

Environmental Aspects

Reducing Waste Generation and Conserving Resources

Developing recycling devices and reducing waste to help create a recycling society

NTN receives award for resource recycling technology and systems

The Electric Arc Furnace (EAF) dust recycling system jointly developed with another company, is recognized with an Encouragement Prize

The technology resulted from a project called "Creation of a briquetting device and recycling system for EAF dust" and was developed jointly with EAF steelmaker Daiwa Steel Corp. The idea was recognized with an Encouragement Prize in the "Resource recycling technology and systems" category by the Clean Japan Center, a foundation affiliated with the Ministry of Economy, Trade, and Industry.

This award system was established to recognize and increase the number of companies and effort working to reduce, reuse, and recycle waste. It is difficult with EAF dust to make environmental improvements and reduce cost simultaneously, but through this jointly-developed technology, our two companies were able to contribute to creating a recycling society.



The award ceremony



EAF dust briquetting machine

Solving industrial problems to contribute to environmental preservation

Shozo Goto

Formerly of the Equipment Development Department
Production Engineering R&D center



Recycling EAF dust was an issue that has long plagued the EAF steel production industry. As we worked on the grinding swarf briquetting technology, we were able to devise a low-cost recycling method for EAF dust.

Zero emissions

Achieved zero emissions with a domestic recycle rate of 99.6%

Since fiscal 2008, the NTN Group has defined zero emissions no more than 1% of total waste going to landfill. In fiscal 2008, we worked to achieve zero emissions with a recycle rate of 99% 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 99.6% recycle rate, but our overseas group companies achieved a recycle rate of 92.4%.

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 43 tons/month or less. We looked at the slag generated in the casting processes of NTN Casting Corp., which had been disposed of as industrial waste, and worked to recycle the steel portion of this slag, which reduced NTN's domestic landfill waste to 18.1 tons/month, far below the target.

NTN's Head Office receives a letter of appreciation from the Mayor of Osaka for its efforts to reduce garbage

In October 2008, NTN's Head Office was given a letter of appreciation as a "company distinguished for continuously reducing garbage" from the Mayor of Osaka.

We have continued to reduce waste based on ISO 14001 activities through waste reduction activities such as reducing paper usage as well as by sorting and recycling garbage. Going forward, we will work to reduce garbage at not only at the Head Office building, but throughout the entire company.

