

CSR Report of Yokohama Industries Americas Ohio Inc.

Business activities: Production and sales of automotive hoses, rubber gaskets for trains and buses and molded industrial rubber parts

Total site area: 73,700 m²

Number of employees: 78 (as of May 31, 2013)

Location: 474 Newell Street, Painesville, OH 44077, U.S.A.

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Chief Operating Officer's Message



Cory Brusman

Yokohama Industries Americas Ohio Inc. (YIA-OH) is a company established in April of 2014 through a merger with the former YH America Inc. YIA-OH was previously called SAS RUBBER. SAS RUBBER was an old company; it commenced operations in 1937 as a manufacturer of rubber parts for the automobile repairs market. On becoming a Yokohama Rubber Group company in 1992, in addition to the existing industrial department, a new hose department was established within SAS RUBBER.

Currently, using profile extrusion and processing technologies, YIA-OH's industrial department

manufactures window frame gaskets, door edges and sealants, etc., for mass transportation. These products are delivered to manufacturers of large buses and vehicles.

Commencing this year, plant equipment has seen the addition of salt-bath vulcanizers, silicon vulcanizers and rubber extruders, etc. In particular, in recent times we have been responding to an expanded demand for mass transportation systems, such demand having been generated by an ongoing reexamination of such systems as a means by which to resolve environmental issues. Furthermore, we are also working proactively to expand markets for new products.

The hose department manufactures automotive power steering and hoses for air conditioners, which are delivered to Japanese automotive companies, including TOYOTA and the Detroit Big 3, including GM.

In the field of hoses for air conditioners, we will respond to market demands by developing hoses corresponding to a new refrigerant which is environmentally friendly, including hoses for air conditioners called a

barrier type, which has a sandwich structure pinching resin by rubber layers on both sides in addition to a veneer type which is resin coated inside and suppresses transmission of refrigerant gas.

It acquired ISO14001, the Environmental Management System in December 2007.

The energy saving project which started in 2006 has been established as continuous activities. We achieved large reductions in energy by reuse of plant water by a closed system, increasing efficiency of gas boilers by preheating, repair of steam leakage, heat retention, etc., of steam pipes and suspension of machinery during unnecessary times and replacement by energy saving lamps, etc., for electricity.

Although introduction of zero emissions has been delayed compared with Japan, in 2012 we started a project improving the recycling ratio. We have carried out activities to achieve zero emissions in 2017.

We started a project this year to achieve zero emissions by improving recycling rates. As a member of local communities, we donated trees to local elementary schools to support planting in 2009 and 2010 as part of our Green Wave activities. In 2011, as the Yokohama Rubber Forever Forest Project, about 600 trees were planted on the premises of SAS RUBBER by employees and their families and related people in the local communities. The planted seedlings endured the cold of winter and have steadily grown. From 2012, in terms of support of, we supported the environmental project of the local Painesville area and, as a member of many Japanese companies, also made donations in the planting of cherry tree planting activities of the Japanese Association of the region (this has continued since 1996, which were commended by the Minister of Foreign Affairs). YIA-OH is promoting such environmental conservation activities as all employees are united as one to become "a company having world-class strengths in technologies for protecting the environment" the slogan of Yokohama Rubber, GD100.



Labor Practices

Occupational safety and health (safety and health policy, measures for safety and health)

By placing our top priority on safety, we have improved safety levels by thoroughly implementing a policy of STOP, CALL and WAIT if employees sense irregularities in their work. We have achieved this by using the 3S principles as the basis of measures such as preventing access to dangerous areas and preventing the handling of still-operating equipment.

Commencing with high-risk (Level 5) equipment, we have begun risk assessments from 2013. By way of response, we are working to develop both lower-risk equipment and lower-risk workplaces. For measures to improve awareness toward safety, we provide safety awareness education for all employees every year and for new employees, we incorporate safety education using computers.

Environmental Policy

- (1) We address measures in consideration of the environment in all of our activities.
- (2) We build up and strengthen our environmental management system and make efforts to prevent environmental pollution by continued improvement activities, state-of-the-art technologies and cost effective resolutions.
- (3) We observe laws, requirements of government agencies and any other environmental regulations.
- (4) We make efforts to protect natural resources by establishing pollution control targets through reduction of waste, recycling and reuse.
- (5) We make effort for effective use of energy through energy saving activities, improvement of energy efficiency and preferred use of renewal energy sources, etc.
- (6) We contribute to environmental conservation and provide environment information for education of employees and training plans.
- (7) We make efforts to continue improvements in our business process and establish environmental targets by the environmental management system and review once a year.

Environmental data

Category		FY2009	FY2010	FY2011	FY2012	FY2013
Waste emissions (t)		178	143	109	221	108
Proportion sent to landfill (%)		66.7	90.5	98.2	98.2	47.2
Energy use (oil equivalent: kJ)	Electric power	912	986	873	919	799
	Fuel	498	493	427	403	372
	Total	1,410	1,480	1,300	1,322	1,171
Greenhouse gas emissions (1,000t-CO ₂)		2.9	3.1	2.7	2.8	2.5
Water usage (1,000m ³)		3.4	3.9	3.4	2.7	7.2

* FY: January to December

* Greenhouse gas emissions were calculated based on the Calculation and Reporting Manual for Greenhouse Gas Emissions jointly published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry, Japan.

Community Involvement and Development

Relationship with local societies

We have been proactively supporting the environmental activities of Painesville City since 2012.

Furthermore, we have been involved in the cherry tree plantings in Cleveland that the local Japanese Association of Northeast Ohio has conducted since 1996. In 2012, the significance of these plantings was recognized by an award from Japan's Minister of Foreign Affairs, and we

made donations to this cause to ensure that the plantings continue in the future.

With regard to the local area, financial donations were made to both United Way (long-involved in financial support activities in the Ohio Region) and Project Hope (which conducts financial support activities in assisting the home shelters of Painesville City).

