

Korea's Waste Export & import Management

2016.9.6



Ministry of Environment

Table of Contents

- I | Overview on Transboundary Movement of Wastes**
 - II | How to control the Transboundary Movement**
 - III | Cooperation with Customs**
 - III | Implementation on Basel Convention**
- 

1. Overview on Transboundary Movement of Wastes

- Korea has **dual regulations** for controlling the transboundary movement of hazardous and non-hazardous wastes
 - Though these two regulations are similar to the way of operating—e.g. competent authority, obligation of electronic invoice, there are some differences between two.

	Permission	Declaration
Introduction	1994. 5 (enacted Basel Convention)	2008. 8
Proposal	To implement the Basel Convention by controlling the hazardous waste's movement	For safe management of ex/imported non-hazardous waste
Kind of Wastes	Hazardous wastes (List of Basel Convention A(61), Code Y (2), List of OECD (22) Total 86)	Non-hazardous wastes (Listed in our regulation—25 items)

1. Overview on Transboundary Movement of Wastes

- Status of Hazardous Wastes (Import)

(unit : thousand ton)	2010	2011	2012	2013	2014	2015	
Total	324.6	275.8	255.9	406.6	415.7	565.9	
Waste batteries	304.3	252.2	217	365.2	372.1	495.8	Recycling lead
Lead dust	-	3.3	3.7	3	-	-	Recycling lead
WEEE	6	12.4	26.3	14.5	17.5	28.7	Extracting metals
Waste metals	1.3	5.9	1.9	5	-	-	Recycling metals
Sludge	2.6	1.5	2.8	11.3	9.8	14.3	Extracting metals
NiCad batteries	0.7	0.4	0.2	1	0.7	3.8	Extracting metals
Etc.	9.7	0.1	4	6.6	15.6	23.3	Slag, CRT and so on

1. Overview on Transboundary Movement of Wastes

- Status of Hazardous Wastes (Export)

(unit : ton)	2010	2011	2012	2013	2014	2015	
Total	609	556	275	364	545	1,530	
WEEE	609	549	275	277	545	1,527	Extracting metals and plastics
Waste catalyst	-	7	-	78	-	0.3	Recycling metals
Waste alkali	-	-	-	9	-	-	Analyzing examination
Waste plastics	-	-	-	-	-	3	Recycling materials

1. Overview on Transboundary Movement of Wastes

- Status of Non-hazardous Wastes (Import)

(unit : thousand ton)	2010	2012	2013	2014	2015	
Total	1,380.7	1,921.5	2,121.7	1,747.4	1,743.3	
Fly ash	963.7	1,231	1,348	1,310	1,348	Sub-resources of cements
Residue	247.6	287.3	312.9	55.3	21.1	Resources for compost or feed
Waste plastics	47.4	87.5	113.4	79.5	80.9	Recycling materials
Waste wood	–	50.7	65.1	26.8	7.7	Recycling for compost
Waste tire	35.3	184.8	150.5	136.4	145.3	Recycling for SRF
Waste cooking oil	41.2	25.6	60.8	83.7	79	Resource for bio-diesel
Waste catalyst	11.3	13.6	23.7	14.6	21.1	Extracting metals
Waste textile	9.1	9.6	16	14.2	8.1	Recycling materials
slag	6.3	5.6	8.8	4.2	9.7	Extracting metals
Etc.	18.8	25.8	22.5	22.7	22.4	

1. Overview on Transboundary Movement of Wastes

- Status of Non-hazardous Wastes (Export)

(unit : thousand ton)	2010	2011	2012	2013	2014	2015	
Total	203	212.2	286.9	298.7	267.9	312.8	
Waste plastics	183.2	162.6	232.2	217.9	211.6	234.3	Recycling materials
sludge	0.6	10	7.7	7.5	10.1	7.5	Extracting metals
Waste catalyst with rare earth	1.3	9.5	10.9	27.5	8.8	10.6	Extracting rare earth
Scrap of WEEE	5.7	8.7	1.2	3.3	5.6	10.4	Recycling materials
Slag	2,1	7.6	2.1	16	9.1	19.5	Extracting metals
dust	2,2	7	17	5	6.6	7.1	Extracting metals
Waste textile	0.3	4.2	6.9	8.6	5.5	8.8	Recycling materials
Etc.	7.6	2.6	8.9	12.9	10.6	11.9	Waste wood, tire, glasses and so on

2. How to control the Transboundary Movement : Permission System

- **Adoption of Basel Convention**

- Korea joined Basel Convention in February 1994, and the act on Basel convention is enacted in March 1994.

- In Act, **permission prerequisite** is also followed by the Basel Convention

- **(export)** in case of no domestic techniques and facilities that might lead environmental management and import country needs the waste for recycling

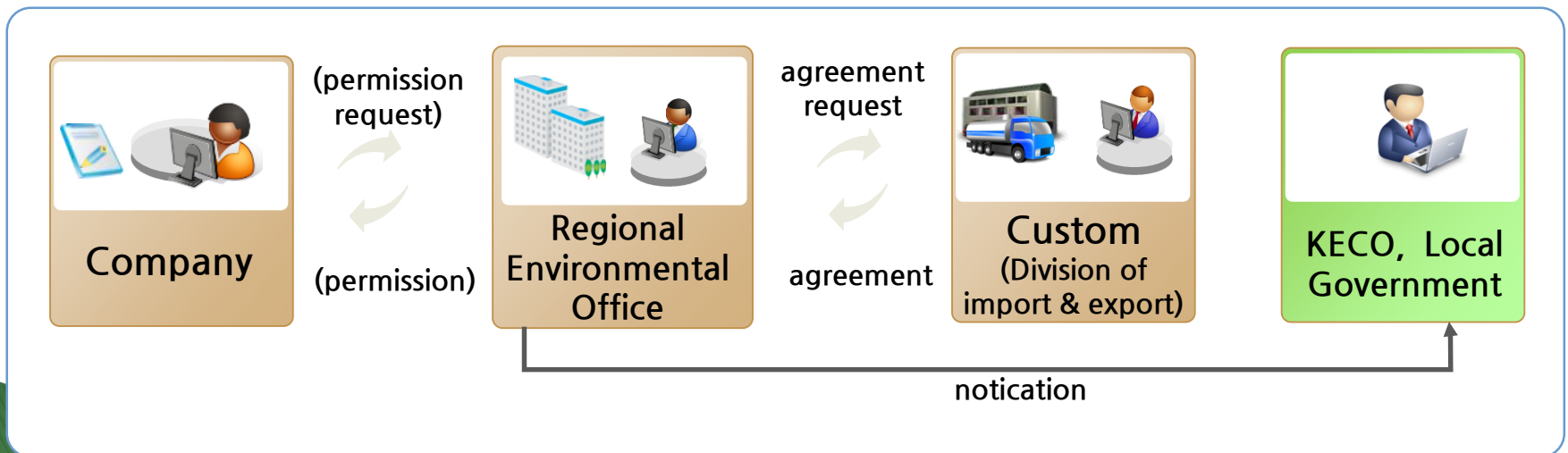
- **(import)** in case of domestic techniques and facilities that might lead environmental management are in domestic market and the country needs the waste for recycling

2. How to control the Transboundary Movement : Permission System

- **Focal Point / the Competent Authority**

- One focal point : Ministry of Environment
- Seven Competent Authority
 - Han River, Nakdong River, Youngsan River, Gum River, Saemangum, Daegu, Wonju
 - The Competent Authority depends on the region of disposal facilities which import or export, not the port.

- **Process of the Permission**



2. How to control the Transboundary Movement : Declaration System

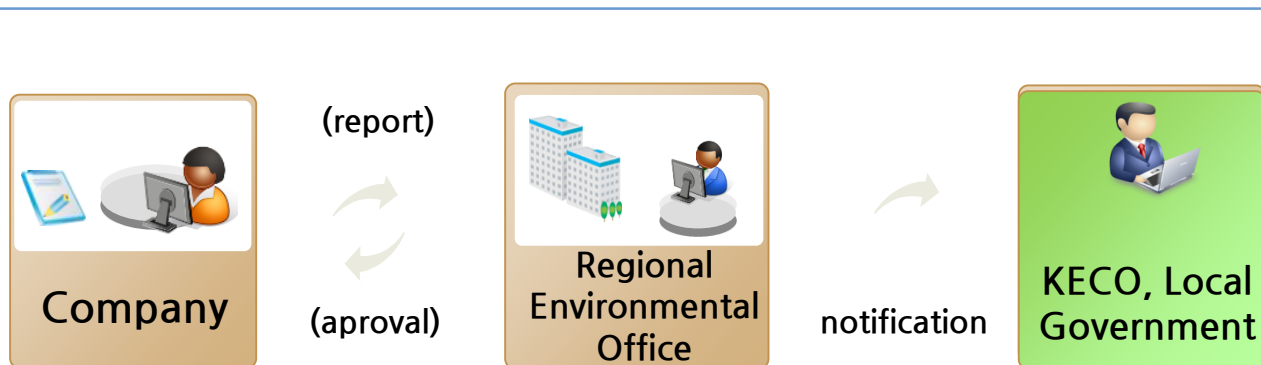
- **Introduction of the declaration system**

- For controlling the non-hazardous wastes, the waste management law was amended in 2008.

- **the List of non-hazardous wastes**

- some wastes on the B list of Basel Convention and the green list of OECE guideline is included
- for example, waste plastics, waste tires, wooden wastes, fly ash, waste metal scraps, waste textiles

- **Process of the Permission**



2. How to control the Transboundary Movement : Internet based system

- **Allbaro system**

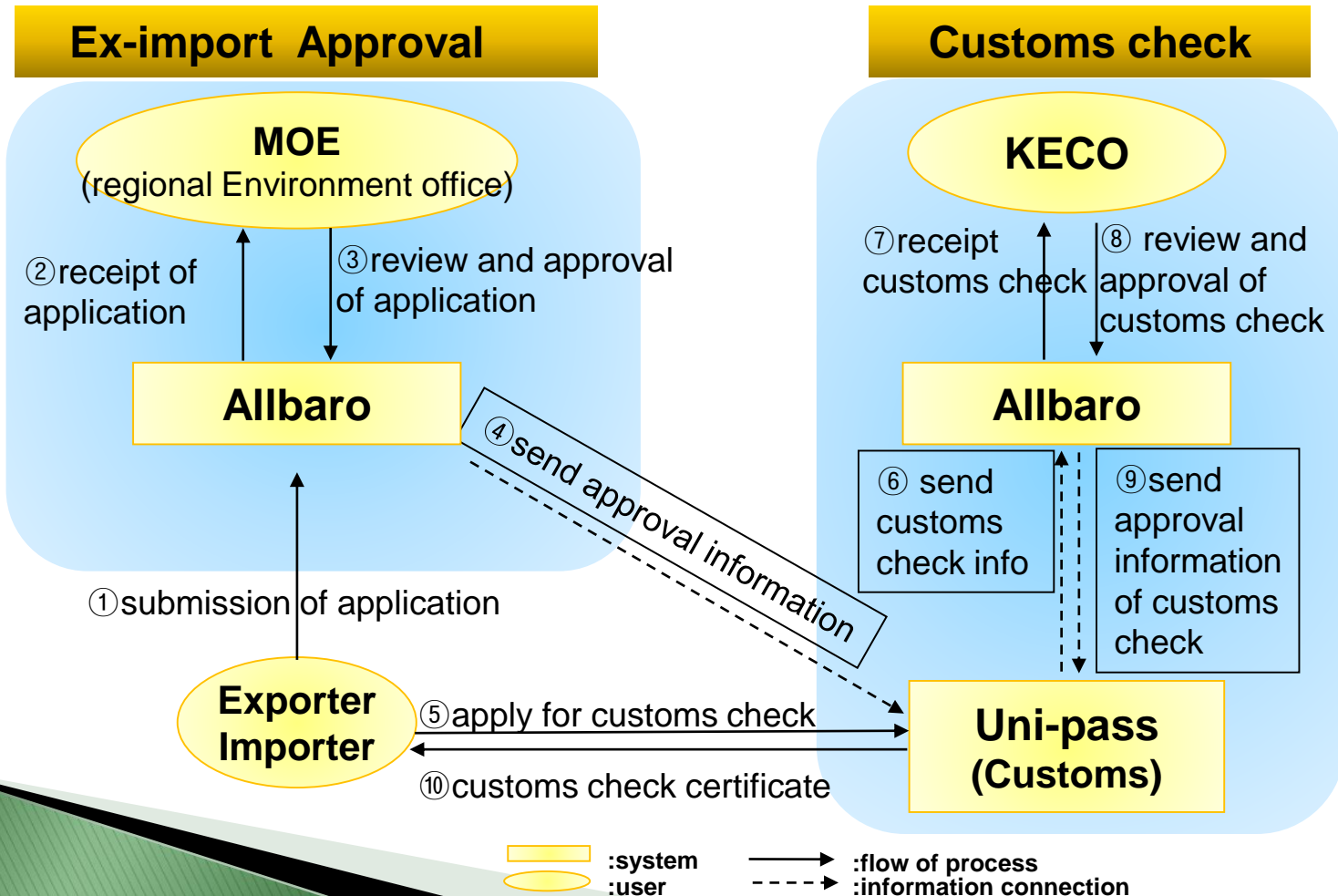
- IT based e-information system managing all processes from discharge, transport, and ultimate treatment of industrial waste using the internet or cutting edge radio frequent identification(RFID) technology instead of paper transfer document
- All the exporters and the importers of wastes has responsibility to put information regarding of transboundary movement of wastes

- **Unipass system**

- IT based system for controlling the customs clearance process is operated by the customs
- Preventing illegal ex/import, each customs has responsibility to check amounts, types, requirement of related regulations and so on

3. Cooperation with the Customs

- **by internet based electronic system** Environmental office and the Customs can share the information on transboundary movement of wastes



3. Cooperation with the Customs

- Each regional office regularly(2 times/y) **inspects suspicious exporters and importers** where the customs provide information to MOE
- For sharing our information and building the relationship between regional environmental office and customs, we yearly hold on **the joint conference**

4. Implementation on Basel Convention

- **Permission System for preventing illegal ex/import**

- As mentioned the former presentation, we try to prevent illegal transboundary movement of wastes

- **International Cooperation**

- We attend COPs and the other international roundtable like Asian-networks
- We held on the 2015 Basel Forum for the first time in Korea to discuss on the implementation of Basel Convention

- **Distinguishing UEEE form WEEE**

- We does not yet the clear distinguish guideline for UEEE
- But we has the specialized law for the recycling and resource recirculation for WEEE so the regulations for sustainably managing WEEE are adopted

4. Implementation on Basel Convention

- In addition, we have **a Free-pick up systems for EEE** to prevent illegal discharge of EEE
 - in 2013, some cities volunteer to pick up the white goods like refrigerator and from 2015 free pick up system has expanded on a national scale
 - If the person who wants to discharge the EEE makes a reservation by call or internet, EEE can be picked up



Thank you

Ministry of Environment
Republic of Korea

