

Waste Reduction with Citizen's Participation



Ube City

The Renewal of the Incinerating Furnace · Waste Reduction

- Emission level for the substances such as dioxin (December 1st, 2002)
 - Exhaust gas standard 0.1ng-TEQ/m³N
 - Exhaust water standard 10pg-TEQ/l (January 15th,2003~)
 - Dust·ash 3ng-TEQ/g

A target of waste reduction (national) (2010)

- Amount of waste discharged a 5% reduction of emission with respect to the year 1996
- Recycling and reuse an increase from 10% to 24%
- Final disposal Reduction by half with respect to the year 1996

Must renew the incinerating furnaces and reduce waste
by December 1st, 2002.

The target of waste reduction

- Must reduce the waste by December 1, 2002

A target of waste reduction (Ube city)			
Category	1999 (actual result)	2002 (target)	2009 (target)
Collection combustible	109.67t/day	96.31t/day	96.85t/day
Self-delivered combustible	61.21t/day	50.05t/day	55.42t/day
Recycle plaza combustible	3.12t/day	2.49t/day	2.49t/day
Total	174.00t/day	148.85t/day	154.76t/day

Changes in waste sorting

Changed

- Combustible (kitchen waste etc)
collection . . . Mon/Wed/Fri

Addition

- Combustible collected once a month (Clothes, beddings etc)
- Plastic container & wrap
- Paper container & wrap

Changes of city waste collection

- Combustible (kitchen waste etc) Collected on every Mon/Wed/Fri
- Combustible (Clothes, bedding etc) Collected on once a month / specified day
- Plastic container and wrap Collected on once a week / specified day
- Paper container ▪ wrap Collected once a month / specified day

Requests for assistance from the citizens

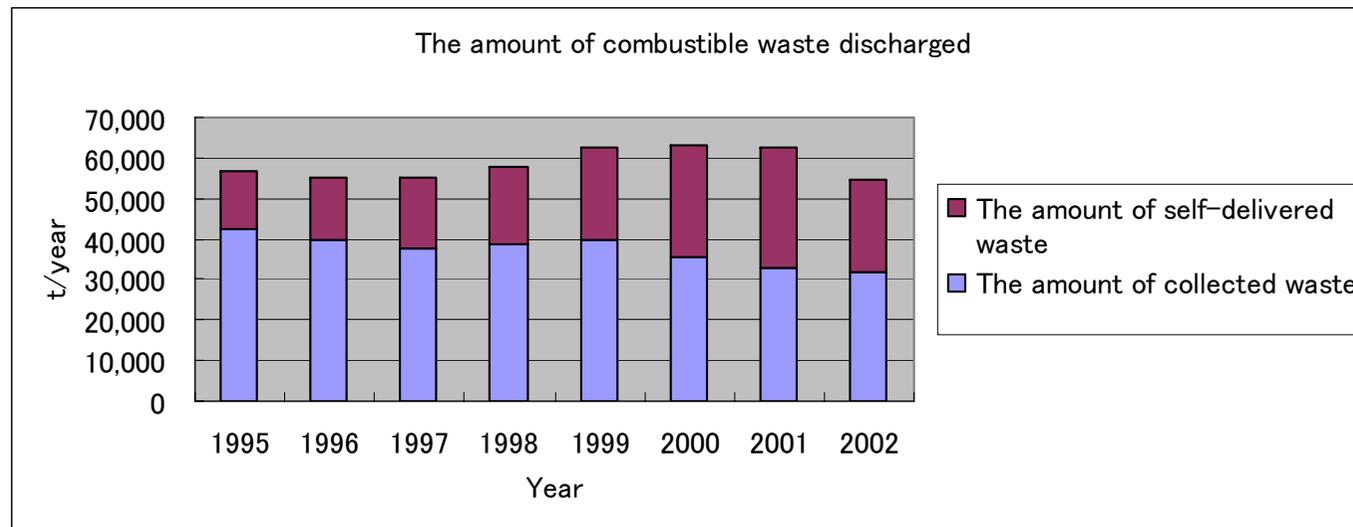
- Briefing sessions
It was held about 340 times between May and December in 2000 (within 8 months).
- PR
Posters, brochures, distribute category listed in order of the Japanese characters, public information, booklet circulation

Garbage sorting start **October, 2000**

The effectiveness of the waste sorting

The year 2001 produced 99% of the previous year's waste. Continued recycling saw the year 2002 reduce waste to 87% of year 2001

The activation of the new incineration of waste was made possible



The future approaches

- 1 The maintenance of waste sorting with the cooperation from the citizens
- 2 Business waste reduction
- 3 The effective operation of the waste incinerating facilities