

Company's Brief History 1

- 1936 ·· Large Ore deposit at Mt. Taisetsu in Hokkaido, Japan was found
- 1939 Started to produce the Mercury as a No.1 mercury production site in the area of Far East
- 1975 · · Founded current Nomura Kohsan Co., after closing Mining site
- 1979 Started to collect Household Battery
- 1980 · Started to collect Household Fluorescent Lamp
- 1993 Awarded "Ministry of Environment Prize" at the "Second Earth Environment Grand-Prix" in Japan







age 3

Company's Brief History 2

- 1996 · · Was selected as a sole Treatment of Battery Center by the Japan Waste Management Association (Later Fluorescent Lamp Treatment as well)
- 1997 Awarded "10th Technical Prize" due to materializing Ferrite in the "Japan Energy Resource Congress", Awarded "Ministry of ironment Prize due to materializing Glass Wool in the same Congress
- 2001 · · Took ISO Certificate in all Sites of the company
- 2007 · · Awarded "Ministry of Environment Prize" in the "3R"





Page 4

History of Mercury Reduction Effort in Japan

1968 · · Minamata disease certificated as pollution- related illness

1973 · · Stopped the production of Mercurochrome

1986 · · Mercury method of Chlor-Alkali plant became " 0%"

1990 · Mercury adding Zero completed in carbon Zinc Battery

1992 · · Mercury adding Zero completed in Alkaline Battery





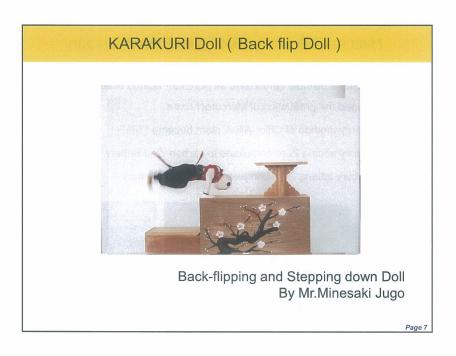


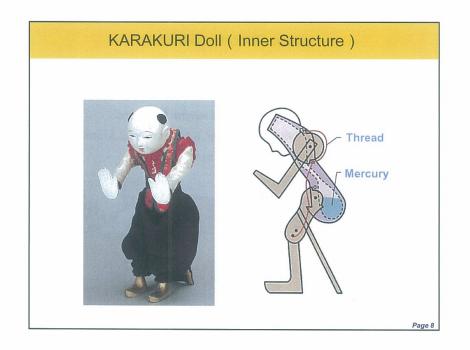
Great-Buddha-of-Nara

- Gold-plating (Amalgam Method) of "Great Buddha of Nara" is famous. This has long history in Japan.
- •The Great Buddha is 16 meters high and weighs 112.5 tons.
- •For the Great Buddha, 499 tons of copper, 8.5 tons of tin, **2.5 tons of mercury** and 440 kilograms of gold were used.

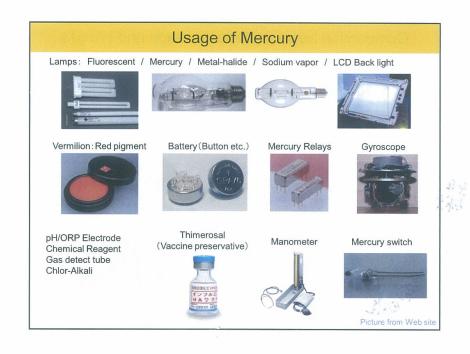


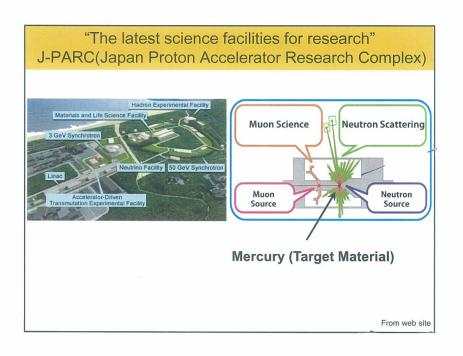


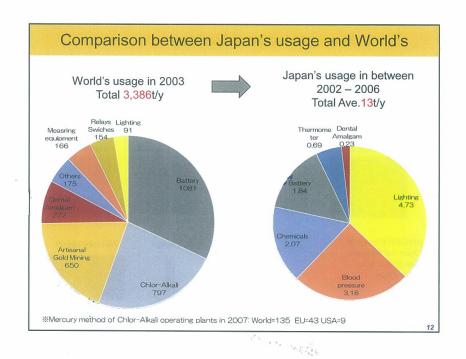












Nomura's Responsibility at Recycling Site

- The plant specializes in treating and recycling of mercury contained wastes with treating capacity of 40,000 tons
- Its authorized facilities consist of 2 Herreshoff furnaces, 2 rotary kilns, 2 high temp. incinerators, each performing respective roles according to the kinds and properties of incoming wastes.
- · We never take out any wastes out of the recycling sites.
- We bury non-useful left materials into the controlled final landfill area in our sites, when necessary.



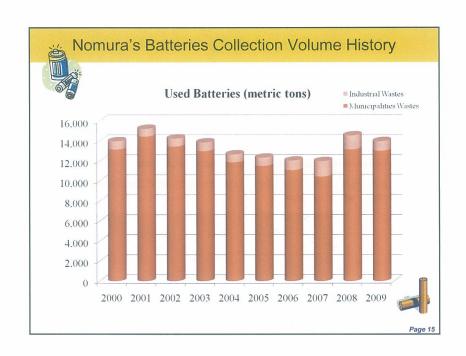


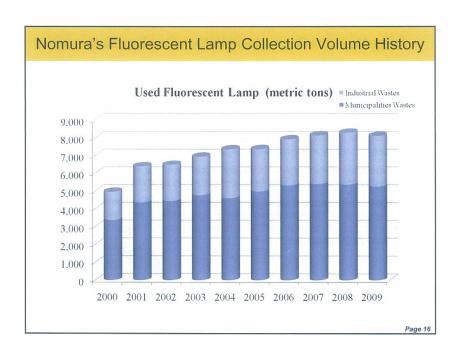
Page 13

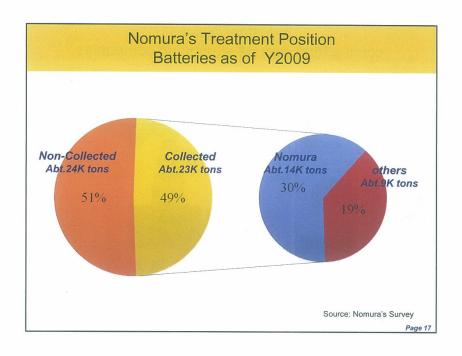
Why Nomura Started to Collect The Dry Battery?

- · Used to be a Mercury Production /Sale Co.
- Stopped to produce it due to Social atmosphere which dislikes a toxic substance
- Pointed out by the Consumer's Magazine that Mercury has been contained many mercury in the Dry Battery.
- It is the start of mercury recycling by recovery of the waste coming from everyday life disposals and from a mercury content thing.
- At the same time, the expectation of the Ministry of Environment and of the business of Nomura Kosan was in agreement, and they decided to serve as specification of JWMA which was a related organization of the Ministry of Environment.

Page 14







Nomura's Battery Collection Schemes

1. Industrial Wastes

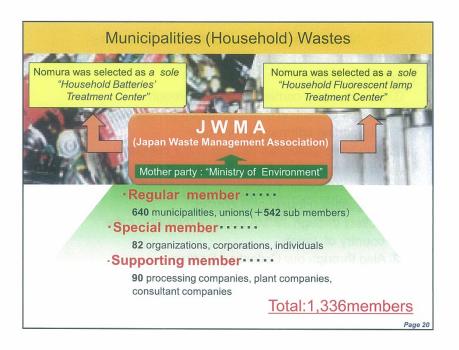
- ① Covers every corners of Japan through our 64 Collection distribution companies as a supporting company of Nomura
- ② Also have Collection Section in our company to make direct business if necessary.

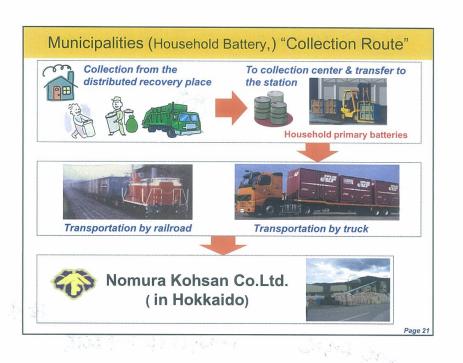
2. Municipalities (Household) Wastes

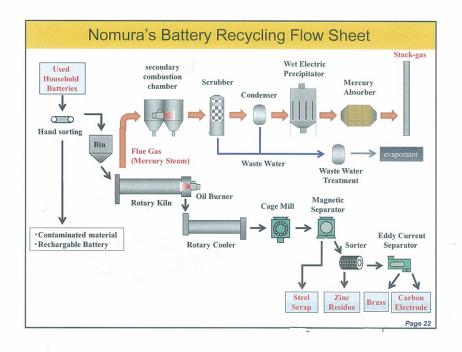
- ① Collect through JWMA network throughout the country of Japan
- 2 Also through our Collection Section

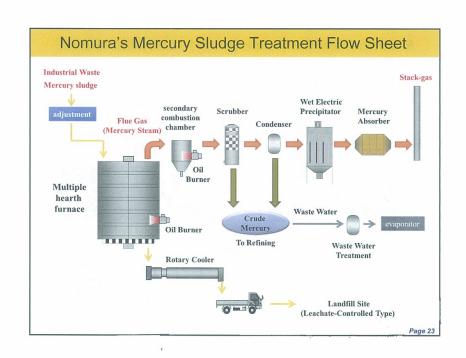
Page 18

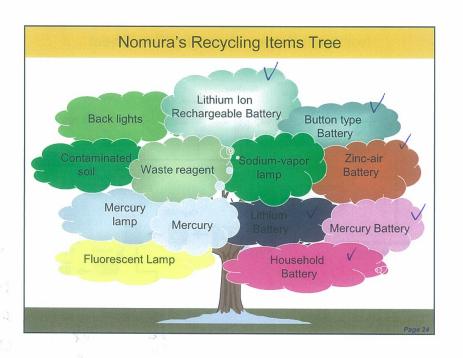












Today's Summary

- 1) We have proper technology to recycle the mercury and are able to collect as much as possible by co-operating with our colleagues.
- 2) Mercury is a very sufficient & superb materials when collecting in right way.
- 3) We can support the mercury treatment in Asian countries by moving mercury containing waste to Japan.
- 4) The world material balance has not been cleared yet.
 For example, many Chlor-Alkali mercury-cell plants have been operating in the world and the high mercury demand has still been needed in each region except Japan.

