

Realizing a Sustainable Society For the Global Environment

Preventing pollution from chemical substances

← P5 CSR Policy ⑤

● Reducing emissions of chemical substances

2006 Result: **20% of 2000 levels** (Target: 30% or less)

2007 Target: 20% or less of 2000 levels
VOC: 25% or less

In 2006, in addition to installing new exhaust processing equipment and improving our manufacturing process, we switched from raw materials controlled under the PRTR Law to those not identified in the law. Consequently, chemical substances released into the atmosphere amounted to 831 tons on a non-consolidated basis and 1,255 tons on a consolidated basis, representing 15% and 20% of 2000 levels, respectively.

The Hitachi Chemical Group is also working to reduce our use of substances controlled by the PRTR Law or subject to voluntary control, such as n-butane and isobutane, as well as VOCs that are not targeted for control, by applying alternatives. In 2006, we reduced VOC emissions to 20% of 2000 levels on a non-consolidated basis and 23% on a consolidated basis. We will continue to comply with VOC emission level standards and systematically reduce these emissions by introducing exhaust processing equipment.

● Preventing air, water and groundwater pollution

The Hitachi Chemical Group is striving to reduce emissions of sulfur oxide (SOx), nitrogen oxide (NOx), soot and dust by converting from heavy oil fuels to natural gas, optimizing operating conditions for boilers and installing dust collectors.

We are preventing water pollution by systematically reinforcing the capacity of our waste water processing equipment and introducing automated surveillance equipment. In addition, we are thoroughly committed to complying with voluntary control standards that are stricter than legal standards and with pollution prevention agreements signed with local governments.

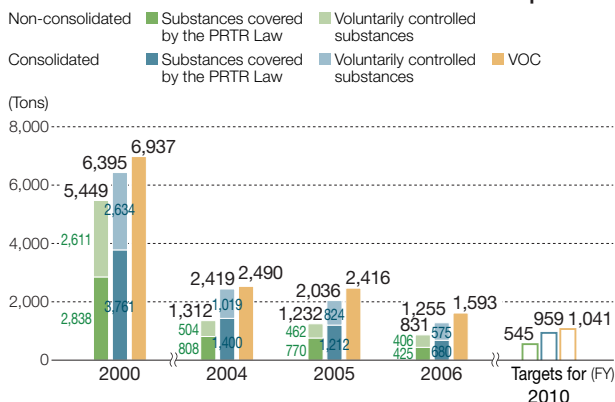
● Control of hazardous chemical substances

The Hitachi Chemical Group stores transformers and other equipment containing polychlorinated biphenyls (PCBs) under the appropriate control and plans to complete treatment of all PCBs under storage at external disposal sites and treatment facilities by July 2016.

Response to local resident complaints

In 2006, the Hitachi Chemical Group received complaints from local residents concerning noise, and promptly responded by investigating the causes and taking the appropriate countermeasures. We are also dealing with odor by systematically introducing deodorizing equipment and exhaust processing equipment to safeguard the comfort of local residents.

Release of chemical substances into the atmosphere



VOC emissions reduced by approximately 96% by introducing exhaust processing equipment

Noda Works of Hitachi Kasei Polymer Co., Ltd. introduced thermal rotating exhaust processing equipment (see p. 32, upper-left image) for disposing of toluene, ethyl acetate, methyl ethyl ketone and other chemicals that are emitted from the drying furnace of the adhesive tape coater, and reduced VOC emissions to 95.7% of 2000 levels.

The equipment cleans exhaust by collecting all organic solvents generated by the drying furnace in the exhaust duct and burning them in thermal rotation combustion equipment. A soundproof chamber controls noise from the deodorizing fan and combustion blower.