

Waste Management Policies and Practices in China

Ministry of Environmental Protection

Regional Workshop of the Greater Mekong Sub-region to share the lessons learnt from the Vietnam experience on the National Strategy of Integrated Solid Waste Management/3R
28-29 July 2010, Do Son town, Hai Phong city, Vietnam

Outline

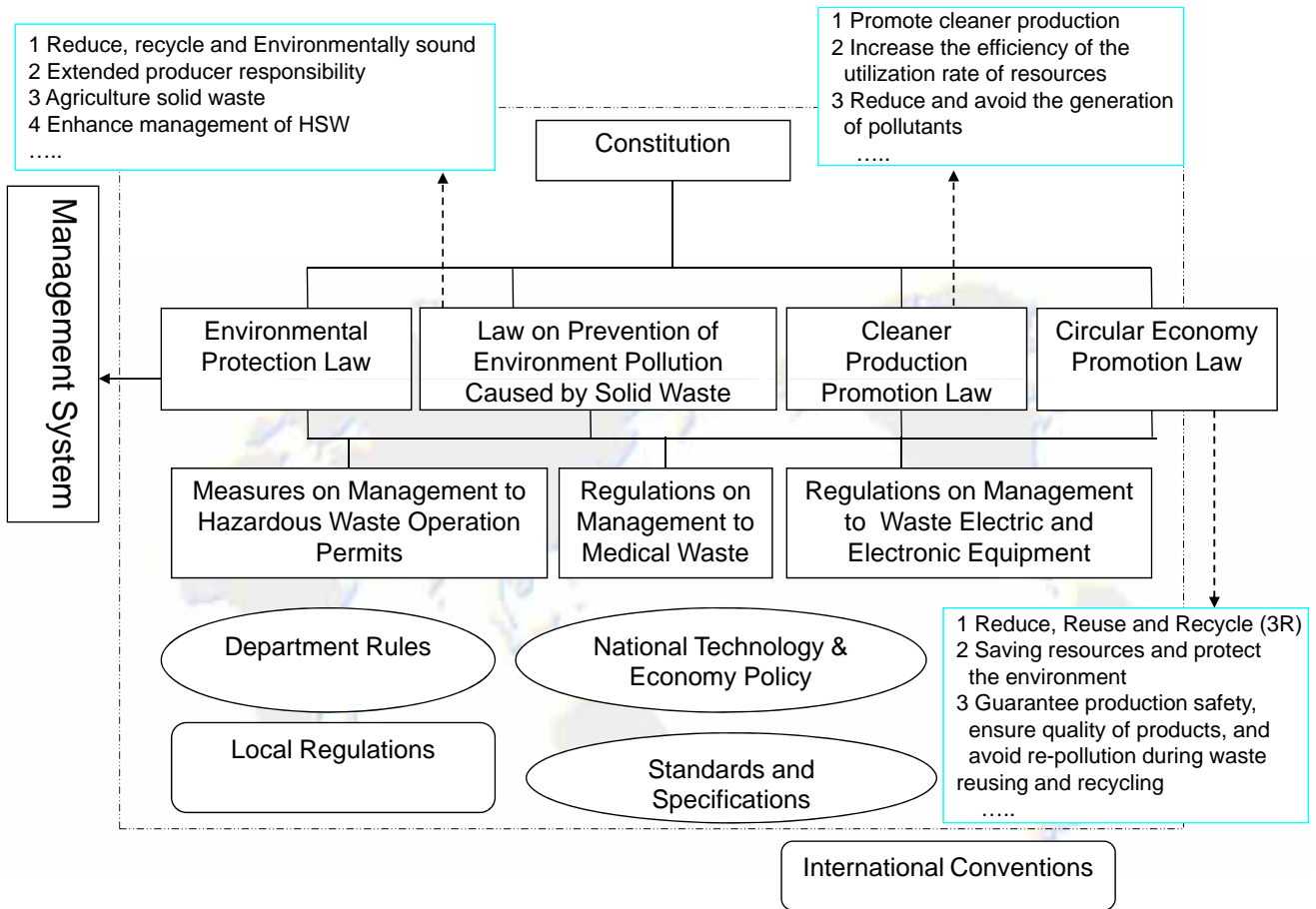
- Waste Management Legislation in China
- Hazardous Waste Management
- E-Waste Management
- Municipal Waste Management
- Waste Import & Export Management



Waste Management Legislation in China

Waste Management Legislation in China

- **Laws**
 - Environmental Protection Law of the PRC (issued in 1989)
 - Law of the PRC on Prevention of Environment Pollution Caused by Solid Waste (issued in 1995, amended in 2004)
 - Cleaner Production Promotion Law of the PRC (issued in 2002)
 - Circular Economy Promotion Law of the PRC (issued in 2008)
- **Administrative Regulations**
 - Hazardous Waste, Medical Waste, E-Waste
- **Department Rules**
 - Hazardous Waste, Municipal Waste, Recyclable Waste, Waste Import and Export
- **Local Regulations**



Solid Waste Management Framework in China



Hazardous Waste Management



Hazardous Waste Management System


- **National Hazardous Waste Catalogue**
 - 49 categories of hazardous waste & 498 types of waste hazardous chemicals
- A **distinguishing mark** of hazardous waste is required
- Generators of hazardous waste shall have **hazardous waste management plans**, and report periodically
- The State practices **license control system for the units involved in collection, storage & treatment** of hazardous waste
 - Hazardous waste collecting, storage, recycling & disposal units shall have operation record and periodically report

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Hazardous Waste Management System

- **Centralized treatment facilities & sites** for hazardous wastes are planned
- Centralized treatment facilities & sites shall draw **decommissioning expense in advance**
- Preventive measures for **accidents & emergency plans** are required
- Hazardous waste transportation is implemented through the use of **waste manifest**
- Transfer hazardous waste via the territory of the PRC is prohibited
- Medical waste is a kind of hazardous waste and shall be complied with the Regulations on Management to Medical Waste

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The 12th National 5-year Plan on Prevention of Pollution Caused by Hazardous Waste

- **The first national plan concerning HW**
- Lists the measurable goals that China will achieve to manage hazardous waste from 2011 to 2015
 - **Risk control** and prevention caused by HW
 - Reducing the generation of HW
 - Promoting the development of HW reuse, recycle and disposal industry
 - Strengthening environmentally sound management to medical waste
 - Seeking solutions to hazardous waste generated from public area and household
- Stakeholders: Central Administrations, Provinces, Local Governments, Industry Associations, Academic Institutions, Enterprises, Public groups and communities

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E-Waste Management

E-Waste Management System

- Regulations on Management to Recovery and Treatment of Waste Electrical and Electronic Equipment (Issued in 2008, will be enforced in 2011)
 - Catalogues of waste electrical and electronic equipment
 - WEEE are collected by multi-channels for centralized treatment
 - The treatment facilities of WEEE should be licensed
 - The State establishes fund for WEEE treatment, which could be used as WEEE treatment subsidy
 - The treatment of WEEE should be planned by related provincial authorities
 - Provincial governments could set up WEEE centralized treatment sites

Home Appliance Trade-in Policy

- From June 2009 to the end of 2011
- 10% subsidy in old-for-new consumption
- All replaced home appliances shall be returned to designated collectors
- Every province shall designate dismantling and recycling facilities to treat the collected waste home appliances



Municipal Waste Management

Municipal Waste Management System

- **The principle of reduce, recycle and environmentally sound treatment**
- **Polluter pays principle**
- **Charging system of MSW treatment**
- Bidding and **qualification in sweeping, collecting, transporting, and disposing of MSW**



Guidance on Integrated Control of Municipal Waste

- MEP and related administrations have drafted a guidance on the management to municipal waste
 - Encouraging the reduction of generation
 - Advancing separation, collection and transport system
 - Selecting applicable treating methods – sanitary landfill, clean incineration and biological treatment
 - Strengthen the management to food waste in urban area and to household waste in rural area

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Waste Import and Export Management



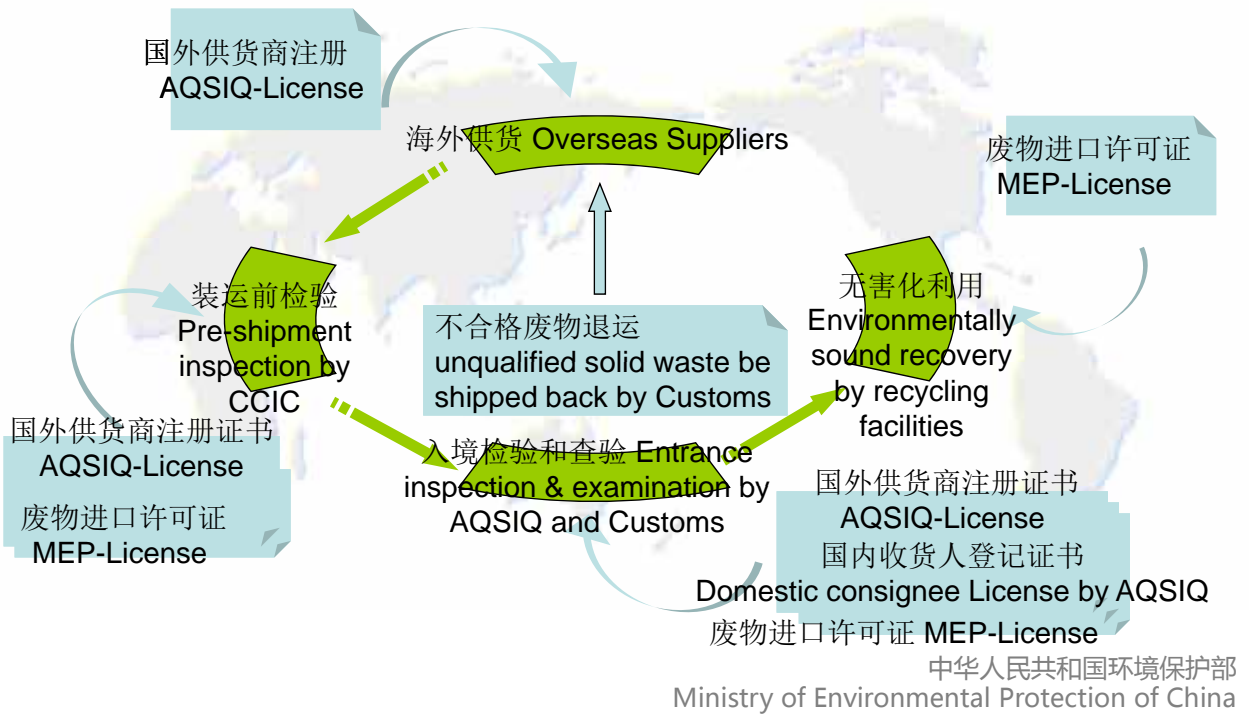
Waste Import and Export Management System

- A part of Basel Convention
- Principle:
 - To prevent the pollution caused by import wastes, and to protect the domestic environment and human health
 - To utilize import recyclable wastes, and to meet the demand for raw materials
 - The export of hazardous waste must fulfill the requirements of the Basel Convention on the prior notification procedure and of the destination

Waste Import and Export Management System

- Dumping, storage and disposal of import wastes are prohibited
- A ban is imposed on import wastes that cannot be used as raw materials or used in an environmentally sound manner
- It is forbidden to transfer hazardous waste via the territory of the PRC
- Import license is required for any waste importation

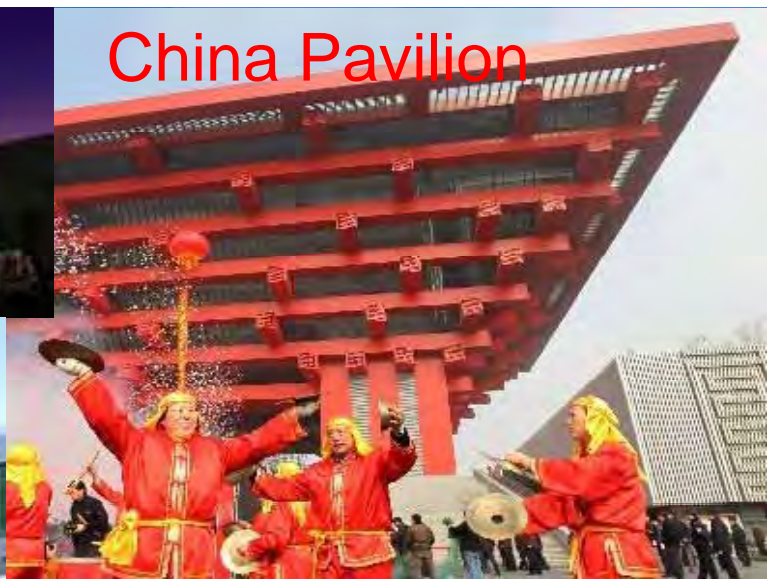
Closed loop management system



Vietnam Pavilion



Theme Pavilion



China Pavilion



United Nations Pavilion

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Thank you
for your attention

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