Towards a Recycling-based Society

In order to contribute towards the formation of a recycling-based society, KUBOTA is involved in efficient resource utilization on a companywide level and in promoting zero-emission goals. To that end, we are working to reduce, reuse and recycle the waste that is generated throughout all of our plants and offices.

FY2007 targets

・Waste discharge per unit output (Waste discharge / Internal manufacturing output) ⋯ Reduced by 4% over FY2005
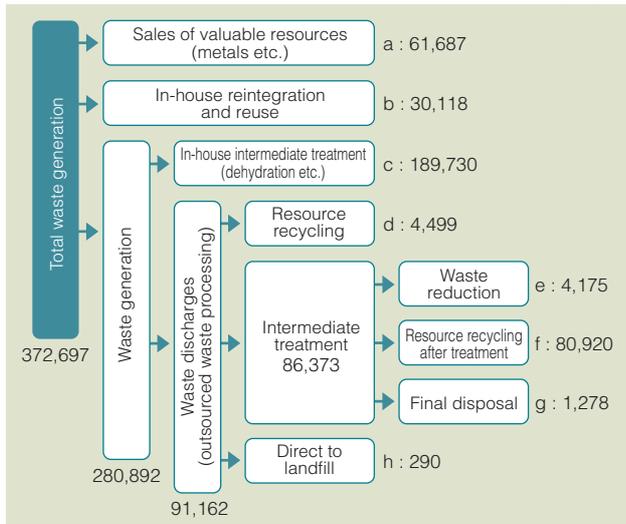・Recycling rate ⋯ 99%

FY2007 results

● Waste discharge

Waste discharge per unit output was reduced 13.5% compared to fiscal 2005, and attained the set target. 91,162 tons of waste were released, 0.8% less than fiscal 2005.

● Waste recycling rate

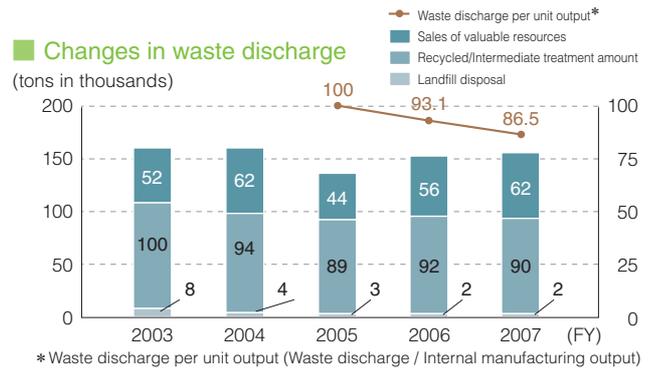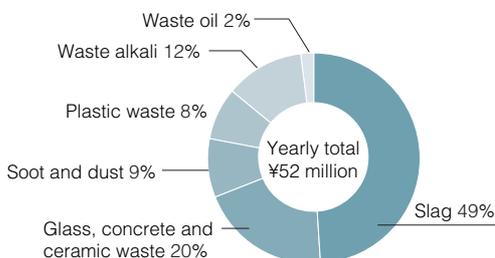The waste recycling rate improved 0.9% over fiscal 2005 to 99.1%, and thus attained the set target.

(ton/year)

Total waste generation 372,697

- Sales of valuable resources (metals etc.) a : 61,687
- In-house reintegration and reuse b : 30,118

Waste generation 280,892

- In-house intermediate treatment (dehydration etc.) c : 189,730

Waste discharges (outsourced waste processing) 91,162

- Resource recycling d : 4,499
- Intermediate treatment 86,373
  - Waste reduction e : 4,175
  - Resource recycling after treatment f : 80,920
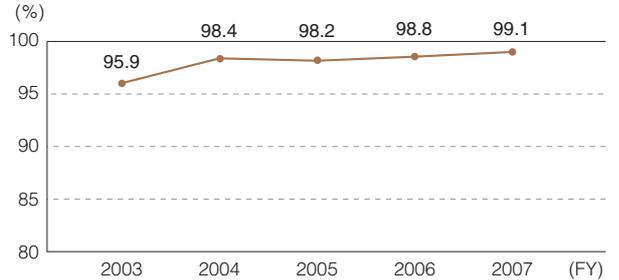 - Final disposal g : 1,278
- Direct to landfill h : 290

Notes: 1. Calculation target: Plants and offices in Japan
2. Resource recycling rate (%) = $(a + b + d + f) \div (a + b + d + f + g + h) \times 100$
3. The amounts of waste reduction, resource recycling after treatment and final disposal resulting from outside intermediate treatment were the result of surveys conducted by outsourced companies.

● Effects of cost reduction through zero-emission

The reduction, reuse and resource recycling associated with waste contributed to lowered outsourcing fees for waste processing and generated an effect of 52 million yen in cost reductions for the year.

■ Changes in waste discharge
(tons in thousands)

- Waste discharge per unit output*
- Sales of valuable resources
- Recycled/Intermediate treatment amount
- Landfill disposal

	2003	2004	2005	2006	2007 (FY)
Waste discharge per unit output*	100		93.1		86.5
Sales of valuable resources	52	62	44	56	62
Recycled/Intermediate treatment amount	100	94	89	92	90
Landfill disposal	8	4	3	2	2

＊Waste discharge per unit output (Waste discharge / Internal manufacturing output)

■ Changes in resource recycling rate
(%)

2003	2004	2005	2006	2007 (FY)
95.9	98.4	98.2	98.8	99.1

■ Recycling rate of construction waste
(tons in thousands)

- Discharged amount
- Recycling rate (All)
- Recycling rate (Specific Construction Materials)

	2003	2004	2005	2006	2007 (FY)
Recycling rate (Specific Construction Materials)	80.2	94.3	93.4	99.5	99.1
Recycling rate (All)	67.6	85.5	86.2	92.8	89.5
Discharged amount	23	17	12	22	61

Notes: 1. Results through FY2006 are for KUBOTA alone, while results for FY2007 include group companies in Japan.
2. Recycling rate (All) includes construction waste not included under Specific Construction Materials.
3. Recycling rate = (Valuable resources + Amount reused + Amount recycled + Reduction amount) / Discharged amount (Including valuable resources)

■ Breakdown of waste discharges

Yearly total ¥52 million
- Waste oil 2%
- Waste alkali 12%
- Plastic waste 8%
- Soot and dust 9%
- Glass, concrete and ceramic waste 20%
- Slag 49%

Total discharges 91,162 tons
- Rubble 2%
- Glass, concrete and ceramic waste 1%
- Waste oil 3%
- Other 3%
- Plastic waste 3%
- Metal waste 3%
- Soot and dust 6%
- Sludge 11%
- Slag 68%