

Reducing Waste Generation and Wastes to Landfill

Targets for 2004

- **Zero emissions initiative**
At each site, the ratio of wastes to landfill shall be 1% or less of the total amount of waste generated and their weight shall be less than 5 tons a year.
- **Waste generation: 100% or less of 1991 levels**
- **Recycling rate: 84% or more**

Results for 2004

- **Non-consolidated: 8 sites (100%)** achieved by all sites
- **Consolidated: 21 sites (58%)**
- **Non-consolidated: 124%**
- **Consolidated: 126%**
- **Non-consolidated: 90%** target achieved
- **Consolidated: 81%**

Targets for 2005

- **Zero emissions initiative**
At each site, the ratio of wastes to landfill shall be 1% or less of the total amount of waste generated at each site and their weight shall be less than 5 tons a year.
- **100% or less**
- **85% or more**

Waste generation in 1991 on a consolidated basis was estimated from the proportion of waste generation in 1991 and 2000 on a non-consolidated basis.

Reduction of waste generation and promotion of recycling

In 2004, the Hitachi Chemical Group generated 40,576 tons of wastes on a non-consolidated basis and 102,683 tons on a consolidated basis, marking 124% on a non-consolidated basis and 126% on a consolidated basis compared to 1991. Although waste generation has increased in proportion to the increase in production, the Group aims at reducing waste generation by developing resource saving products and innovative production methods. The Group also promotes the 3R's initiative, meaning reduce, reuse, and recycle wastes. It is determined to increase the recycling rate* to 90% or more by the end of 2010. Wastes

recycled in 2004 amounted 36,680 tons on a non-consolidated basis and 83,167 tons on a consolidated basis, each meaning 90% and 81% of the recycling rate.

* Recycling rate: Wastes recycled/wastes generated

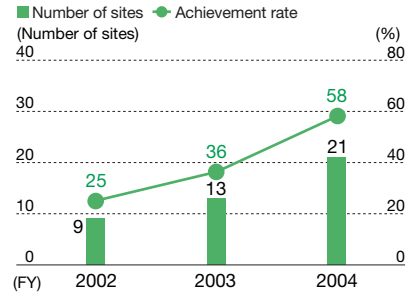
Promoting the zero emissions initiative to reduce wastes to landfill

The Hitachi Chemical Group promotes the zero emissions initiative through changeover of production methods, separation and collection, and recycling. The amount of wastes to landfill generated by the Group in 2004 amounted to 1.6 tons on a non-consolidated basis (total of 8 sites) and 3,988 tons on a consolidated basis (total of 36 sites). The ratio of

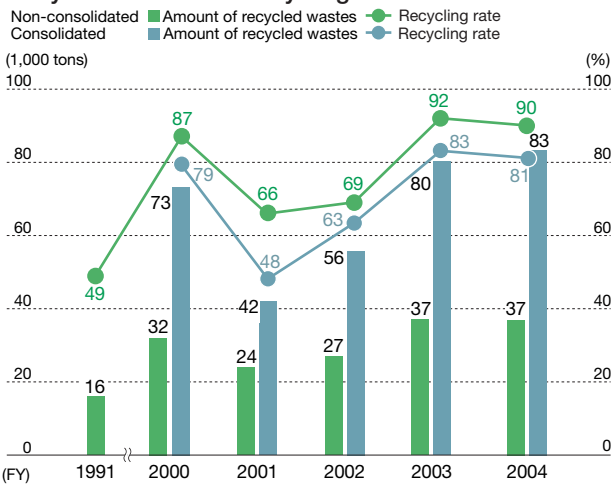
wastes to landfill* was 0.004% on a non-consolidated basis and 3.9% on a consolidated basis. The number of sites that achieved zero emissions increased from 13 in 2003 to 21 in 2004, marking an achievement rate of 58%.

* Ratio of wastes to landfill: amount of wastes to landfill/wastes generated

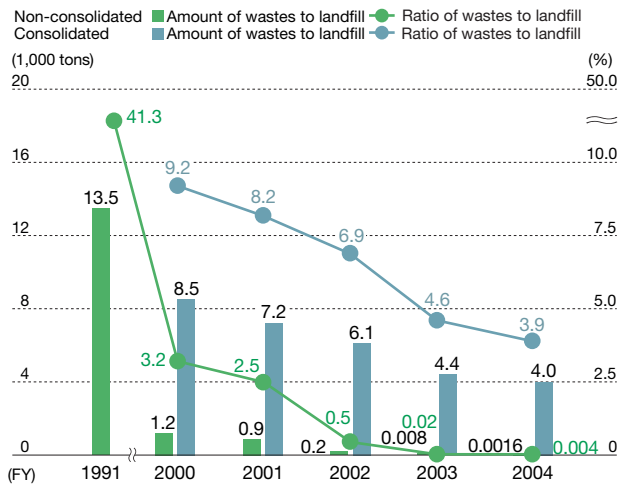
Number of sites that achieved zero emissions



Recycled wastes and recycling ratio



Wastes to landfill and their ratio



* From this issue, the amount of recycled wastes is calculated as a sum of the amount of directly recycled wastes and the amount of recycled wastes after intermediate treatment.