

Targets and Results

The goals and results of the initiatives for environmental preservation under the fiscal 2012 Responsible Care activities are as follows.

Review of FY2012 Targets and Results

★★★Target reached ★★Target almost reached ★Improvement needed

Theme	FY2012 Targets	FY2012 Results	Self - assessment	FY2013 Targets
Eliminate environment incidents	Zero environment incidents	Environment incidents: 1	★	Zero environment incidents
Reduce environmental impact	(1) Implement voluntary management plan for air-polluting toxic substances			
	Reduce acrylonitrile emissions from 2011 level of 13.0 tons to 10 tons	Acrylonitrile: 13.6 tons	★	Reduce acrylonitrile emissions from 2012 level of 13.6 tons to 10 tons
	(2) Implement zero emissions plan for industrial waste			
	Less than the volume of waste sent to landfill in 2011 (4.1 tons)	Final landfill amount 9.6 tons	★★	Less than the volume of waste sent to landfill in 2012 (9.6 tons)
	Final amount to landfill for domestic group companies 25 tons (Landfill disposal rate: 2007 emission standards) 1.0%	Final landfill amount 27 tons	★★	Final amount to landfill for domestic group companies under 7.5 tons (Landfill disposal rate: 2007 emission standards) 0.3%
	(3) Strengthen company-wide energy conservation project			
	Reduce unit energy consumption* to 72.3%→66% of 1990 level	Unit energy consumption was 67.8% of the 1990 level	★	Reduce unit energy consumption to 67.8%→66% of 1990 level
Reduce unit CO ₂ emissions to 75.4%→69% of 1990 level	Unit CO ₂ emissions was 68.7% of the 1990 level	★★★	Reduce unit CO ₂ emissions to under 68.7% of 1990 level (less than 2012 level)	

* Per production volume

We had no environmental incidents* for four years until fiscal 2011, but in fiscal 2012 one incident did occur. Fortunately there was not external impact, but we have taken the incident seriously and are working to prevent reoccurrences.

Targets for the final amount of industrial waste sent to landfills for group companies in Japan were set starting in fiscal 2012. The actual amount nearly achieved the target.

In the future, we will continue to focus on reducing at group companies the amount of industrial waste sent to landfill as well as emissions of acrylonitrile. We will also focus on reducing unit energy consumption and unit CO₂ emissions by an average of 1% per year.

* Environmental incident

In company rules, an environmental incident is defined as, "Any instance in which standards set by laws related to the environment, or standards set independently are not met. Or, any instance in which there is a chance that standards will not be met under normal procedures, even if standards are actually met. Or, any instance a complaint is received or a complaint would have been received if things had been left alone, even if there is no set standard."