

MSW Management of TOKYO: Helpful Resources to Improve Environment in Developing Countries

**City-City/Inter-municipal Cooperation
through North-South-South cooperation for Advancing 3Rs at Local Level**

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Strengths of MSW Management done in 23 Cities Area of Tokyo

Cooperation by
residents (software)

Use of newest technology
(hardware)

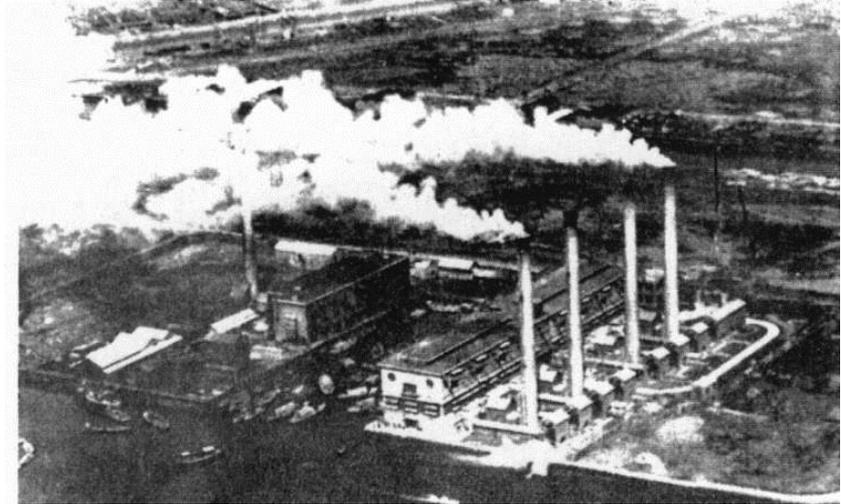


Indispensable combination for
MSW Management in Tokyo

Old time SWM in Tokyo



Bell collection using handcarts (1960's)



FUKAGAWA Garbage Treatment Plant (1929)



Bulky waste disposed of at landfill

Landfill disposal is not perfect solution

Transition of landfill sites since 1600 A.D.



File : Bureau
of Port &
Harbor,
Tokyo
Metropolitan
Government

Orange highlights roughly explain places reclaimed by waste since 1600 A.D.

Any good solutions?

Treatment by an incineration plant (W to E plant)

- **Total waste treatment volume: 7,760tons / day**
(as of JFY2011, total of all 20 plants in operation)
- Reduction of volume by about 95% through incineration



Heat energy can be recovered as power

- **Total power output: Approx. 1.1billion kWh/Y**
(1,100MWh/year)
- **Power sales: Approx. JPY5.9billion/Y**
(as of JFY2011, about USD57,531 thousand / year)

Things required for construction of an incineration plant

- Newest pollution control equipment & technology
- Promotion of consensus building \Leftrightarrow close location to residential areas



“Tokyo Model”

- “Tokyo Model” brochure: Product of our empirical strengths
- Copies can be requested through G of Japan (M of E etc.) or directly to us at:
t23kokusai@union.tokyo23-seisou.lg.jp
- Helpful resource for countries / cities tackling MSW issues

Thank you for your kind attention!



“Tokyo Model” brochures in Japanese, English, Simplified Chinese and Russian