

ZEON Group (Japan)

ZEON Polymix Inc.

Introduction to the Otsu Plant

Under the slogan “Aim to be a high-quality corporation,” ZEON Polymix Inc. has been working to reduce complaints and abnormalities in all processes. In the past, it was considered inevitable that dust particles would be produced during the rubber compound-making process, but now ZEON Polymix is engaged in various initiatives to create a “dust-free plant.” Having reexamined how to best extract dust from where it occurs, along with reexamining the ways in which work is conducted, the company is moving forward with a full-fledged plan to break ground on a dust-preventing plant in fiscal 2012.



A break room

In addition the central control room was remodeled and a new break room was built in fiscal 2011 to improve working environments.

With “3S and 3Tei”^{*} for on-site operations, ZEON Polymix aims to make plants that are stable and safe, and has launched the Warehouse 3S and 3Tei Improvement Project. It is implementing the creation of a structure that conforms to 3-shift operating framework and whereby storage can be preformed from the perspective of “results, safety, and ease.”

^{*}3S and 3Tei

Seiri, Seiton, and Seisou (or neatness, orderliness, and cleanliness) as well as *Teii, Teihin, and Teiryo* (or fixed positioning, fixed products, and fixed quantity)

Environmental and Safety Activities

1. Efforts for Zero Emission from Industrial Waste

Activities to reduce landfill disposal were started in fiscal 2003 (when more than 180 tons were disposed in landfills). Separation, recycling and intermediate treatment contractors were selected and landfill disposal was reduced to 4 tons in fiscal 2011. As a result, recycling rate was increased to 97% and is expected to reach 100% in fiscal 2012.

2. Environmental Data

ZEON Polymix Inc. Otsu Plant		FY2007	FY2008	FY2009	FY2010	FY2011
Substances covered by PRTR law	Number of substances	6	5	5	5	5
	Consumption (tons)	171	90	194	148	165
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	216	167	201	195	171
	Amount sent to landfill (tons)	121	101	95	25	4.0
Water resources (Industrial water + Ground water + Waterworks) consumption (1,000 m³)		-	-	-	-	45
CO₂ emissions (tons)		2,757	2,250	1,987	2,230	1,938
Energy consumption (crude oil equivalent, kL)		1,634	1,329	1,507	1,697	1,573

ZEON Polymix Inc. Kawagoe Plant		FY2007	FY2008	FY2009	FY2010	FY2011
Substances covered by PRTR law	Number of substances	6	3	3	3	-
	Consumption (tons)	62	81	56	9.8	-
	Amount emitted (tons)	0.0	0.0	0.0	0.0	-
Industrial waste	Amount generated (before volume reduction) (tons)	150	90	48	46	-
	Amount sent to landfill (tons)	93	51	8.9	12	-
Water resources (Industrial water + Ground water + Waterworks) consumption (1,000 m³)		-	-	-	-	-
CO₂ emissions (tons)		994	855	414	103	-
Energy consumption (crude oil equivalent, kL)		571	352	266	56	-

Activities with the Local Community

At the 2011 Otsu Citizens Ekiden, an event held every February, ZEON Polymix provided restrooms and rest areas to serve as relay points, providing further cooperation to the event by preparing pathways, stairs and guide plates to restrooms.

The company name was listed in the event pamphlet as an event partner company leading to higher name recognition among the citizens of Otsu city.

Despite being held on a Sunday, 62 employees (nearly 70% of all employees) gathered to cheer on the company team which was able to set a new company record of 27th place (out of 41 teams). ZEON Polymix will continue to actively participate in activities in the local community.



Ekiden relay point in front of company



Sign leading to newly built restroom