

# Waste

## Fiscal 2011 Topics

- A portion of the coating wastewater treatment has been changed from outsourced to in-house.

## Basic Philosophy

The NGK SPARK PLUG Group aims to use resources to the maximum, and therefore works first and foremost to reduce the volume of waste generated, and to recycle what is generated.

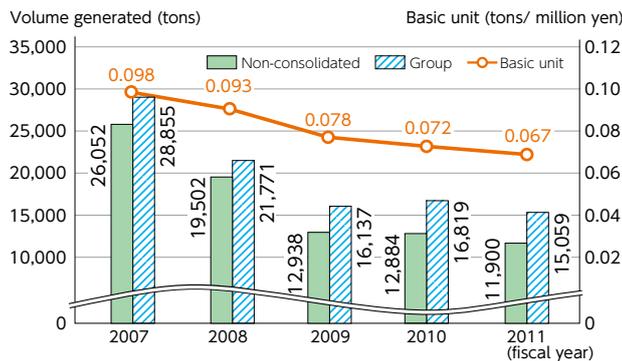
## Results of the Fiscal 2011 Targets, and the Fiscal 2012 Targets

Details

In fiscal 2011, the Group aimed for per unit production of 0.072 tons/ million yen. Reduction efforts resulted in 0.067 tons/ million yen, thus achieving the target. The total volume of generated waste for fiscal 2011 was 15,059 tons, down 10.5% in comparison with fiscal 2010. The rate of

effective utilization was 98.9%, and we have maintained zero emissions since fiscal 2005. For fiscal 2012, we aim to further reduce waste, with our target set at per unit production of 0.070 tons/ million yen (a 28.6% reduction compared to 2007).

### Trends in volume of waste generated



### VOICE

I am in charge of waste management at the Ise Plant Recycling Center. At the base of our activities is the reduction of waste volume, but for waste that is generated, we try to select treatment methods that allow recycling whenever possible. We are constantly aware of the three Rs (Reduce, Reuse, Recycle) whenever we handle waste.

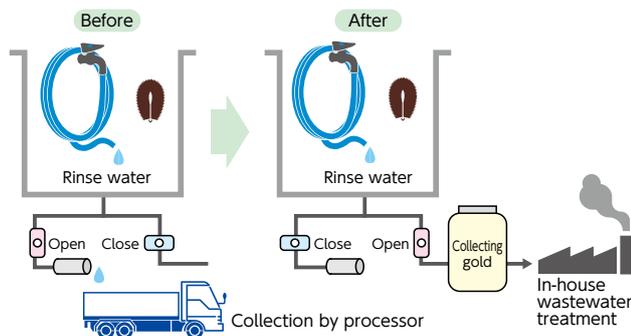


Norio Okumura  
Environment & Safety Management Dept.

## PICK UP Waste reduction through reviewing the wastewater destination - Komaki Plant

Washing the gold-coating tank generates rinse water. This rinse water contains traces of gold, but it had conventionally been regarded as wastewater, and its collection had been outsourced.

This process has been reviewed; now, the gold is collected within the company, after which the water is treated at a wastewater facility. This resulted in approximately a 40% reduction in waste.



### VOICE

This waste reduction effort has been a part of the streamlining project. Reducing fixed costs also resulted in waste reduction, an outcome I am very pleased with. I hope to continue working on projects that contribute to the betterment of the environment.



Takayuki Sakai, Supervisor  
Production Dept.  
Organic Package Div.