

# 14. Effective Utilization of Resources 1/2

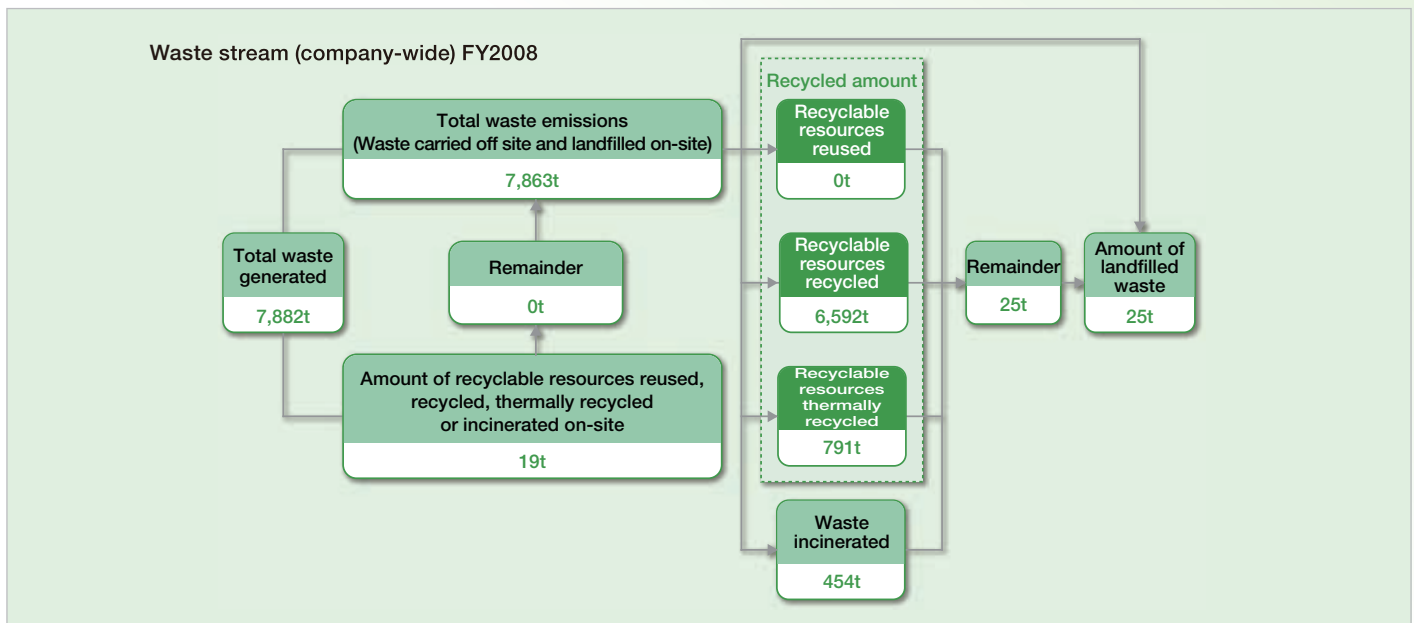
Global resources are limited. Terumo utilizes the resources it requires in the most effective and efficient way possible. We monitor the input and output of resources across all businesses, improving processes to reduce waste and increase recycling throughout the entire company. Our efforts to minimize our environmental impact are continuous and ongoing.

## Making efforts to reduce the amount of landfilled waste

Manufacturing processes and business activities at our factories, R&D Center and offices generate a variety of waste. We have therefore set a target of zero waste emissions—defined as “an amount of landfilled waste equal to less than 1% of the total amount of waste generated”—for all of our sites in Japan, excepting our sales offices. To ensure we achieve this reduction target, we urge rigid adherence to the proper sorting of waste and continue to refine our waste treatment methods and rules. In fiscal 2008, only 0.3% of our total waste by volume was disposed as landfill, meaning that we achieved our zero emission target for the fifth consecutive year.

## Promoting recycling

While our Industrial Waste Group (one of our specialized environmental groups) plays a big role in sharing important information among sites, all our associates make efforts to recycle. Due to their unique properties and product safety concerns, it is not usually possible to recycle our products for use in other medical products. We do, however, recycle their component materials for use in other plastic products including floor tiles and recycled plastic fuel (RPF). Also, organic sludge generated from wastewater treatment is recycled into organic fertilizer. Our recycling rate reached 94% in fiscal 2008.



## Reducing waste emissions by the in-house liquefying of waste plastic for recycling

We have established an experimental facility at our Kofu Factory to pyrolyze and liquefy waste plastic generated in syringe or other production processes, and have started research into how to use pyrolysis oil as an energy source. By not outsourcing the treatment of waste plastic and instead recycling it within the factory, we intend to achieve the following:

- (1) Effective use of resources
- (2) Reduction of risks involved in outsourcing industrial waste treatment
- (3) Reduction of CO<sub>2</sub> emissions in waste transportation



Liquefaction equipment and collected oil

We are conducting further research to control the state of pyrolysis oil in order to be able to use it more effectively.

# 14. Effective Utilization of Resources 2/2

## Initiatives to recycle small rechargeable batteries

We continue to recycle small rechargeable batteries in accordance with the Act on the Promotion of Effective Utilization of Resources. The Japan Portable Rechargeable Battery Recycling Center (JBRC), which promotes the recycling of small rechargeable batteries, collects and recycles used small rechargeable batteries from Terumo products. We have made several improvements to make the recycling separation processes for our products easier, including displaying a recycling logo. In addition, we collect and recycle spent small sealed lead-acid batteries when we replace them during maintenance. We will continue to collect and recycle small rechargeable batteries.



## Collection and recycling performance in FY 2008 (April 2008 to March 2009)

(Unit: kg)

Nickel-cadmium	6,470
Nickel-hydride	275
Lithium ion	27
Small sealed lead-acid	386

## Auditing waste-treatment contractors

To confirm that the sludge and waste plastics generated by Terumo are appropriately processed throughout all stages of treatment, we have prepared a checklist that we use in our regular audits of our waste collection and disposal contractors. In fiscal 2008, we audited 38 contractors.

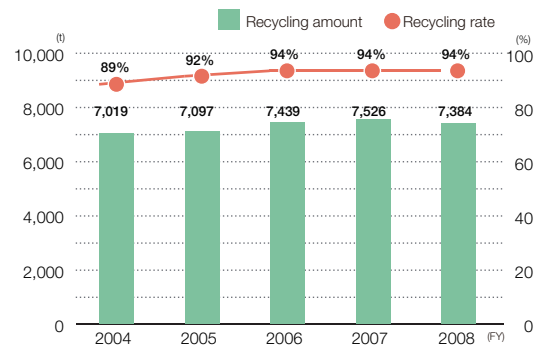


Auditing a waste-treatment contractor

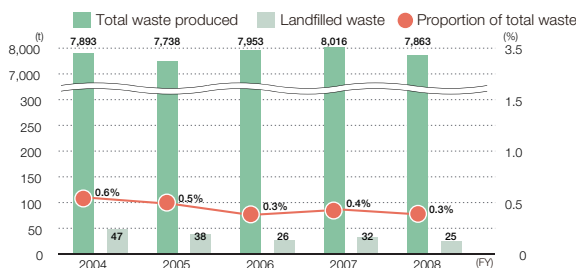
### Target for the Reduction of Landfilled Waste:

Reduce the amount of landfilled waste to less than 1% of the total amount of waste generated (sales offices excepted) (= Zero waste emissions)

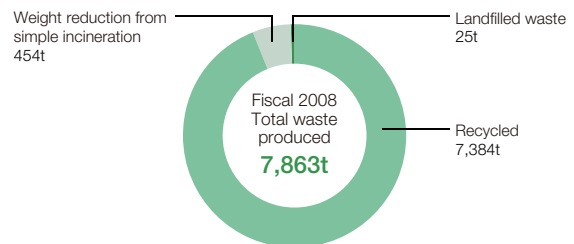
## Recycling amount and rate



## Total amount of landfilled waste



## Total domestic waste and breakdown of disposal or treatment method



## Effective utilization of water resources

At Terumo we are optimizing our use of water resources and circulating and reusing the water we use for cooling. In fiscal 2008, we reduced our water usage by 5% over the previous year to 3,236 million m<sup>3</sup> by reviewing our production processes. Although we expect production levels to continue to rise, we will make every effort to maintain our water consumption at the FY 1990 level or below.

### Target limit of water resources use

Maintain water use at or below FY 1990 level

## Water use

