ZEON Group (Japan)

Zeon Polymix Inc.

Introduction to Zeon Polymix Inc.

Zeon Polymix Inc. was established in 1967 as a company with the remit of manufacturing a rubber compound using Zeon Corporation synthetic rubbers. Zeon Corporation's high quality synthetic rubbers are synergized with the compound technologies developed by Zeon Polymix since its establishment to produce rubber compound products that are used as materials for industrial rubber products in a variety of fields. We have gained the trust of numerous customers who use our unique rubber compounds as materials in functional rubber parts in automobiles for their heat-, oil- and wear-resistant propertities, in particular.

With the slogan of "Aiming to be a high-quality coproration" that supports life and industry with technology and reliability, Zeon Polymix meets its customers' needs as a high-quality company with high-quality products.

Environmental and Safety Activities

1. Efforts for Zero Emission from Industrial Waste (100% achievement)

Activities to reduce our final landfill disposal amount began in fiscal 2007 (more than 180 tons), and in 2011, we achieved a recycling rate of 100% as we repeatedly encouraged external intermediate waste treatment facilities to promote recycling. In terms of minimizing waste from the perspective of 3M (*muri, muda* and *mura* in Japanese, or "impossible, useless and inconsistent" in English), we have thoroughly reduced waste in manufacturing processes, and in 2013, the waste amount was limited to 148 tons.

2. Reducing CO_2 emissions

As an activity to reduce greenhouse gas emissions, we are improving construction methods, installing high-efficiency equipment, and using energy-saving lighting. We are also implementing activities to eliminate equipment that uses boilers in order to minimize the use of heavy oils, and, by switching fuels (from heavy oil A to LPG or electricity), we are endeavouring to reduce emissions of the greenhouse gas CO_2. We will continnue to promote environmental measures as we aim to eliminate the use of boilers and switch to low CO_2 energies.

3. Environmental Data

Zeon Polymix Inc. Otsu Plant		FY2009	FY2010	FY2011	FY2012	FY2013
Substances covered by PRTR law	Number of substances	5	5	5	5	5
	Consumption (tons)	194	148	165	146	122.0
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	201	195	171	155	148
	Amount sent to landfill (tons)	95	25	4.0	0.0	0
Water resources (Industrial water + Ground water + Waterworks) consumption (1,000 m^3)		-	-	45	50	49
CO_2 emissions (tons)		1,987	2,230	1,938	2,631	2,740
Energy consumption (crude oil equivalent, kL)		1,507	1,697	1,573	1,534	1,416

Zeon Polymix Inc. Kawagoe Plant		FY2009	FY2010	FY2011	FY2012	FY2013
Substances covered by PRTR law	Number of substances	3	3	-	-	-
	Consumption (tons)	56	9.8	-	-	-
	Amount emitted (tons)	0.0	0.0	-	-	-
Industrial waste	Amount generated (before volume reduction) (tons)	48	46	-	-	-
	Amount sent to landfill (tons)	8.9	12	-	-	-
CO_2 emissions (tons)		414	103	-	-	-
Energy consumption (crude oil equivalent, kL)		266	56	-	-	-

Activities with the Local Community

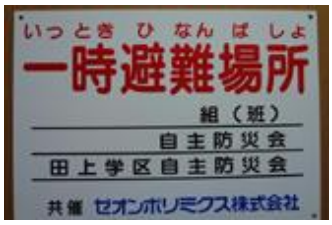
We donated 34 “Temporary Evacuation Site” signboards (25% of the total amount) to the Tanakami School District Independent Disaster Prevention Committee.

On “Tanakami Disaster Prevention Day” on June 27, 2013, approximately 2,000 people took part in practice evacuations and safety checks at temporary evacuation sites.

After the training session, the leaders of the Tanakami Schools Independent Disaster Prevention Committee provided information about the training and expressed their gratitude for the donation of the signboards.

According to the training information, the Temporary Evacuation Site signboards served as markers to speed up training.

We will continue to develop activities so that we can proactively fulfill our role in connection to local activities.



Temporary Evacuation Site signboard