

Reducing waste generation and waste to landfill

← P12 CSR Policy 5

Reducing waste generation and promoting recycling

2007 Result: Waste generation: 79% of 2000 levels
(Target: 79% or less)
Recycling rate: 86% (Target: 88%)

2008 Target: Waste generation: 78% or less of 2000 levels
Recycling rate: 88%

The Hitachi Chemical Group established a Waste Committee to review and exchange information associated with the action plans of major works and Group companies to systematically promote waste reduction and recycling. We have been also exploring technologies for converting existing products into resource-recycling products as well as process innovations that have used our own analytical tools since fiscal 2006.

In 2007, we improved our manufacturing processes to generate less waste, including shifting to reusable cushioning material in the press process and implementing solvent recovery and reuse in the coating process. In addition, we improved the waste recycling rate by reinforcing segregation. Due to such factors as an overall increase in production, however, waste generation totaled 37,800 tons on a non-consolidated basis and 81,800 tons on a consolidated basis, representing 73% and 79% of 2000 levels, respectively, while our recycling rate was 99% on a non-consolidated basis and 86% on a consolidated basis, essentially maintaining the levels of the previous year. Going forward, we will make progress in eliminating waste and introducing process innovations in specific production processes to generate less waste.

Decreasing waste to landfill

The Hitachi Chemical Group has been promoting new production methods and recycling to reduce waste to landfill. As a result of these activities, we achieved zero emissions*1 at all 28 domestic sites in fiscal 2006.

Generation of landfill waste in fiscal 2007 amounted to 1.4 tons on a non-consolidated basis and 619 tons on a consolidated basis (35 tons for domestic sites, on a consolidated basis), while the waste to landfill ratio*2 was 0.0037% on a non-consolidated basis and 0.76% (0.053% in Japan) on a consolidated basis. We will continue efforts to reduce the amount waste we produce and maintain zero-emissions.

*1 The Hitachi Chemical Group defines "zero emissions" as reducing the ratio of waste to landfill to no more than 1% and less than 5 tons in volume at each site.

*2 Ratio of waste to landfill: amount of waste to landfill / amount of waste generated.

Promoting recycling in overseas Group companies

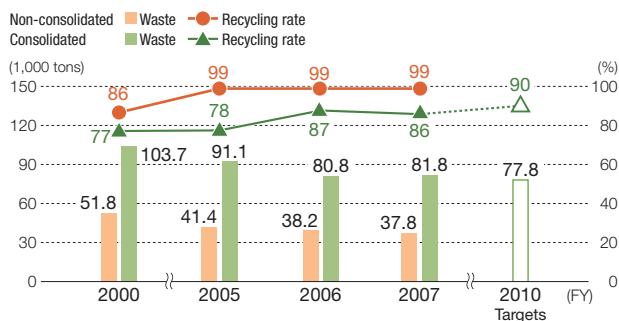
The Hitachi Chemical Group is also pursuing recycling abroad by exchanging ideas and sharing information at annual Overseas Block Environmental Safety Conferences held in Southeast Asia and China.

For example, Hitachi Chemical (Dongguan) Co., Ltd. (HCDG: China) and Hitachi Chemical (Johor) Sdn. Bhd. (Malaysia) are engaged in an initiative involving the repeated use of secondary materials, such as the center core of photographic sensitive film, in cooperation with customers, as we do in Japan. As of February 2008, HCDG is implementing the initiative with eight customers participating.



Overseas Block Environmental Safety Conference

Amount of waste and recycling rate



Waste to landfill and waste to landfill ratio

