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The Import Waste Management in China

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Overview

Total amount of imports wastes since 1999

Year	Imports (10,000T)
1999	1068
2000	1558
2001	2337
2002	2292
2004	3308
2005	3954
2006	3895
2007	4224

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Overview

Type of Waste	Percentage
Scrap paper	54%
Scrap plastics	16%
Scrap motor & electric appliances	18%
Scrap iron & steel	4%
Others	8%

Types of imported waste in 2007

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Building a New Legal Framework

- ❖ Imported Waste Scandals in 1980s and 1990s
- ❖ Development of New Environmental Laws
 - ❖ Began developing policies and regulations in early 1990s
 - ❖ Became increasingly strict in the mid and late 1990s
- ❖ Goals of New Laws
 - ❖ Protect human health and the environment

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Strategy for Managing Imported Solid Waste

- ❖ Strategy
 - ❖ Source control
 - ❖ Prevent import garbage
 - ❖ Supervise Recycling Process
 - ❖ Ensure the vast quantities of imported waste are recycled in an environmentally sound manner

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Policy on Managing Imported Solid Waste

- ❖ **Prohibition of Import**
 - ❖ Dumping, storage and disposal of imported solid wastes is prohibited
 - ❖ A ban is imposed on solid wastes that cannot be used as raw materials or used in an environmentally sound way
 - ❖ No hazardous wastes allowed to transfer through China
- ❖ **Import Licensing**
 - ❖ Solid wastes used as raw materials are not allowed to be imported without an import license


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Policy on Managing Imported Solid Waste

- ❖ **Catalog Management**
 - ❖ Automatic Licensing of Wastes that Can Be Used as Raw Materials
 - ❖ Restricted Wastes that Can Be Used as Raw Materials
 - ❖ Wastes Prohibited Against Import
- ❖ **Environmental Standard, Inspection and Quarantine**
 - ❖ Must meet national environmental protection standards and be regarded as qualified by quality supervision and quarantine department after examination
 - ❖ Foreign waste shall not be shipped to China until it is qualified (Undergone pre-shipment inspection)

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Punishments for Violations

- ❖ **Punishment**
 - ❖ Those who ship solid waste from outside China and dump, store, or dispose of the waste inside the country, and those who import solid wastes that are prohibited from import or import restricted solid wastes used as raw materials without permission, shall be ordered by the customs to **ship the wastes back** and may be subject to **penalties**.
 - ❖ Those who transport hazardous waste via the territory of China, shall be ordered by customs to ship the waste back and may be subject to penalties.
 - ❖ Those who smuggle solid, liquid or gaseous garbage into China could face a sentence of up to **five years in prison** with a **financial punishment** or simply a financial punishment.

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Good practice

- ❖ **Interagency Coordination**
- ❖ **Closed loop management system**
- ❖ **International cooperation**

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Interagency Coordination

- ❖ **MEP is the lead agency for managing waste import and export**
 - ❖ Organizes related departments to draft laws, regulations, catalogues and policies
 - ❖ Coordinates among different departments
 - ❖ Responsible for the implementation of Basel Convention and licensing of waste import and export
 - ❖ Supervises pollution prevention efforts of waste exporters and users of imported waste

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Interagency Coordination

- ❖ **The General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ):**
 - ❖ Registers overseas suppliers of waste materials and domestic recipients
 - ❖ Conducts pre-shipment and entrance inspections, and quarantines according to environmental control standards.
 - ❖ Issues Customs Clearance Form of Entry Goods for accepted wastes.

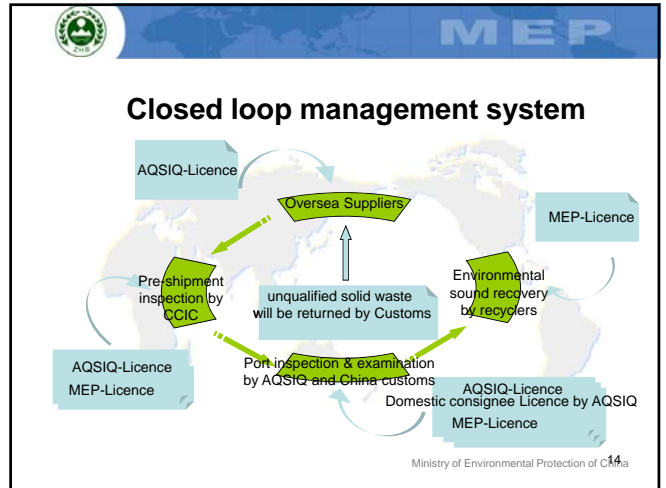
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Interagency Coordination

- ❖ **General Administration of Customs of People's Republic of China(GACC):**
 - ❖ Takes charge of entry inspection, duty collection and clearance against import permit
 - ❖ Return shipment of unqualified waste
 - ❖ Combats waste smuggling
- ❖ **National Development and Reform Commission (NDRC) and Ministry of Commerce (MOC)**
 - ❖ also measure waste importation and adjustment of catalogues.

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International cooperation

- ❖ Cooperation with
 - ❖ Japan
 - ❖ EU
 - ❖ Republic of Korea
 - ❖ USA
- ❖ Information Exchange
 - ❖ Through email exchange waste trans-boundary information with export countries
 - ❖ 83 email in 2007
 - ❖ 65 email in 2008

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Environmental Management System

- ❖ **Environmental management policies by MEP**
 - ❖ Formulated laws, regulations and standards of import of wastes
 - ❖ Established coordination mechanism
 - ❖ Established and improve examine and approve system
 - ❖ Strengthen the supervision on import waste recycle factories
 - ❖ Strengthen international cooperation

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Laws, Regulations and Standards

- ❖ **Measures on Waste Import Management**
 - ❖ being drafted
- ❖ **List of Restricted Import Solid Wastes that Can Be Used as Raw Materials**
- ❖ **List of Automatic-Licensing Import Solid Wastes that Can Be Used as Raw Materials**
- ❖ **List of Wastes Prohibited against Import**
 - ❖ revised at Jan.,2008,came into effect at Mar.1, 2008

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Laws, Regulations and Standards

- ❖ **Control Standards for Import of Waste Used as Raw Materials for Environmental Protection**
 - ❖ 12 tentative standards were released in 1996
 - ❖ 13 formal standards were released in 2006
- ❖ **The Guidance for Distinguishing Solid Waste in China**
 - ❖ Launched in 2006
- ❖ **The Environmental Protection Technical Specification for centralize dismantle and recycle park of scrap motors and electric appliance**
 - ❖ Launched in 2005
- ❖ **The Technical Specification for Pollution Control during Collection and Recycle of Waste Plastics**
 - ❖ Launched in 2007
- ❖ **The Environmental Protection Technical Specification for Disassembly of End-of-life Vehicle**
 - ❖ Launched in 2007

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Coordination Mechanism

- ❖ Established coordination mechanism with AQSIQ, GACC, NDRC, Ministry of Commerce
 - ❖ Interagency Coordination meeting
 - ❖ SEPA carried out on-line connection of the examination and approval of imported waste with the E-port of Customs at Oct, 2005.
 - ❖ Exchange information of import waste domestic recipients with AQSIQ.
 - ❖ Cooperate with Customs to crack down the waste smuggling.



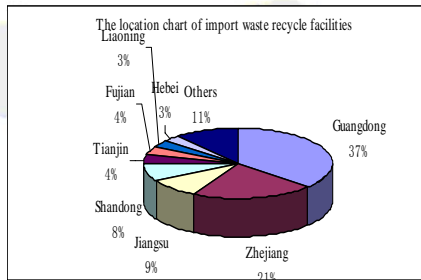
Examine and Approve System

- ❖ Required to use imported waste in an environmentally sound way
 - ❖ The city and provincial EPB pre-examine system for the Restricted Import Waste.
 - ❖ The environmental risk estimate system
- ❖ Forbidden to sell imported wastes to others
 - ❖ Require import to nearest port to limit illegal trade
 - ❖ One license for one customs port
 - ❖ Approval of permits is subject to public supervision
 - ❖ Investigate 27 recycle factories in 2007
 - ❖ Stop receive 50 application of recycle factories
- ❖ The blacklist system



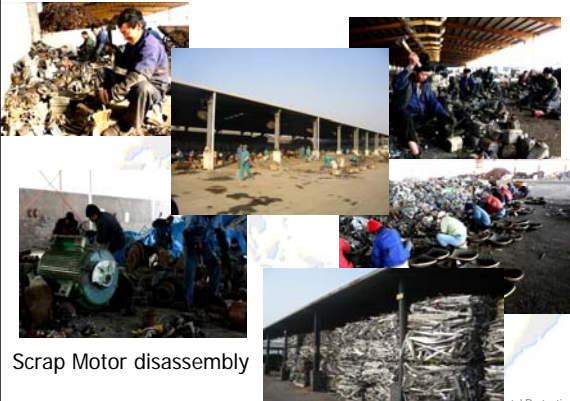
Import waste recycle factories

- 3121 recycle factories in 2006
- Most located along east coast



Examine and Approve System

- ❖ Fixed-qualification management for scrap motors and electric appliance
 - ❖ Imported wastes posing high environmental risks are subject to management by designated factory
 - ❖ Check and ratify by examine criterion annually
 - ❖ 510 designated factories in 2007



Scrap Motor disassembly



Scrap wires and cables

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Examine and Approve System

- ❖ Carry out "Concentration in an area" of import solid waste
 - ❖ Scattered dismantling of import solid waste used to cause environmental pollution
 - ❖ Waste water and waste are collectively collected and treated
 - ❖ Environmental pollution resulting from dismantling of imported solid waste has been addressed well
 - ❖ 12 Industrial Parks of Recycled Resources are constructing

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Zhenhai renewable resource park



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Supervision on recycle factories

- ❖ Put-on-record management of scrap motors, cables, electric appliance and scrap plastics
- ❖ Strengthening of early stage investigation
- ❖ A periodically check by SEPA and local EPB
- ❖ As a result, the scale and pollution control level of the enterprises processing and utilizing imported waste have been raised.

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Nine Dragons Paper Limited




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Chiho-Tiande Metals Co Ltd, Taizhou, Zhejiang

- ❖ 200,000 tons of scrap motors disassembly annually
- ❖ 98 % of the waste can be recovered after processing



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Challenges

- ❖ "Foreign Garbage" smuggling is still serious
- ❖ Some recycling factories are small-scale
- ❖ Illegal trade

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Management Trend

- ❖ Improve regulations and standards regarding waste imports
- ❖ Develop technical specifications for imported waste recycling factories
- ❖ Establish waste metals and waste plastics parks
- ❖ Strengthen cooperation with neighboring and exporting countries, jointly crack down on waste smuggling

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Thank you
for your attention

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