

Update on Thai Regulations and Border Control Activities for Enforcement of the Basel Convention

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Outline

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- ◆ Recently amended rules and regulations (Waste lists)
- ◆ Import and export statistics
- ◆ New activities



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Basel Convention (Basic information)

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- Thailand is a member of Basel Convention.
- Import and export of hazardous waste is controlled under Basel Convention.
- Importer and exporter must obtain a consent from the government of destination country.
- Prohibition of importing and exporting hazardous waste to a non-member country.
- Ban on the import of wastes for final disposal
- Restriction on the import of wastes for 3Rs



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Hazardous Substance Act A.D. 1992

Classification of Hazardous Substances

Class 1



Class 2



Notify DIW
before
specified
actions*



Class 3



Obtain
permission
before
specified
actions*



Class 4



Prohibit to *
Import, Export,
Production
and Having in
possession
Except:
specific uses

Inform DIW before import and export

Hazardous Substance Lists

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- **Chemical wastes (62 items)**
 - **61 items: Hazardous waste in Annex 8, List A of the Basel Convention (Class 3 Hazardous Substance)**
 - **1 items: Dry cell batteries containing Hg and Cd (Class 4 Hazardous Substance)**
- **Used electronic and electrical equipments/parts :
Used EEE (2 items)**
 - **Equipments (Class 3 Hazardous Substance)**
 - **Parts (Class 3 Hazardous Substance)**



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Used electronic and electrical equipments/parts - DIW Notification

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- **Import of Used EEE is allowed only for objectives**
 - **Reuse**
 - **Repair**
 - **Refurbish** as it original purposes (must be used ≤ 5 yrs for photocopier & its parts, except toner cartridge and fuser module; must be used ≤ 3 yrs for others)
 - **Disassembly and recycling/recovery**
(Under the Basel Convention)



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Import of controlled waste

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- **Used tires and scraps**
 - Prohibit used tires and scrap
- **Used acid-lead batteries**
 - Prohibit used acid-lead batteries (whole and parts)
- **Plastic scraps**
 - Prohibit unclean and unsorted plastic scraps
 - Cleaned plastic scraps shall be smaller than 2 cm in size except plastic using as raw material for polyester factories and electronic and electrical factories.

Industrial Waste Management Rate

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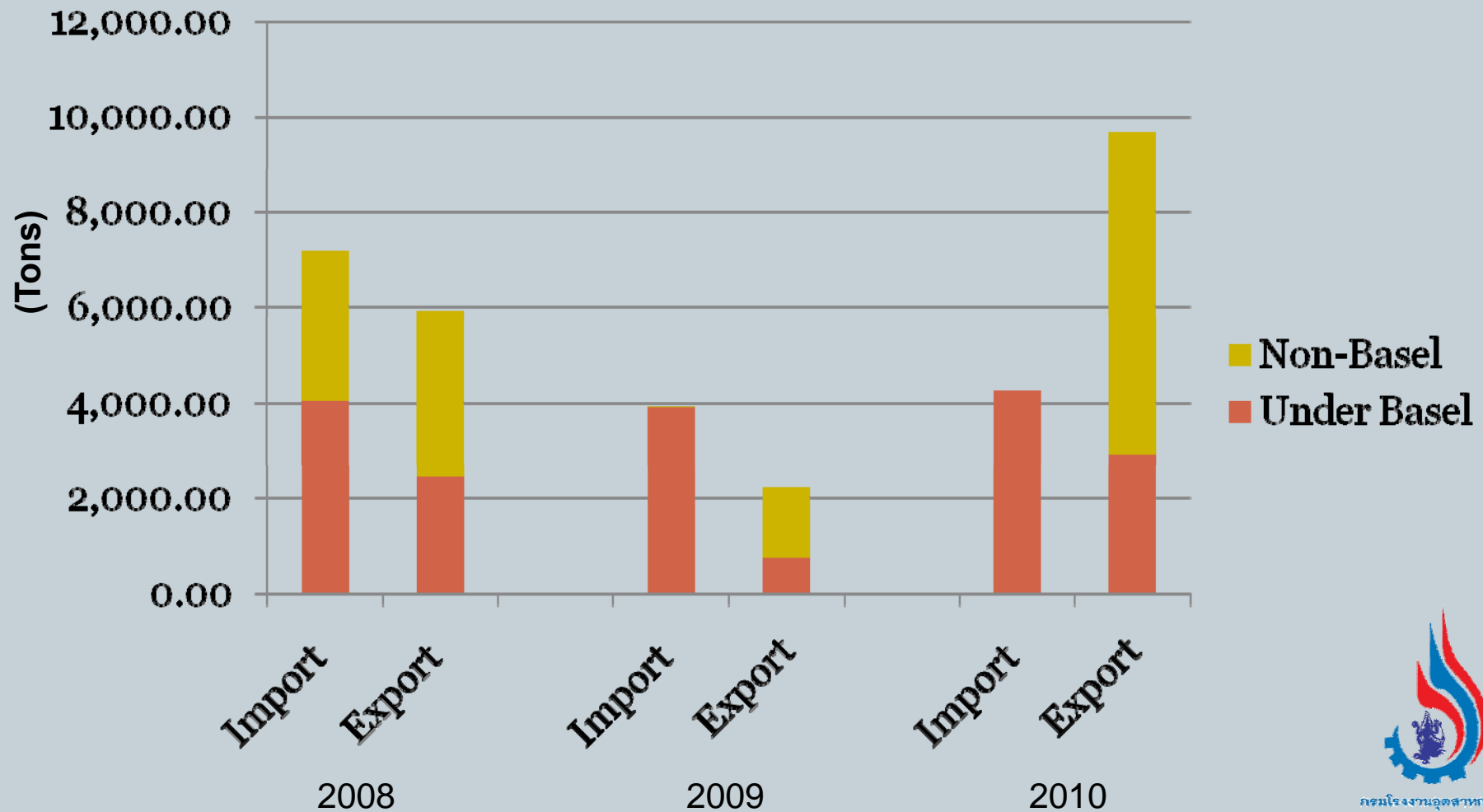
	Non - Hazardous Waste (%)	Hazardous Waste (%)
Reuse	27.6	23.9
Energy Recycling	13.3	27.7
Material Recycling	50.3	15.5
Export	1.5	2.8

Data : Department of Industrial Works Database, waste quota granted to be transferred out of factories in 2010

Disposal	4.0	17.0
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Hazardous Waste Import & Export

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Hazardous Waste Import under Basel Convention in 2010

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Waste	Countries
Waste electrical and electronic assemblies or scrap contaminated with Cd, Hg, Pb, PCB (Used Xerox Office Equipments)	Japan
Waste from the production, formulation and use of inks, pigments, paints, lacquers, vanish (Used Xerox Office Supplies Containing Residual Toner)	



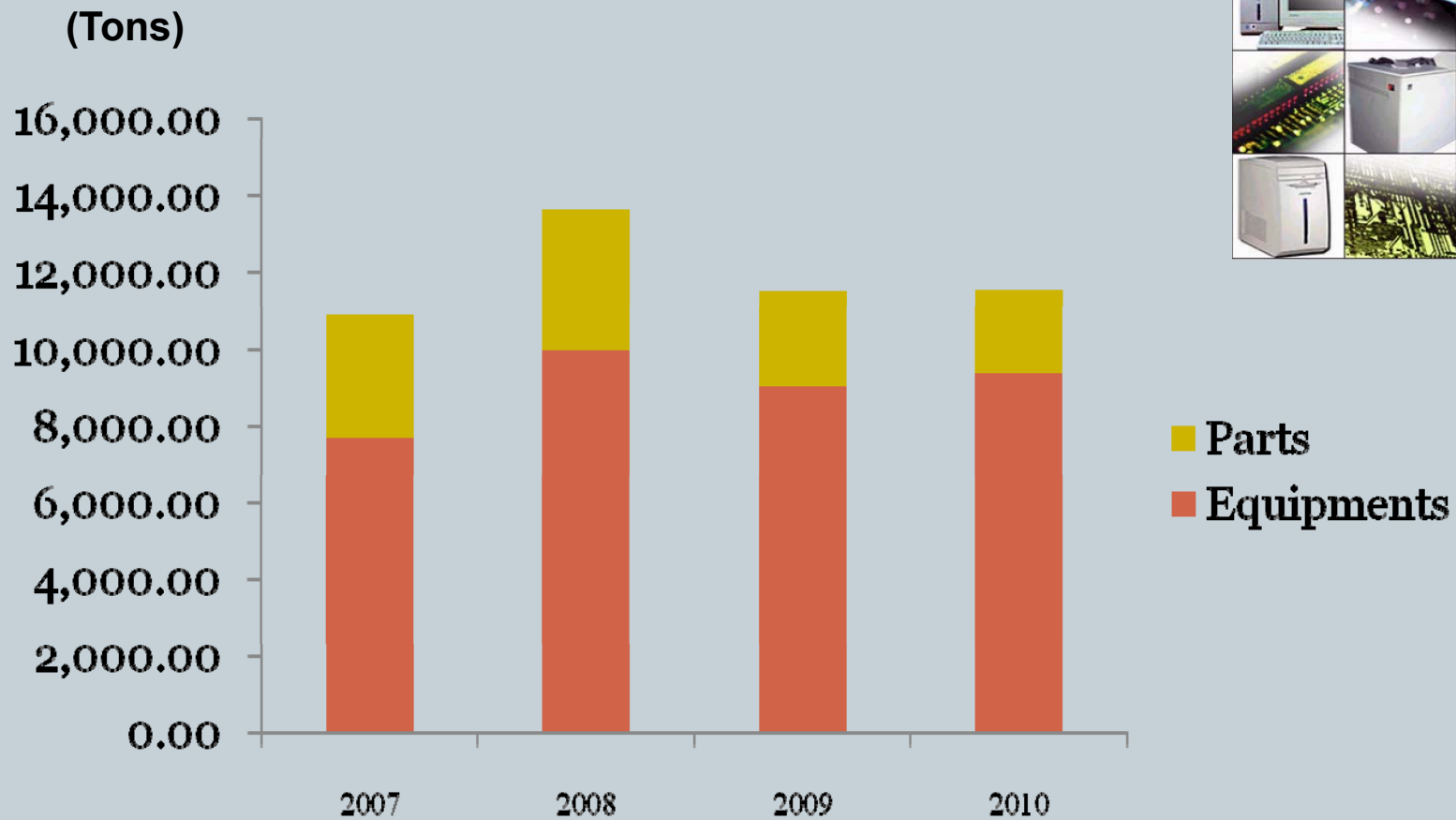
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Hazardous Waste Export under Basel Convention in 2010

Waste	Countries
Waste having as constituents or contaminants of heavy metal - Solder dross/Tin alloy - Waste sludge (Sn, Pb scrap) - Mercury sludge	Japan Philippines Germany Belgium Sweden
Galvanic sludge	Singapore
Unsorted batteries	Hong Kong
Waste electrical and electronic assemblies or scrap contaminated with Cd, Hg, Pb, PCB - Printed circuit boards - IC scraps - Unsorted electronic component	Montenegro
Catalysts	
Silver paste	

Used Electronic and Electrical Equipments/Parts Import

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Activities

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- Training course on law and regulation to import and export hazardous waste
 - DIW officers
 - Entrepreneurs
 - Custom officers
 - Other agencies
- Certified Waste Processors
- Promote of waste utilization concept to reduce waste to landfill
- Promote green industry and eco-industry concept
- Developing IT system



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Training course on Industrial Waste management toward Eco-Industry

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- 2 training courses
 - March 2, 2011
 - March 23, 2011
- Training topic
 - Industrial waste management law and regulation
 - ✦ Transport waste out of factory
 - ✦ Import and export waste
 - Basel convention
- Target group : 155 Participants
 - Importer/Exporter
 - Waste generators
 - Waste processor

Technical training workshop on identification and monitoring of hazardous waste transboundary movement in Thailand

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- **3 days training workshop (8th annual technical training workshop)**
- **Training topics**
 - Hazardous Waste Definition
 - Basel Convention/Rotterdam/Stockholm/Vienna(Montreal protocol)
 - Sample collection methods and inspection procedure
 - Role of Officers (Customs, Port, Environment)
 - Domestic laws & regulations & their amendments (Illegal TBM of HW) by Customs & CA
 - Import-Export of used EEE
 - Site visits – recycling factory
- **Target group**
 - government agencies (i.e. Custom officer, DIW, PCD, IEAT)
 - private organizations
 - Other agencies

Certified Waste Processors Project

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- To improve the operation process of Waste processors
- 60 Waste processors participate this project
- 39 Waste processors passed the standard
 - Gold Medal = 20 Waste processors
 - Silver Medal = 13 Waste processors
 - Bronze Medal = 6 Waste processors



Gold Medal



Silver Medal



Bronze Medal

Focal Point:

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