

Updates on implementing activities of the Basel Convention

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Amount of imported items

Unit: Ton/Year, 1,000 USD

item	2003		2004		2005		2006	
	unit	price	unit	price	unit	price	unit	price
Total	49,024	10,138	104,668	22,473	168,430	54,394	295,618	76,986
Waste Battery	48,630	9,989	102,009	21,860	165,500	52,864	281,640	75,565
PVC-coated cable	28	10	2,260	423	1,930	960	2,690	728
Sludge	–	–	–	–	–	–	8,138	642
Waste glasses	–	–	–	–	–	–	138	4
Lead scrap	–	–	–	–	–	–	–	–
Ni-Cd Battery	366	139	419	190	1,000	570	550	32

Amount of exported items

Unit: Ton/Year, 1,000 USD

item	2003		2004		2005		2006	
	unit	price	unit	price	unit	price	unit	price
Total	27	38	–	–	1,638	1,028	3,050	385
Lead scrap	–	–	–	–	–	–		
Ion exchange Resin	–	–	–	–	–	–		
Spent fluorescent glass	–	–	–	–	–	–		
Spent liquid crystal	–	–	–	–	–	–		
Waste water remnants	–	–	–	–	–	–		
Waste oil	–	–	–	–	–	-		
PVC-coated wire	–	–	–	–	500	300	400	-
Waste plastic	-	-	-	-	65	98		
PCB transformer	–	–	–	–	711	113	1,150	126
PCB waste	27	38	–	–	362	517	1,500	259

Imports of slag, ash and others for cement manufacturing

- Massive amounts of wastes like “granulated slag arising from the manufacture of iron and steel(B1200)”, “slag arising from the manufacture of iron and steel as a source of TiO_2 and Vanadium(B1210)”, “Coal-fired power plant fly-ash, not included on list A(B2050)” and “bottom ash and slag tap from coal fired power plants(GG030)” are currently being imported from Japan.
- Many controversial articles were reported on the cement manufactured from materials mentioned above. Now the Ministry of Environment moves an amendment to the Waste Management Act; mandatory notification is demanded for every single waste for its international transactions.



Main regulations on Hazardous Waste

- Act on the control of trans-boundary movements of hazardous wastes and their disposal (1992/1994/1997/1998/1999/2001)
- Waste Management Act

→ Exporters and importers should notify competent authorities of the export and import of all kinds of waste, except for ones, such as paper and metal scrap, which are properly managed

Relevant regulations

- Guideline for improvement of material/structure of products for stimulating recycling (1993)
- Waste deposit-refund system (1992)
 - Extended Producer Responsibility (2003)

→ E-wastes under EPR had began with 5 and extended to 10 items.
2003: refrigerators, washing machines, TV, air conditioner,
PC(including monitors)
2005: audio, mobile phone
2006: printers, copy machines, facsimile

Act for resources recycling of electrical and electronic equipment and automobiles (2008)

■ Restriction of Hazardous Substances

Restricted substances	Maximum concentration values	
<ul style="list-style-type: none">• Pb• Hg• Cr⁶⁺• PBB• PBDE	1,000 ppm	A maximum concentration value of under 0.1% by weight in homogeneous materials will be permitted
<ul style="list-style-type: none">• Cd	100 ppm	A maximum concentration value of under 0.01% by weight in homogeneous materials will be permitted

Prevention
Part

■ Make it simple and provide recycling information

- Simplification of materials, broad use of recycling plastic, using the label of materials, improvement of materials and design for easy to separate & dismantle
- Producers should inform recyclers about hazardous substances and dismantle information

Act for resources recycling of electrical and electronic equipment and automobiles (2008) *continues*

Recycling Part

- Establishing recycling target item by item (weight unit)
 - Compliance with recycling target of TV, refrigerator, washing machine, air-conditioner from 55~80% (same as WEEE of EU)
 - Recycling target of vehicle should be 85% until 2015, since then 95% (same as recycling target of EU)
- Duty for recycling
 - Producers and importers of the appliance should recycle certain rate of goods delivered (EPR system adopted)
 - Expenses of discard and recycling fee will be deducted from value of ELV

Weakness in monitoring system

- Surveillance during customs clearance
 - less than 5% exporting commodities checked
- Divided role between local government and Ministry of Environment

Gray area

- Debatable definition
 - gray area between wastes and second-hand commodities

Different regulating criteria

- different from party to party, item to item
- this difference may result in illegal trading

Illegal trans-boundary traffic

- Illegal traffic to developing countries are likely to occur

Insufficient public awareness

- Number of exporters and importers are still unaware of the law

Thank you