

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



Zeon Polymix Inc.

Environmental and Safety Activities

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

Since achieving zero final landfill emissions in 2011, we have been carrying on with our commitment to reducing in-process losses from the viewpoint of the 3Ms (muri, muda and mura in Japanese, or "impossible, useless and inconsistent" in English) for reducing waste materials and recycling packaging materials. In fiscal 2014, by converting a portion of our general waste into industrial waste in compliance with revisions to ordinances, although our landfill emissions increased slightly on the previous year, we are continuing to actively promote reutilization and other effective uses of the waste we produce by advancing our commitment to reducing waste emissions.

2. Reducing CO₂ emissions

As a part of our fiscal 2014 effort to reduce greenhouse gas emissions, we actively adopted energy-saving equipment and LED lighting. In addition, we are working on reducing emissions of carbon dioxide (CO₂) greenhouse gas by stopping the use of electric power dependent boilers as a fuel conversion. From here onwards, we will be tying-in our environmental measures by analyzing demand and establishing efficient production systems for reducing electrical power consumption.

3. Environmental Data

Zeon Polymix Inc. Otsu Plant		FY2010	FY2011	FY2012	FY2013	FY2014
Substances covered by PRTR law	Number of substances	5	5	5	5	5
	Consumption (tons)	148	165	146	122	113
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	195	171	155	148	160
	Amount sent to landfill (tons)	25	4.0	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption (1,000 m ³)		-	45	50	49	48
CO ₂ emissions (tons)		2,230	1,938	2,631	2,740	2,860
Energy consumption (crude oil equivalent, kL)		1,697	1,573	1,534	1,416	1,388

Activities with the Local Community

1. Participation in flood-prevention training

Due to receiving flood damage caused by typhoon No. 18 in 2013, in order to alleviate any future water damage, we participated in flood-prevention training as a local company, which was conducted in conjunction with the Fire Department and local voluntary disaster-prevention organizations. Actual training was carried out by receiving explanations from the Fire Department about the names and applications of the necessary materials and apparatus, which enabled us to learn how to handle and use the necessary equipment correctly. In our Company's disaster drills also, we will be putting this training to practical use by educating and communicating, and strengthening our systems in readiness for when a disaster occurs. Due to the significance of participating in this training, we will be continuing this activity in future.



Making sandbags at flood-prevention training

2. Participation in activities to protect Lake Biwa's ecosystems

On May 25, 2014, we participated in the exotic fish disinfestation meeting staged by the Lake Biwa Restoration Society as an activity to protect Lake Biwa's ecosystems. Since the 11th meeting, which was staged two meetings previously, for the second time a total of 52 employees with their family members and numerous other people took part. The numbers of fish caught was somewhat disproportionate to the number of participants with the figure staying at about 100 fish, which was a slightly disappointing result. These activities for protecting the ecosystems of Lake Biwa, which is the pride of Shiga prefecture, are a great benefit to conserving the environment. Furthermore, it goes without saying that such activities serve an important role for family participation and communication among work colleagues. As a part of our regional environmental enhancement activities, we will continue to actively join in.



Lake Biwa exotic fish disinfestation meeting