were made available as videos and on the intranet, designed to enable all employees to undertake necessary programs effectively. These new education programs went into full-scale operation from April 2002.

2. Environmental Protection Activity Pocketbook

The history of education and environmental activities for each employee is recorded with a score in an Environmental Protection Activity Pocketbook that all employees must always carry with them.



Environmental Protection Activity Pocketbook

The scores are set such that autonomy is valued, for example, 10 points for voluntarily attending an in-house lecture, and 30 to 50 points, depending on the day, for participating in a voluntary activity. The persons with the highest score receive an award every June, which is designated annually as “Environmental Protection Month.”

3. Environmental Education inside and outside the Group

The Yokogawa Group is promoting educational activities both inside and outside the Group based on the Fundamentals of Environmental Protection.

(1) Special Lectures

In June 2001, which is the annual “Environmental Protection Month,” a special lecture was held. The theme was “New Viewpoints on Environmental Protection Activities” and the speaker was Michio Ishii from Yokogawa Research Institute Corporation. It was attended by more than two hundred employees including executives.



Lecture: “New Viewpoints on Environmental Protection Activities”

(2) Domestic ISO Activities

In fiscal 2000, we tackled energy and resource efficiency in Japan and in local communities under the slogan, “New environmental protection activities.” In fiscal 2001, employees were encouraged to practice ISO activities in the home. This campaign started with green purchasing, with employees urged to go “green” when purchasing items for home use (for example, Item 9 recommends the use of round-bulb fluorescent lamps).

(3) Environment Pass

An Environmental Pass is issued to visitors — whether servicemen, delivery staff or those on business — asking them to cooperate in environmental protection activities within the premises. In particular, the pass asks visitors to follow four rules inside the premises regarding 1) disposal of drink containers; 2) disposal of paper and waste; 3) driving; and 4) smoking.



Environment Pass (passport size)

Environmental Communication

We are establishing partnerships with others related to the Yokogawa Group in order to advance global environmental protection and achieve a sustainable society, and are actively communicating through our Environmental Report, Web site, and activities with local communities.

1. Reporting of Environmental Activities

The main tool for environmental communication is the Environmental Report. This 2002 edition of the report (for fiscal 2001) is the fourth since the first publication in 1998, and was prepared in cooperation with outside consultants to enhance communication inside and outside the Group regarding our environmental management and to build trust among stakeholders. Overseas, Yokogawa Sichuan Instrument Co., Ltd. published its second Environmental Report and Suzhou Yokogawa Meter Co. published its first Report in fiscal 2001 based on the Yokogawa Group Environmental Report.

Our English-Japanese bilingual Environmental Protection Activities site on the Internet attracts 800 hits per month; please visit us at www.yokogawa.com/environment.

2. Communication with Local Communities

(1) Yokogawa Festival

The Yokogawa Festival was held in July 2001 at Headquarters. The executives worked as sales clerks at the stalls and served the employees, their families, and local citizens, thus strengthening partnerships with those



Recycled Goods Shop at Yokogawa Festival

involved in the Yokogawa Group. The Environmental Conservation Promotion Dept. of Yokogawa Electric Corporation opened a recycled goods shop and donated the sales to Japan Environment Corporation.

(2) Mie Environment Fair

The Environment Fair sponsored by Mie Prefecture, Japan was held in May 2001 and the Mie plant of

Yokogawa Electronics Manufacturing Corp. participated as a cosponsoring exhibitor. The fair was a resounding success with 65,000 visitors, and we introduced part of the Group's environmental activities through exhibitions of our activities towards zero-emissions and environmental equipment.



Mie Environment Fair

(3) Environmental Protection Activities Brochure

An Environmental Protection Activities brochure is handed out to each visitor who comes to the Kofu plant for a plant tour, numbering 2,054 people in fiscal 2001. The brochure introduces the objectives of our environmental protection activities, environmentally friendly products, and energy-efficiency activities, and puts information about our environmental activities on public view.

3. Communication within the Group

(1) Environment Booth

At the entrance to a canteen inside Headquarters, there is an environment booth containing explanations of environmental protection measures, activities and examples. In fiscal 2001, the packing materials that are helping reduce use of Styrofoam, such as pulp molds and film cushions, were exhibited. The exhibition tables in this booth are themselves made of discarded materials.



Environment Booth

(2) Environment Bulletin Boards

Right by the entrance to each workplace there is a highly visible bulletin board exclusive for the environment showing the annual environmental targets for the corresponding workplace and the monthly progress, thus building environmental awareness during daily work.

Contribution to Society

The Yokogawa Group recognizes that global environmental protection and contribution to society are closely inter-related as implied in its corporate policy: “the Group aims to contribute toward not only ... but also realizing a thriving global society.” Accordingly, the Group employs physically challenged people where possible, and works for the benefit of local communities.

1. Activities of Suzhou Yokogawa Meter Co.

Suzhou Yokogawa Meter Co. of the Yokogawa Group was selected as a model corporation for a study on environmental accounting under the "Japan-China 3Es (Energy, Environment, and Economy) Research Project," a joint research project initiated between Keio University (Japan) and Tsinghua University (China) in 1999. Consequently, the company adopted environmental accounting and ascertained the environmental performance and costs in fiscal 2000, then conducted more detailed accounting such as adding inter-year comparisons.

China has been undertaking huge development projects in the western region as part of its rapid industrialization; however, these inevitably involve energy concerns and environmental issues. The project was set up to study ways of managing development and maintaining a balance between the budget and the environment, as well as avoiding pollution problems incurred by advanced nations and protecting the global environment. Environmental accounting is a crucial tool to maintain a balance between the budget and the environment.

The environmental accounting at Suzhou Yokogawa Meter Co. has attracted much attention in China as a case study of environmental accounting, and the company receives many visitors. This positive activity will surely help environmental accounting to spread in China and help protect its environment.

2. Promotion of Employment of Challenged People

Yokogawa Foundry Corporation is an affiliated company set up in September 1999 under special regulations in the Japanese Law for Employment Promotion. The company's corporate policy is: "Enable mainly mentally

challenged people and senior citizens to make the most of their natural capabilities and challenge every possibility, thus contributing to the happiness of others, prosperity of the company, and growth of society."

Its main business is recycling, as well as manufacturing of rubber stamps, and data entry. The recycling services encompass scrapping of obsolete personal computers and measuring instruments and taking part in "zero emissions" activities at Headquarters.



Scrapping Personal Computers

3. Woodworking Workshop Utilizing Scrap Timber

At the Akiruno plant, a woodworking workshop was held in June 2001. The workshop used scrap timber that had been used for packing or released from the plant, and the workshop participants took back home the objects they made. Many people including families joined the workshop and made various items such as gardening goods, chairs, tables, and benches.

In view of the fact that the cost of disposing of scrap packing timber from the plant is 20 to 30 thousand yen per ton, the workshop was an effective use of waste.

The open space where the workshop was held is open every day, and several people come every Saturday to enjoy handicraft.



Woodworking Utilizing Scrap Timber

A History of Caring for Our Environment

1971	Set up a pollution prevention organization.	1998	February	Headquarters and Komine (now Akiruno plant of Yokogawa Electronics Manufacturing Corp.) plant obtained ISO14001 certification.
1974	July	Constructed wastewater treatment facilities in accordance with municipal bylaws.	May	Employed a co-generation system (two 585-MW generators).
1987	May	Began studying environmental assessments.	1999	September
1989	October	Established a chlorofluorocarbon (CFC) reduction committee.	Issued Yokogawa Environmental Report 1999, putting environmental accounting on public display.	
1991	April	Formed the Global Environmental Protection Promotion Department.	November	Adopted Eco-label Type II for measuring instruments.
1993	February	Assigned an executive director of environmental management and formed a corporate global environment committee.	December	Rated the No. 2 company in the manufacturing industry by the Nikkei Shimbun newspaper in the third study on the extent of environmental operations.
1994	August	Reported on the results of voluntary environmental activities in 1993.	2000	July
December	Completed the phasing-out of specific CFCs and trichloroethane for cleaning.	Headquarters accomplished zero landfill waste.	August	Employed returnable tote box delivery service for general customers in Japan, the first company to do so.
1995	June	Decided to obtain ISO14001 certification as the first step to becoming an environmentally friendly enterprise, combined with a voluntary environmental plan.	September	Issued Yokogawa Environmental Report 2000, which employed third-party verification.
October	Reformed the corporate global environment committee.	November	Suzhou Yokogawa Meter Co. joined Japan-China 3Es (Energy, Environment, and Economy) Research Project, and was selected as a model corporation for a study on environmental accounting.	
1996	March	Established corporate rules for environmental protection management.	2001	March
May	Formed a global environment committee at each plant site (Headquarters, Kofu plant, and Komine plant [now Akiruno plant of Yokogawa Electronics Manufacturing Corp.]).	Issued Basic Environmental Management Rules for Yokogawa Group.	July	Issued Yokogawa Group Environmental Report 2001.
1997	July	Kofu plant obtained ISO14001 certification.	September	Headquarters, Kofu plant, and Akiruno plant (three sites), as a whole, obtained comprehensive ISO14001 certification.
			November	Kofu plant accomplished zero landfill waste.
			2002	February
				Akiruno plant accomplished zero landfill waste. Kofu plant installed a light-through solar-electric power generation system.

Corporate Profile

Company name	Yokogawa Electric Corporation	Sales of last 3 fiscal years	1999: Non-consolidated sales – 172.8 billion yen Consolidated sales – 313.4 billion yen
Founded	September 1, 1915		2000: Non-consolidated sales – 202.7 billion yen Consolidated sales – 352.6 billion yen
President and Chief Executive Officer	Isao Uchida		2001: Non-consolidated sales – 107.9 billion yen Consolidated sales – 310.8 billion yen
Capital (as of March 2002)	32.306 billion yen		
Location of headquarters	2-9-32 Nakacho, Musashino-shi, Tokyo, Japan	Number of employees	As of March 2000: Yokogawa – 5,952 Group – 17,249
Main businesses	Development, engineering, manufacture, sales, and servicing of process measuring equipment and control systems, electronic instruments, measuring instruments, aerospace instruments, analytical instruments, recorders, LSI testers, power supply units, and medical image information processing systems.		As of March 2001: Yokogawa – 5,852 Group – 18,504
			As of March 2002: Yokogawa – 5,755 Group – 17,244

Let us know what you think of this publication

This report outlines the environmental management activities of the Yokogawa Group for fiscal 2001. We believe it is important to encourage open communication with our stakeholders based on the information published in this report. Although we have tried to make this report easy to understand and show actual examples of our activities, some parts may be inadequate. To improve future versions of this report, we welcome your opinions and feedback.

Please kindly complete the questions on the back of this sheet and return the form by post, fax, or e-mail.



Post to Environmental Conservation Promotion Dept.
Yokogawa Electric Corporation
2-9-32 Nakacho, Musashino-shi, Tokyo 180-8750, Japan

Fax: +81-422-52-4197

E-mail: enviinfo@csv.yokogawa.co.jp

Survey Questions

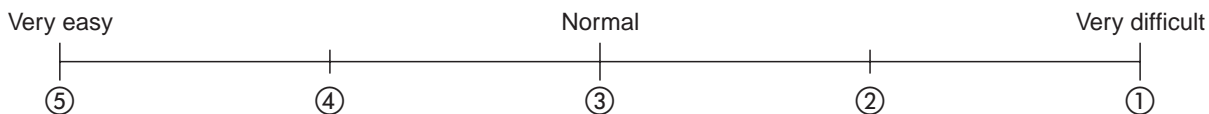
Thank you for reading Yokogawa Group Environmental Report 2002.
Please kindly complete the questions below and return the form by:

- Surface mail to Environmental Conservation Promotion Dept.,
Yokogawa Electric Corporation, 2-9-32 Nakacho, Musashino-shi, Tokyo 180-8750, Japan
- Fax to +81-422-52-4197
- E-mail to enviinfo@csv.yokogawa.co.jp

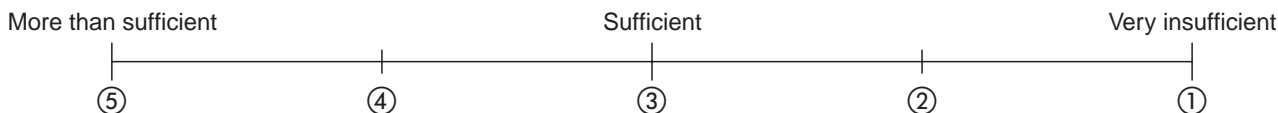
1 What is your relationship with the Yokogawa Group?

- Customer Stockholder Administrative body Investment/financial institution
 Resident living near a site of Yokogawa Group In charge of environmental management in a firm or body
 NGO or NPO on the environment Student Others ()

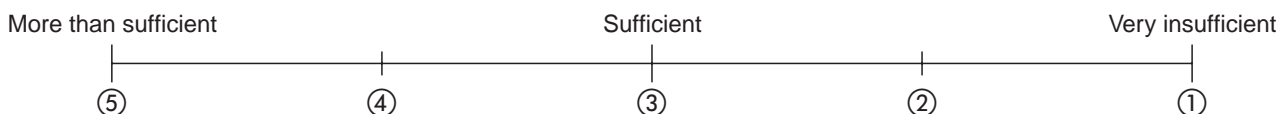
2 Was this report easy to understand?



3 Did this report contain enough detail on what you wanted to know?



4 How do you feel about the Yokogawa Group's measures and actions for environmental protection?



5 Which sections interested you most?

- Environmental Management of the Yokogawa Group.....
 Overview of Environmental Management in New Corporate Strategy
 Basic Environmental Management Rules and Goal
- Environmental Management Activities
 Overview of Environmental Impact Eco Point Method
 Comparison of Results versus Targets Management System
 Legal Compliance, Risk Management, and Environmental Audits
 Environmental Accounting Environmental Project Evaluation
- Environmental Performance Improvements...
 Green Purchasing Energy Efficiency
 Protection of Atmosphere and Water Quality Total Control of Chemicals
 Zero Emissions Physical Distribution
- Eco-creative Activities.....
 Green Manufacturing Lines and Green Design
 Green Products Environmental Solution Proposals
- Partnership Activities
 Environmental Education Environmental Communication
 Contribution to Society

6 Your opinions and comments:

Thank you. Please complete the following personal information (optional):

Your full name (Mr./Ms.): _____ Age: _____

Contact address: _____

Daytime phone number: _____ E-mail address: _____



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