

Results for Fiscal 2004 and Targets for Fiscal 2005

Results for Fiscal 2004

As our environmental goal for fiscal 2004, NTN upheld 13 concrete targets (domestic: 11 items, overseas: 2 items) in three categories: "Conservation of global environment," "Contribution to a recycling society," and "Maintenance and improvement of environmental management system." As a

result, we were able to meet our targets for 11 items, such as the reduction of CO₂ and maintaining zero emission (domestic).

Concerning the promotion of zero emission, we were able to maintain a high standard of 99% in Japan, but for overseas, which we added to our target last year, we were unable to achieve zero emission. In the future, we will promote activities to improve various forms of recycling overseas.

In addition, with regards to the conservation of resources such as with packing materials and recoverable resources (Styrofoam, cardboard, paper, etc.), we have met all our number targets. Our voluntary target of phasing out coolants that contain chlorine is not a legal restriction, and we were unable to meet our target. We will continue to work towards an early phase out of chlorine in coolants.

Objective		Target for Fiscal 2004		Result for Fiscal 2004	Evaluation*1)	Page
Conservation of Global Environment	Reduce CO ₂ emission	Domestic	• CO ₂ emission rate:*2) 17% reduction relative to fiscal 1997	• CO ₂ emission rate: 18% reduction relative to fiscal 1997		P17
		Overseas	• CO ₂ emission rate: 2% reduction relative to fiscal 2002	• CO ₂ emission rate: 4% reduction relative to fiscal 2002		
	Prevent air, water and ground pollution	Domestic	• Number of halon extinguishers replaced with carbon dioxide extinguishers: 175 units or more	• Number of halon extinguishers replaced with carbon dioxide extinguishers: 198 units or more		P18
		Domestic	• Complete phase out of coolants that contain chlorine	• Number of switches from coolants containing chlorine: 3 (2 switches left)		P18
		Domestic	• Complete decontamination of the two closed operation sites	• Decontamination of the two closed operation sites completed		P19
Create Recycling society	Reduce waste	Domestic	• Promote zero emission: recycle rate 98% or more*3)	• Promote zero emission: recycle rate 99%		P18
		Overseas	• Promote zero emission: recycle rate 94% or more	• Promote zero emission: recycle rate 87%		
	Protect resources	Domestic	• Styrofoam: 75% reduction relative to fiscal 1999	• Styrofoam: 79% reduction relative to fiscal 1999		P19
		Domestic	• Use of cardboard boxes: 18% reduction relative to fiscal 1998	• Use of cardboard boxes: 19% reduction relative to fiscal 1998		P20
		Domestic	• Paper consumption: 20% reduction relative to fiscal 1998	• Paper consumption: 23% reduction relative to fiscal 1998		
		Domestic	• Paper recycle rate: maintain 100% or more	• Paper recycle rate: 143%		
Maintain and improve environmental management structure	Promote green procurement	Domestic	• Switching from various controlled substances	• Promoting switchover from phthalate esters		P13
	Promote environment management of the supply chain	Domestic	• Support the acquisition of ISO14001 and Eco Stage for suppliers	• Held EMS establishment seminars • Started certification support for Eco Stage Introductory Level as a trial activity		P14

*1) Symbols for evaluation: achieved/promoted, not achieved

*2) CO₂ emission rate (ton/million yen) = $\frac{\text{CO}_2 \text{ emission (ton)}}{\text{Sales added value amount (million yen)}}$

*3) Recycling percentage (%) = $\left(1 - \frac{\text{Final amount disposed of by landfill (tons)}}{\text{Total amount discharged (tons)}}\right) \times 100$

Environmental Target for Fiscal 2005

The environmental targets for fiscal 2005 were based on the efforts and results of fiscal 2004. This year's targets also included concrete items to further reduce environmental hazard.

For "Conservation of global environment," we are working to reduce environmental hazards by

promoting activities such as CO₂ emission reduction and development of eco-friendly products. Additionally, we have expanded the regional environmental preservation activities at Iwata Works and started participating in local greening activities on a corporate level.

For "Create a recycling society," we continued our efforts to maintain zero emission in Japan and expanded use of the grinding swarf

briquetting machine to overseas sites in order to promote zero emission.

For "Maintaining and improving the environmental management system," we enhanced our environmental hazardous substance management system and promoted voluntary elimination to improve green procurement.

Objective		Target for Fiscal 2005		Target for Fiscal 2010
Conservation of the global environment	Reduce CO ₂ emission	Domestic	<ul style="list-style-type: none"> • CO₂ emission rate: 20% reduction relative to fiscal 1997 • Energy conservation diagnosis and improvements for major Works 	<ul style="list-style-type: none"> • CO₂ emission rate: 25% reduction relative to fiscal 1997
		Overseas	<ul style="list-style-type: none"> • CO₂ emission rate: 2% reduction relative to fiscal 2004 	<ul style="list-style-type: none"> • CO₂ emission rate: 10% reduction relative to fiscal 2002
	Prevent air, water and ground pollution	Domestic	<ul style="list-style-type: none"> • Number of halon extinguishers replaced with carbon dioxide extinguishers: 115 units or more 	<ul style="list-style-type: none"> • Phasing out of halon extinguishers
		Domestic	<ul style="list-style-type: none"> • Elimination of coolants with chlorine: phase out (2 remaining) 	
		Domestic	<ul style="list-style-type: none"> • Response to Soil Contamination Countermeasures Law 	
	Promote the development of eco-friendly products	Domestic	<ul style="list-style-type: none"> • Sales amount for eco-friendly products: +10% relative to fiscal 2004 	<ul style="list-style-type: none"> • Sales amount for eco-friendly products: +60% relative to fiscal 2004
Participation in Regional Environmental Preservation Activities	Domestic	<ul style="list-style-type: none"> • Participation in regional green activities 		
Create a Recycling society	Reduce waste materials	Domestic	<ul style="list-style-type: none"> • Promote zero emission: recycle rate 98% or more 	<ul style="list-style-type: none"> • Continue Zero emission
		Overseas	<ul style="list-style-type: none"> • Promote zero emission: recycle rate 94% or more 	<ul style="list-style-type: none"> • Promote zero emission: recycle rate 98% or more (target for fiscal 2006)
	Protect resources	Domestic	<ul style="list-style-type: none"> • Styrofoam: 84% reduction relative to fiscal 1999 	<ul style="list-style-type: none"> • Complete phase out of Styrofoam
		Domestic	<ul style="list-style-type: none"> • Paper consumption: 28% reduction relative to fiscal 1998 	<ul style="list-style-type: none"> • Paper consumption: 50% reduction relative to fiscal 1998
Maintain and improve environmental management structure	Promote green procurement	Domestic	<ul style="list-style-type: none"> • Establish environmental hazardous substance management structure • Establish green procurement policy • Respond to customers' audits • Promote elimination of phthalate esters 	
	Promote ISO14001 Multi-Site Certification	Domestic	<ul style="list-style-type: none"> • Acquired the certification for NTN Mie Works 	
	Promote environment management of the supply chain	Domestic	<ul style="list-style-type: none"> • Support suppliers' acquisition of ISO14001 and others 	
	Respond to new laws	Domestic	<ul style="list-style-type: none"> • Respond to ISO14001 (2004 version) • Respond to revised Energy Conservation Law • Respond to VOC emission control 	