

Waste FL management in Thailand

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Background

- In 2005, Pollution Control Department (PCD), with cooperation of the Japanese government and JETRO, established a study project on FL recycling. At that time Thailand did not have any specific laws and authorities that control management of municipal hazardous waste.
- It was estimated that in 2004 amount of waste FL in Thailand was about 41 million lamps, of which 70% is tubular type and the others are circular and compact lamps. In the studied areas, covering Bangkok Metropolitan Administration (BMA) and vicinities, it was found that about 14 millions of waste FL were tubes or about 50% of waste tube of the whole country.

Buildings



New
fluorescent
lamps

New tubes

F/L Waste Management Scheme



Do not dispose of
with general
waste

Store properly



Safely transport



Recycle

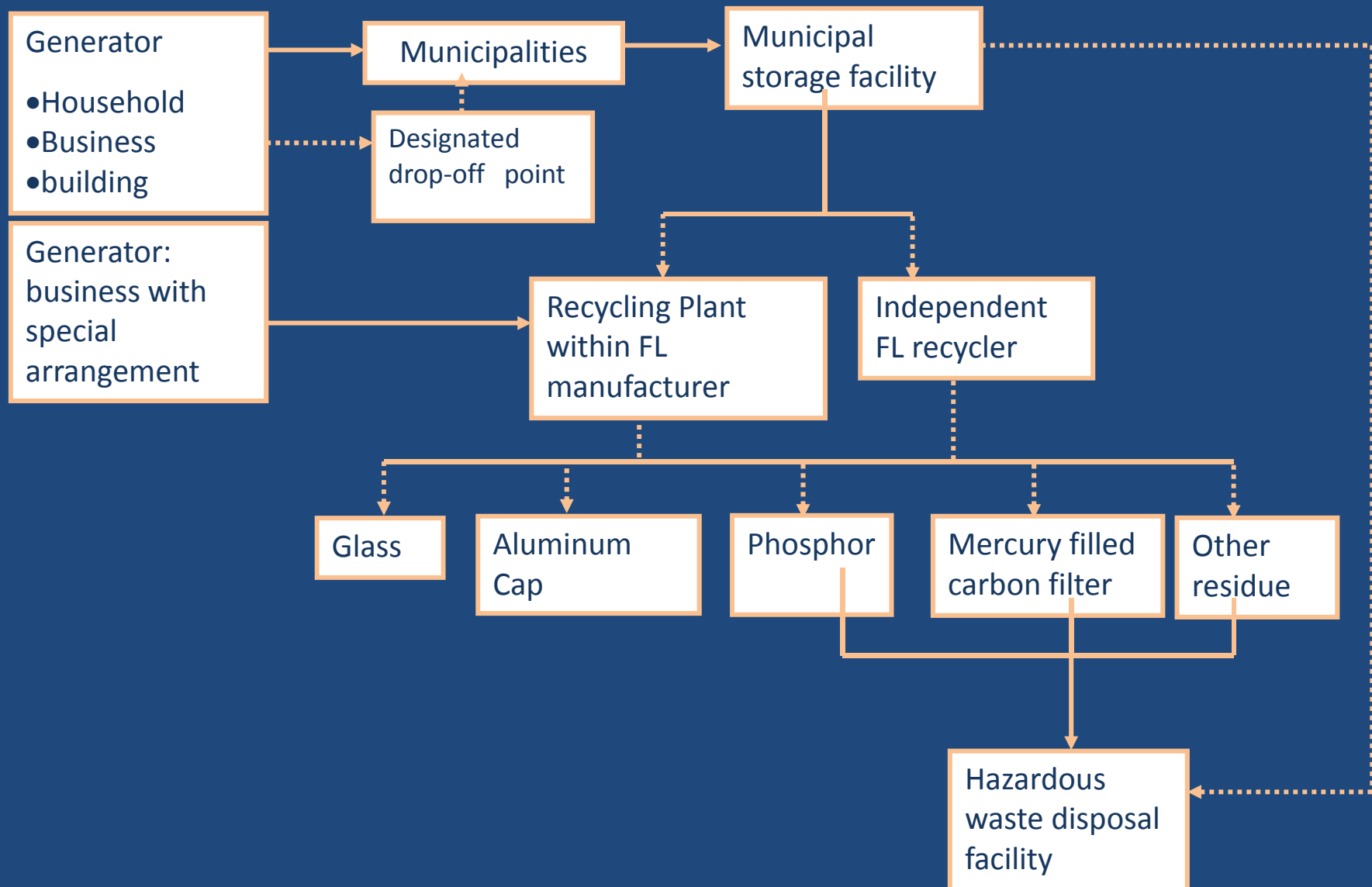
Background (continued)

- PCD then initiated the partnership program with Toshiba and Phillips who have their own recycling facilities to collect and recycle waste FL from about 100 project partners including government offices, academic institutions, business offices, retailers, etc in Bangkok and vicinity area. The MOU of the partnership project lasted for about 16 months from September 2006 to December 2007.
- In the program, PCD asked for cooperation with BMA and municipalities around Bangkok to collect waste FL from program partners, and negotiated with lamp manufacturers to expand their recycling services to cover lamps generated from households.

Background (continued)

- In 2007, the Public Health Act was amended. The Act authorizes local governments to collect and manage household hazardous waste such as fluorescent lamps, dry-cell batteries, etc.
- At the same time, PCD developed a new household hazardous waste management scheme and disseminate the concept as well as support financially and technically large-sized municipalities.
- In this scheme, the municipalities collect waste FL from households or from the designated points and transfer to the storage facility. The municipalities negotiated with FL recyclers or contract out waste processors.

Current scheme of FL management



https://www.yunbaogao.cn/report/index/report?reportId=5_14241

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HW (including FL) management scheme

