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Presentation on

Current Status Of Waste Management

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1. Overview of Solid Waste Management Legislation and Regulation



Community





Generally, recycling is done by self help groups of people such as waste generator, street waste picker, street buyer, waste collector, and waste picker at the dumpsite and deport owners. Beside of that, it also is done by community groups of people, NGOs etc...that involved or get the profit with waste.

Overview of Recycling Activity cont... The General Flow of recycling activities





3. Overview of Recycling Activity cont... The Flow of recycling activities in community





Waste Composition



Source: Report of JICA Study Team 2003

Waste Flow









Waste collector pick up available items









Scavenger pick up recycle or valuable materials at dumpsite.















































Composting place is operate by Cambodian Education and Waste Management Organization. It can produce more than 200 t / year.







Composting in Community

























































Textile Waste Recycling









ltem Year	TV sets(kg)	Computer (kg)	Telephone(kg)
2003	2,526,568.51	615,000.00	12,944.2
2002	2,820,025.96	146,000.50	26,616.13
2001	2,723,029.41	185,000.50	20,973.93
2000	2,974,777.92	1,386,000.00	9,283.07
1999	3,484,005.18	5,750,581.08	256,183.05
1998	2,408,776.42	80,546.20	206,920.44
1997	802,530.79	22,825.67	65,097.42
1996	1,059,307.7	7,653.00	535,513.52
1995	849,818.76	20,453.00	96,189.30



Television sets shops









Computer shops





Telephone shop





Scrap yards





Battery Waste Import of Lead, Acid and Batteries

Item	Lead (t)	Acid (1)	Battery (t)
year			
2000	10,930	139,276	5,289,627
2001	110	1,999,770	4,663,883
2002	2,000	1,808,067	3,122,493
2003	10,109	965,280	4,126,590
Total	23,148	4,912,393	17,202,593

Estimated number batteries available for recycling (unit)					
1999	2000	2001	2001		
7,559	7,733	9,202	7,143		



Battery Recycling



MPP's 5 collection vehicles before August, 2006 SH: Secondhand



New: Skip loader truck with 5m³ container



SH Compactor truck 18m³ donated by NORAD



SH Compactor truck 4m³ donated by Hiroshima City



SH Compactor truck 4.5m³ donated by NGO

10 Secondhand waste collection vehicles donated by Osaka City







in Phnom Penh

- Private sector provides waste collection service to the area colored yellow
- Municipality provides waste collection service to 4 subdistricts colored red by using 5 trucks.
- Municipality has a plan to expand service to the area where the private sector can not do it because of financial unfeasibility.





In practical of medical waste management divided in to 3 categories:





Burning in incinerator





Shape Waste

Burning in brick incineral or burring in land



- Lacking of data/information on solid waste recycling.
- National action plan/program of 3R is inadequate.
- Insufficiency of related to facilities and finance for implementing and developing 3R programs throughout the country.
- Public awareness and capacity building are limited.
- Insufficiency of legal instrument related to 3R



6- Conclusion

- To improve and strengthen capacity building and public awareness
- To promote and encourage recycling activities
- To expand the field of solid waste recycling
- To develop legal instruments
- To accomplish these countermeasure, Cambodia still requires assistance the international donors both financial and technical support on 3R approach.

