

Reducing Environmental Impacts in the Production Processes (2)

Efforts to Prevent Air Pollution

Reduction of VOC emission

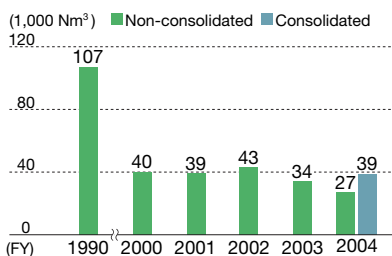
In 2004, for the reduction of VOC emissions, the Hitachi Chemical Group identified the facilities (of coating, drying, baking, and cleansing) that potentially emit VOC of 50 tons or more per year. Hereafter, the Group will heed the restriction on VOC*, which is to be enforced in 2006, and prevent pollution by reducing VOC emissions.

* **Restrictions on VOC:** Amended Air Pollution Control Law that restricts the VOC density in the substances emitted from the vents of facilities to the air. Promulgated in May 2004.

Reduction of SOx emissions

SOx emissions by the Hitachi Chemical Group in 2004 amounted to 27,000 Nm³ on a non-consolidated basis and 39,000 Nm³ on a consolidated basis. The figure on a non-consolidated basis was reduced to 25% compared to 1990. This is due to the conversion of the fuel type used in the combustion facilities causing SOx, improvement in efficiency of production equipment and reduction of fixed energy.

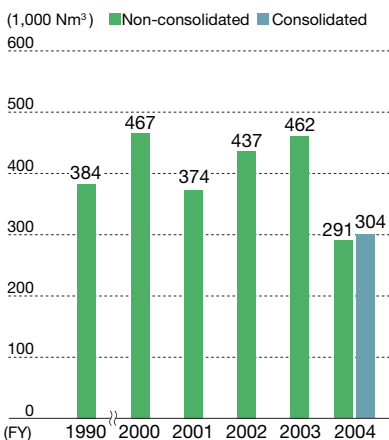
SOx emissions



Reduction of NOx emissions

NOx emissions by the Hitachi Chemical Group in 2004 came to 291,000 Nm³ on a non-consolidated basis and 304,000 Nm³ on a consolidated basis. The figure on a non-consolidated basis was reduced to 76% compared to 1990. Reduction to 63% of the previous year was achieved by adjusting operating conditions of combustion facilities and improving efficiency of production equipment.

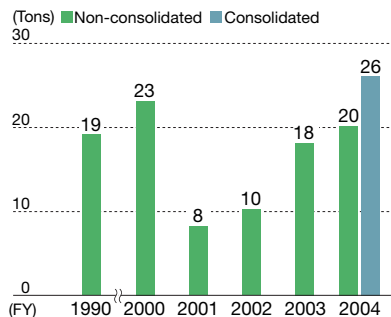
NOx emissions



Reduction of soot and dust discharge

Discharge of soot and dust by the Hitachi Chemical Group in 2004 amounted to 20 tons on a non-consolidated basis and 26 tons on a consolidated basis. The Group will make its utmost efforts to reduce the amount by continuously enhancing the performance of dust collectors. In 2004 as well, dioxin density in the soot emitted from incinerators subject to the Law Concerning Special Measures against Dioxins was below the emissions standard (10 ng-TEQ/m³).

Discharge of soot and dust



Complaints about Odor etc.

In 2004, the Hitachi Chemical Group received six complaints from the local communities about odor from production sites. The Group took proper measures including prompt investigation of the complaints, identification of the causes, enhanced inspection of the source, separation of the source of odor and introduction of treatment equipment. It is committed to continuing the introduction of a regenerative deodorizing system into the production processes and endeavoring to improve the environment around factories.



Regenerative deodorizing system