



Fourth Regional 3R Forum in Asia

DEVELOPMENT OF NATIONAL PROGRAM ON REDUCE, REUSE, RECYCLE

- **Waste Management and Environment Improvement Department**
- *Vietnam Environment Administration (VEA)*
- *Ministry of Natural Resource and Environment (MONRE)*

3R ACTIVITIES IN VIETNAM

At-source solid waste sorting

- Central and local governments are aware of at-source sorting's benefit
- Pilot projects have been implemented in several cities but only few are sustainable
- Infrastructure for collecting, transferring and treating solid waste is unsynchronized

Cleaner production

- Provincial Departments of Industry and Trade have implemented trainings, disseminations on cleaner production
- Cleaner production is applied in the field of energy saving, input reduction
- Cleaner production is still not widely implemented in nationwide

3R ACTIVITIES IN VIETNAM

Reuse, Recycle activities

-Domestic waste:

22 facilities operate in the field of waste treatment, including composting, but not effective in the North

Recyclable waste is collected and sold by waste pickers

-Industrial waste:

Most industrial waste is collected for recycling, but limited to small-scale craft village

Low recycling technologies cause pollution in craft villages

-Hazardous waste:

Hazardous waste is managed strictly by Circular No.12/2011/TT-BTNMT.

It is collected, transferred and treated by licensed companies

3R ACTIVITIES IN VIETNAM

Reuse, Recycle activities

-Medical waste:

Most hospitals in big cities have implemented waste sorting activities at-source following to the Decision 43/2007/QĐ-BYT by Ministry of Health on Regulations of Medical Waste Management

Recycling rate is about 18-20% of medical waste generation

-Construction waste:

This waste is used for site filling but not managed strictly and released illegally to environment

-Agricultural waste:

Green waste, manure are used in activities: biogas, mushroom growing, compressed energy pieces (rice husk, straw), organic fertilize...

LEGAL BASIS

1. Law on Environment Protection 2005
2. Decree No. 59/2007/ND-CP dated 9th April 2007 of the Government on solid waste management
3. Decision No. 2149/QD-TTg of December 17, 2009, approving the national strategy for integrated management of solid waste up to 2025, with a vision to 2050:

The 2nd Program in the list of programs for Decision 2149 implementation is “Program on improving solid waste prevention, reduction, reuse, recycling”

PRACTICAL BASIS

Survey on 3R activities in nation-wide

Vietnam Environment Administration has conducted surveys in 38/64 provinces with provincial Department of Natural Resource and Environment, Industry and Trade, Health, Agriculture and Rural Development, entertainments, facilities, URENCO....

International cooperation with Japan

Vietnam Environment Administration and Waste Management and Environment Improvement Department have cooperated with the Ministry of the Environment Japan and Institute of Global Environmental Strategy (IGES) on a development of Draft 3R Program in Vietnam in 2012. This draft is expectedly submitted to the Prime Minister in the mid of 2013

DRAFT OF 3R PROGRAM

Contents

1. *Annually assessing the state of “prevent, reduce, reuse and recycle” activities in national wide*
2. *Developing and implementing tasks to promote solid waste reduction,*
3. *Developing and implementing tasks to promote solid waste reuse and recycling*

Solutions

1. *Communication: awareness raising, training...*
2. *Management: mechanism, policies, strategies development*
3. *Investment and finance*
4. *Science and technologies*

DRAFT OF 3R PROGRAM

List of expected project for Program implementation

No.	Project	Responsibility	Major Partner	Finish time
1	Research, develop Law on solid waste recycling; Law on Environmental Protection; amend and supplement regulations on recycling, re-use of solid waste in the ministries, sectors	MONRE	- MOC; - MOH; - MARD	2015
2	Develop and organize the implementation of the audit scheme in industrial waste production	MOIT	MONRE	2015
3	Revised research framework sanitation fee, fee for solid waste collection and treatment; waste fee basing generation volume; environmental protection fee for solid waste; technical and economic norms in recycling activities	MOF	MONRE	2015

DRAFT OF 3R PROGRAM

List of expected project for Program implementation

No.	Project	Responsibility	Major Partner	Finish time
4	Summary and statistics of solid waste annually generated, reused, recycled; build the database and information system on 3R.	MONRE	- MOC; - MOH; - MOIT - MARD	2015
5	Regulate practice conditions of individuals and organizations engaged in treating solid waste. Build list of recyclable solid waste and list are not permitted to be landfilled.	MONRE		2015
6	Educate community to form the habit of classify solid waste at source, limit using plastic bags in the family, manufacturers and service center	MONRE	MOIC Provinces cities	2020
7	Recovery, treat a number of expired or discarded products in Vietnam.	MONRE	MOIT	2020

DRAFT OF 3R PROGRAM

List of expected project for Program implementation

No.	Project	Responsibility	Major Partner	Finish time
8	Research, develop and deploy activities for reuse and recycling of packaging, bottles, tires	MONRE	MOIT	2020
9	Promote the production and consumption of environmental friendly plastic bags in Vietnam; promulgate regulations to reduce use of plastic bags in the traditional commercial center, service services.	MONRE	MOIT	2015
10	Develop Project of waste market development; recycling capacity development, establishments of solid waste collecting, recycling network	MOIT	MONRE	2020

DRAFT OF 3R PROGRAM

List of expected project for Program implementation

No.	Project	Responsibility	Major Partner	Finish time
11	Develop plan and implement activities to prevent, reduce, reuse and recycle solid waste in province level.	Provinces, cities		2015
12	Review and improve the standard of organic fertilizers used for agricultural activities. Develop and promulgate policies to encourage consumption of products from recycling activities.	MARD	- MOIT; - MONRE.	2020



BỘ TÀI NGUYÊN VÀ MÔI TRƯỜNG
TỔNG CỤC MÔI TRƯỜNG
Vietnam Environment Administration (VEA)



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