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Organic Waste Composting in Bangkok Metropolitan Administration

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Solid Waste Management System

The flowchart shows the following waste management paths:

- Organic Waste → Composting Plant/Center
- Recycle Waste → Junk Shop/Recycle Plant
- General Waste → Sanitary Landfill
- Infectious Waste → Incineration
- Hazardous Waste → Secure Landfill

At the bottom, there are three logos with Thai text:

- สีเขียว: เศษอาหาร เก็บทุกวัน (Green: Food waste, collect every day)
- สีเหลือง: รีไซเคิล เก็บทุกวัน (Yellow: Recycle, collect every day)
- สีแดง: อันตราย เก็บทุกวัน (Red: Hazardous, collect every day)

District Model

Community Model

Din Daeng District Composting Center (0.5 ton/day)

Status: Temporary close

Rama7 Composting Center (New Center)

Results on Project of Organics Composting by Takakura Home Method, 2009

Items	District	Organics Waste (Tons)	Compost Product (Tons)
1	Klong san	0.84	0.21
2	Klong sam wa	4.96	1.24
3	Ta ling chan	0.21	0.05
4	Pra kha nong	3.72	0.93
5	Min bu ri	5.88	1.47
6	Lad prao	11.89	2.97
7	Sam pan ta wong	0.19	0.05
8	Sa torn	13.55	3.39
9	Nong chok	30.32	7.58
10	Huay kwang	0.40	0.10
12	Din Daeng	2.36	0.59
13	Ratchtheevee	2.00	0.50
Total		76.31	19.08



Bangkok Metropolitan Administration Commitment for Waste Utilization

The City of Bangkok is committed to address the mounting challenges of urbanization; its impact on the environment, society and economy and take a leading role in promoting environmental stewardship, building mutual support and cooperation with cities in Asia Pacific region. As a concrete demonstration of this commitment, by the year 2010, the City of Bangkok will increasing the amount waste utilization by 30 percent.



Implementation of KIN4 commitments

- Form a committee to specify guidelines and supervise project implementation
- To provide location for district offices for establishing substations and recycle center
- Establish community waste reduction management centers to educate teachers, students and nearby communities
- Organize activities to promote waste recycling, segregation such as solid waste bank, market fairs and recyclable waste donation
- Publicize through media such as brochure, handout, newspaper, advertising board, TV, radio and exhibition.



Implementation of KIN4 commitments (Cont.)

- Provide people with community waste segregation handbooks for understanding and proper segregation.
- Provide training for community representatives from all 50 district offices.
- Hold activities promoting producing liquid fertilizer and granulated fertilizer from biodegradable wastes.
- Establish and expand more environment networks for waste management among communities and composting center
- Stimulate people accountability and cooperation with BMA to segregate usable waste for recycling.



BMA Environmental Vision

Vision : "Recycling and Recovery of Usable Waste"
 - Promotion Recycling and Recovery of Usable Waste by 30 percent in the year 2010

Activities:
 Establish and expand more environment networks for waste management among communities and district composting center



Thank You

