

## State of Discharge and Treatment of Municipal Solid Waste in FY 2006

June 3, 2008

A nationwide survey on the state of discharge and treatment of municipal solid waste (wastes and excrement) in FY 2006 (April 1, 2006 - March 31, 2007) was conducted and the results have been summarized as follows. (Figures in parentheses are those of FY 2005.)

### 1. State of discharge and treatment

#### (1) Total amount of discharge

Total volume and per-capita volume decrease slightly.

- Total volume 52.02 million tons (52.73 million tons)
- Per-capita volume 1.115 kg/capita/day (1.131 kg/capita/day)

#### (2) Treatment

Steadily increase in the total volume of recycled waste and the recycle rate while decrease in the volume of final disposal by 7.2% compared to FY 2005.

- Total volume of recycled waste 10.21 million tons (10.03 million tons) Increased by 1.8% from FY 2005.
- Reduction by intermediate treatment 35.06 million tons (35.40 million tons)
- Final disposal 6.80 million tons (7.33 million tons) Decreased by 7.2% from FY 2005.
- Reduction treatment rate 97.5% (97.1%)
- Direct landfill rate 2.5% (2.9%)
- Recycle rate 19.6% (19.0%) Increased by 0.6 point from FY 2005.

### 2. State of waste incineration facilities

Decrease in number by consolidating waste incineration facilities while slightly increase in treatment capacity per site.

Treatment facilities having generation equipment is 22.7% of the total. Total generation capacity increases.

(Data as of March 31, 2007.)

- Incineration facilities 1,280 sites (1,319 sites)
- Treatment capacity 187,823 tons/day (189,478 tons/day)
- Treatment capacity per site 147 tons/day (144 tons/day)
- Incineration facilities utilizing waste heat 869 sites (904 sites)
- Incineration facilities with generation equipment 291 sites (286 sites) (22.7% of the total)
- Total generation capacity 1,584 MW (1,515 MW)

### 3. State of final disposal sites

Difficult situation in securing final disposal facilities continued unchanged as the remaining

capacity decreased.

The remaining lifetime increase from a decrease of the amount of the final disposal.

In Kanto and Chubu areas, wastes go out of boundary due to lack of final disposal facilities.

(Data as of March 31, 2007.)

- Remaining capacity 128.84 million cubic meters (133.02 million cubic meters)
- Remaining lifetime 15.5 years (14.8 years)

#### 4. Status of waste management expenditure

Decrease in total expenditure for waste management.

- Waste management expenditure 1,863.3 billion yen (1,902.4 billion yen)
- Construction improvement expenses 244.5 billion yen (282.4 billion yen)
- Treatment and maintenance expenses 1,509.1 billion yen (1,513.6 billion yen)