

State of Discharge and Treatment of Municipal Solid Waste in FY 2004

June 29, 2006

A nationwide survey on the state of discharge and treatment of municipal solid waste (wastes and excrement) in FY 2004 (April 1, 2004 - March 31, 2005) was conducted and the results have been summarized as follows. (Figures in parentheses are those of FY 2003.)

1. State of discharge and treatment

(1) Total amount of discharge

Total volume and per-capita volume decrease slightly.

- Total volume 50.59 million tons (51.61 million tons)
- Per-capita volume 1.086 kg/capita/day (1.106 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 4.2% compared to FY 2003.

- Total volume of recycled waste 9.40 million tons (9.16 million tons) Increased by 2.6% from FY 2003.
- Reduction by intermediate treatment 35.95 million tons (36.76 million tons)
- Final disposal 8.09 million tons (8.45 million tons) Decreased by 4.2% from FY 2002.
- Reduction treatment rate 96.5% (96.4%)
- Direct landfill rate 3.5% (3.6%)
- Recycle rate 17.6% (16.8%) Increased by 0.8 point from FY 2003.

2. State of waste incineration facilities

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

Treatment facilities having generation equipment is 20% of the total. Total generation capacity decreases slightly.

(Data as of March 31, 2005.)

- Incineration facilities 1,374 sites (1,396 sites)
- Treatment capacity 195,952 tons/day (193,856 tons/day)
- Treatment capacity per site 143 tons/day (139 tons/day)
- Incineration facilities utilizing waste heat 992 sites (995 sites)
- Incineration facilities with generation equipment 281 sites (271 sites) (20% of the total)
- Total generation capacity 1,491 MW (1,441 MW)

3. State of final disposal sites

Difficult situation in securing final disposal facilities continued unchanged as the remaining capacity decreased, while remaining lifetime remained flat.

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

(Data as of March 31, 2005.)

- Remaining capacity 130.052 million cubic meters (137.08 million cubic meters)
- Remaining lifetime 13.2 years (13.2 years)

4. Status of waste management expenditure

Decrease in total expenditure for waste management. Expenses for treatment and maintenance account for 80% of the total and increased slightly.

- Waste management expenditure 1,934.3 billion yen (1,960 billion yen)
- Construction improvement expenses 301.8 billion yen (342.1 billion yen)
- Treatment and maintenance expenses 1,544.6 billion yen (1,536.2 billion yen)