



Session 1:

# Update on Enforcement Activities of the Basel Convention PHILIPPINES

**GERI GERONIMO R. SAÑEZ**  
Chief, Hazardous Waste Management Section  
Environmental Quality Division  
**Environmental Management Bureau**

Workshop 2009 of the Asian Network for Prevention of Illegal Transboundary Movement of Hazardous Waste  
Kuala Lumpur, Malaysia, 20-22 January 2009





# Legislation, Implementing Rules and Regulation

## Established Legislation

- **Republic Act (RA) 6969: “Toxic Substance and Hazardous and Nuclear Wastes Control Act of 1990”**

## Established Rules and Regulation

- **Department Administrative Order (DAO) 2004-36: “Revising DAO 92-29 to further strengthen the Implementation of RA 6969 and Prescribing the Use of the Procedural Manual**





## DAO 94-28: THE INTERIM GUIDELINES ON THE IMPORTATION OF RECYCLABLE MATERIALS CONTAINING HAZARDOUS SUBSTANCES

- ▶▶ **Allows the importation of the following recyclable materials:**
  - ▶▶ Parties
  - ▶▶ Wastes to be Imported must scrap metals (lead acid batteries & metal bearing sludge)
  - ▶▶ solid plastic materials
  - ▶▶ electronic assemblies and scraps
- ▶▶ **All importation must follow the requirements and procedures of the Basel Convention**
  - ▶▶ Notification/Consent between have a definite receiving facility with the essential environmental permits and clearance

## DAO 97-28: AMENDING ANNEX A OF DAO 94-28

- ▶▶ Allows the importation of used oil and oil residues provided:
  - ▶▶ **the spent oil have no traces of polychlorinated biphenyls (PCBs)**
  - ▶▶ excludes importation of tanker sludge





# Legislation, Implementing Rules and Regulation

- Draft Legislation
  - **House Bill No. \_\_: An Act providing for a Comprehensive Hazardous and Radioactive Wastes Management..... “The Philippine Hazardous and Radioactive Waste Management Act of 200\_”**
- Draft Implementing Rules and Regulation
  - **Department Administrative Order (DAO) 200\_- \_\_\_\_: “Revised Procedural Manual for Hazardous Waste Management [Proposed Revision of DAO 04-36**

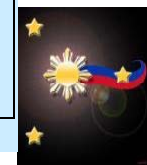




## 2.0 Classification of Hazardous Waste

**Table 2-1 Classification of Hazardous Wastes**

M : Miscellaneous Wastes		
Pathological or infectious wastes	Includes medical wastes from hospitals, medical centers and clinics containing pathological, pathogenic and infectious wastes, sharps, and others	M 501
Asbestos wastes	Wastes containing friable asbestos. Waste blue and brown asbestos fibers. Refer to CCO.	M 502
Pharmaceuticals and drugs	Expired pharmaceuticals and drugs stocked at producers and retailers' facilities which contain hazardous constituents harmful to the environment such as antibiotics, veterinary and phytopharmaceuticals and others	M 503
Pesticides	Waste pesticides other than M 505. Includes all wastewater sludge with hazardous constituents from production of pesticides other than those listed in M 505.	M 504
POPs (Persistent Organic Pollutants) pesticides	Waste pesticides listed in the Stockholm Convention (POPs Convention) such as aldrin, chlordane, dieldrin, endrin, heptachlor, hexachlorobenzene, mirex, toxaphene, and DDT.	M 505
Waste from electrical and electronic equipment (WEEE)	Waste from electrical and electronic equipment (WEEE) that contain hazardous components such as lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers	M 506





## 2.0 Classification of Hazardous Waste

**Table 2-1 Classification of Hazardous Wastes**

D: Wastes with inorganic chemicals		
Selenium and its compounds	Includes all wastes with a total Se concentration > 1 mg/L based on analysis of an extract	D401
Arsenic and its compounds	Includes all wastes with a total As concentration > 1 mg/L based on analysis of an extract	D402
Barium and its compounds	Includes all wastes with a total Ba concentration > 70 mg/L based on analysis of an extract	D403
Cadmium and its compounds	Includes all wastes with a total Cd concentration > 5 mg/L based on analysis of an extract	D404
Chromium compounds	Includes all wastes with a total Cr concentration > 5 mg/L based on analysis of an extract	D405

**As >5mg/L, Ba >100ppm**







**Table 2-1 Classification of Hazardous Wastes**

Lead compounds	Includes all wastes with a total Pb concentration > 1 mg/L based on analysis of an extract	D406
Mercury and mercury compounds	Includes all wastes with a total Hg concentration > 0.1 mg/L based on analysis of an extract. These also includes organomercury compounds. Refer to CCO.	D407
Fluoride and its compounds	Includes all wastes with a total F concentration > 100 mg/L based on analysis of an extract	D408
<del>Other wastes with inorganic chemicals</del>	<del>Wastes containing the following chemicals:</del> <ul style="list-style-type: none"> <li><del>- antimony and its compounds;</del></li> <li><del>- beryllium and its compounds;</del></li> <li><del>- metal carbonyls;</del></li> <li><del>- copper compounds;</del></li> <li><del>- zinc compounds;</del></li> <li><del>- tellurium and its compounds;</del></li> <li><del>- thallium and its compounds;</del></li> <li><del>- inorganic fluorine compounds excluding calcium fluoride</del></li> </ul>	<del>D499</del>

**Pb >5mg/L, Hg >0.2mg/L**

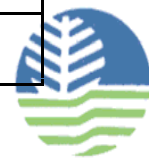




## SUMMARY OF NOTIFICATIONS

(Received/Consented)

Year 2008	Export	Import
January	1	0
February	1	0
March	4	0
April	10	0
May	8	0
June	7	1
July	1	1
August	8	2
September	5	1
October	0	2
November	7	1
December	18	0

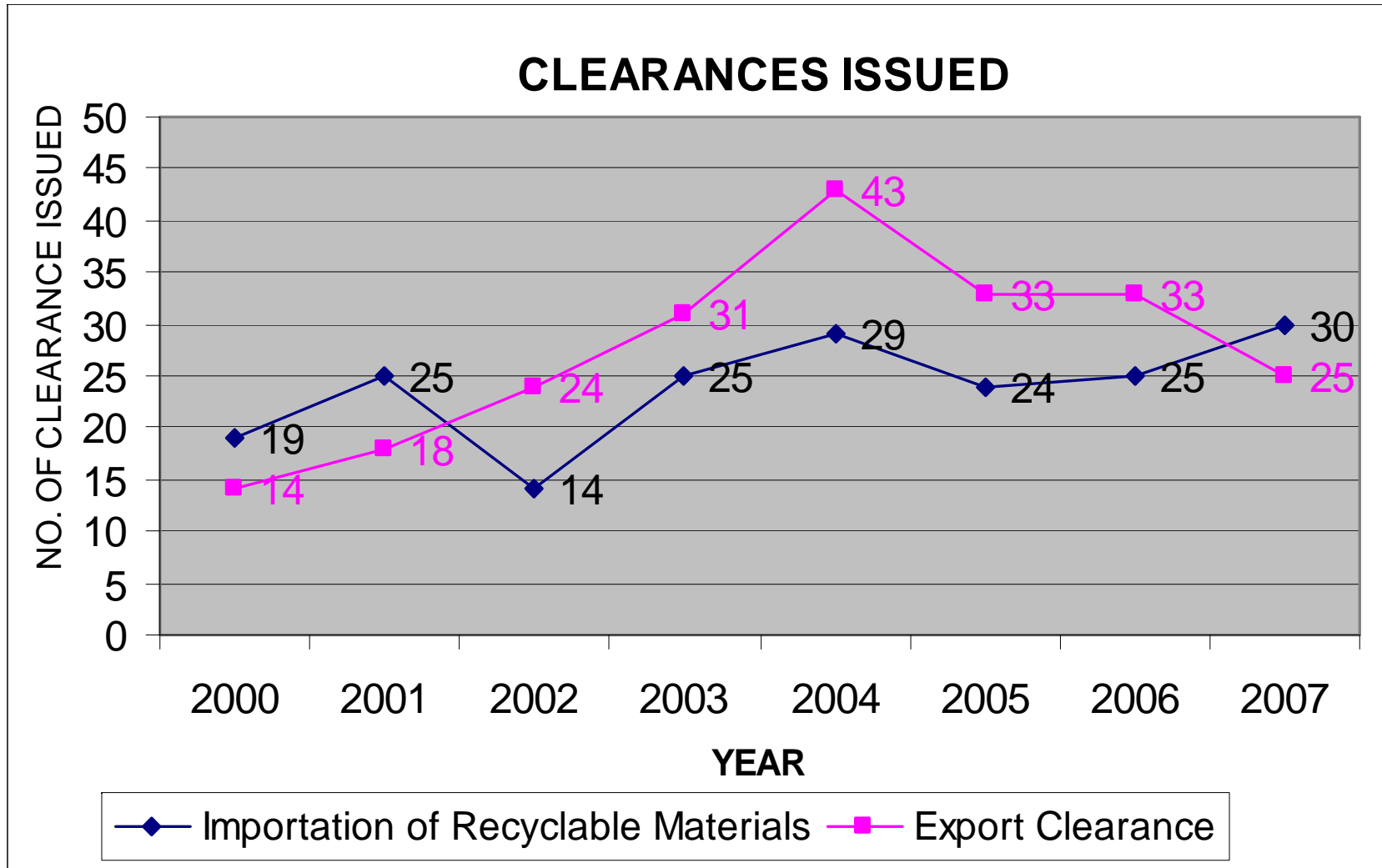






TYPE OF CLEARANCE	NUMBER OF CLEARANCES ISSUED							
	2000	2001	2002	2003	2004	2005	2006	2007
Importation of Recyclable Materials	19	25	14	25	29	24	25	30
Export Clearance	14	18	24	31	43	33	33	25
<b>Total</b>	<b>33</b>	<b>43</b>	<b>38</b>	<b>56</b>	<b>72</b>	<b>57</b>	<b>58</b>	<b>55</b>







**SUMMARY OF IMPORT CLEARANCE ISSUED**

(in metric tons)

SOURCE	YEAR								
	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bangladesh							384	384	384
Bulgaria					5,000		5,000		
Chile		1,500							
Germany	6,000	14,000	9,000	17,100	23,200	37,100	10,000	22,400	4,840
Ghana									10,000
Hongkong		123.49							
India									384
Japan	249		1,237.66	77.532	1,317.632	1,200	19.32	9,783	16,611.601
Korea		8.80				3,010.428	7,012.50		10,060
Malaysia	1,183		1,100			1,000		1,280	4,896
Netherland		5,500	2,400	850	536.67	1,000	23,750		
New Zealand		750	2,500	720			3,200	5,000	8,000
Pakistan									768
Papua New Guinea		350					120	120	160
Romania			6,000	6,000					
Singapore				5,000	11,000	25,536	10,000	30,000	30,000
Sri Lanka	6,000	10,000	4,000	5,000	5,000	12,000	12,000	18,000	12,000
Sultanate of Oman				1,434	12,600	9,450	8,925,000		
Taiwan		40.664							
Thailand		240	950	990	1,260	1,020	870	2,240	720
USA		24	395			12,000	12,000	12,000	



Workshop 2009 of the Asian Network for Prevention of Illegal Transboundary Movement of Hazardous Waste  
Kuala Lumpur, Malaysia, 20-22 January 2009



## SUMMARY OF EXPORT CLEARANCES

(in kilograms)

Destination	YEAR							
	2000	2001	2002	2003	2004	2005	2006	2007
Belgium	200,000							
Finland	270,000	674,000	703,000	1,163,000	340,000	335,000	215,200	215,000
France			200,000		400,000		517,000	
Germany	201,000		820,000	2,020,000	1,535,000	1,060,000	1,150,000	1,500,000
Hongkong	100,000							
Holland					500,000		400,000	400,000
Japan	1,787,000	2,156,500	2,272,800	3,454,000	5,604,000	6,833,250	5,161,570	2,660,000
Korea		20,000	250,000	40,000	1,760,000	2,536,500	3,448,000	1,625,000
Netherland	215,000	70,000		300,000				
Singapore			87,500	464,000	36,000	817,386.65	900,000	
Thailand					129,500	84,000	184,000	
United Kingdom				107,000				
USA					2,350,000	2,350,000	1,350,000	1,000,000





## YEAR 2007

Type of Material	Quantity		DESTINATION
	Volume	Unit	
Busted Fluorescent Bulbs (Y29)	10,000.00	kgs	Finland
Organic Chemicals, Aliphatics and Contaminated Containers (Y13)	100,000.00	kgs	Finland
Waste Grinding Sludge and Oil/Water Mixtures (Y19/Y17)	105,000.00	kgs	Finland
<b>Finland</b>	<b>215,000.00</b>		
Discarded Inorganic Chemicals	150,000.00	kgs	Germany
Discarded Organic Chemicals	150,000.00	kgs	Germany
Galvanic Sludge (Y17/Y22)	1,000,000.00	kgs	Germany
Hydroxide Sludge, Filter Cake, Ash, residues and solutions containing nickel, silver, gold, vanadium, copper, zinc, cobalt, molybdenum and tin (Y17/Y35)	200,000.00	kgs	Germany
<b>Germany</b>	<b>1,500,000.00</b>		
Spent of Transition Metal catalyst (Y21/Y22)	400,000.00	kgs	Holland
<b>Holland</b>	<b>400,000.00</b>		
Ag Sludge	500,000.00	kgs	Japan
Busted Fluorescent Lamps and Busted High Intensity Discharge Lamps	10,000.00	kgs	Japan
Electronic Assembly and Ferrous Waste Scrap (D406/D499)	600,000.00	kgs	Japan





**YEAR 2007**

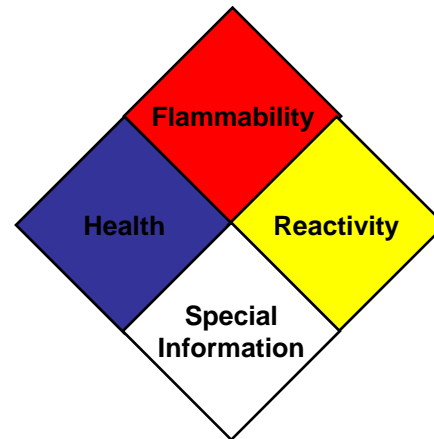
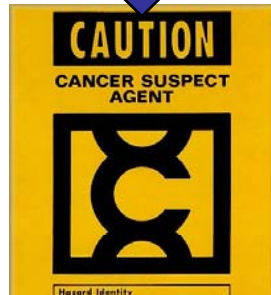
MATERIALS	QUANTITY		SOURCE
	Volume	Unit	
Scrap Metals	384	MT	Bangladesh
	<b>384</b>		
Scrap Plastics	2,340	MT	Germany
Scrap Plastics	2,500	MT	Germany
	<b>4,840</b>		
Scrap Lead Acid Batteries	10,000	MT	Ghana
	<b>10,000</b>		
Scrap Metals	384	MT	India
	<b>384</b>		
Scrap Metal	400	MT	Japan
Scrap Metals	1,200	MT	Japan
Scrap Plastics	900	MT	Japan







# MARAMING SALAMAT PO!!!



Ethylene oxide –  
colorless gas  
(flammable, reactive,  
and explosive)



or

