

## Promoting zero emissions to realize a recycling society

### Zero Emissions

#### Achieved zero emissions with a domestic recycle rate of 99.9%

The NTN group defines zero emissions as 1% or less of total waste going to landfill, and works steadily to improve its recycling rate. In fiscal 2009, we worked towards the goal of zero emissions by targeting a recycle rate of 99.5% for our domestic group companies and 96.3% for our overseas group companies.

Our domestic group companies were able to reach the target, achieving a 99.9% recycle rate, but our overseas group companies achieved a recycle rate of 95.6%.

Domestically, we worked not only to increase our recycle rate but also to reduce the amount of landfill waste, working to decrease this waste to 25 tons/month or less. We ultimately achieved a level of 4.9 tons/month, far below the target.

#### Achieving recycling of discarded brick waste

In fiscal 2009, NTN Casting Corp. achieved a 100% recycle rate for its brick waste, which it had previously discarded. While the company has for years promoted the recycling of waste sand and slag generated from the casting process, the recycling of the heat-resistant bricks used in the smelting furnaces for casting had emerged as an issue. With the skill now developed to separate brick waste, thus enabling collection by waste specialists, the waste can now be put through stone crushers and pulverized for use as road paving materials.



Stone crusher

### Proper Processing of PCB Devices

#### Properly discarding of PCB devices

Japanese law calls for the proper storage and management of equipment and devices containing polychlorinated biphenol (PCB), and the completion of any processing for the disposal of these products by the end of 2016. For its part, the NTN group properly disposed of 59 such units in fiscal 2009. PCB was frequently used as an insulating oil in capacitors and transformers.

Devices stored at the former Takarazuka Works, NTN Kongo Corp., and the NTN Head Office were targeted in this latest disposal and processing. In the future, we intend to work with other operating sites to systematically process and dispose of devices containing PCB.



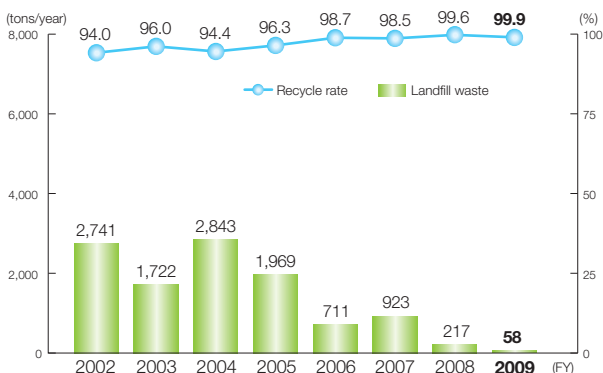
Hauling of PCB devices (former Takarazuka Works)

### Initiatives to Prevent Air Pollution

#### Elimination of halon fire extinguishers

The NTN group is planning for the complete elimination of halon-based fire extinguishers by the end of 2010. Halon fire extinguishers are most frequently used at electrical facilities but contain CFCs, which can destroy the ozone layer. For this reason, we have been executing plans drawn up in 1998 to completely abolish the use of halon fire extinguishers, to be replaced with CO<sub>2</sub> extinguishers. Only 23 halon fire extinguishers remained at the end of fiscal 2009.

#### Recycle rate and Landfill waste



#### Number of remaining halon fire extinguishers

