

Updates on National Policies and Implementation Status of the Basel Convention: *Focusing on E-wastes, ULABs, and Mercury Wastes*



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Outline of Presentation

- EMB Mandates
- Overview of RA 6969
- Statistics on Hazardous Waste Management
- Import and Export Statistics
- Challenges for Border Control
- Take-back Cases
- On-going and Completed Projects



EMB Mandates



Environmental Management Bureau (EMB)

Vision

A nation empowered to protect our finite resources, attuned to the pursuit of sustainable development, for a clean and healthy environment that enhances the Filipino quality of life for present and future generations

Mission

To restore, protect and enhance environmental quality towards good public health, environmental integrity and economic viability.



EMB Mandates



P.D. 1586: The Philippine Environmental Impact Statement (EIS) System of 1978



R.A. 8749: The Philippine Clean Air Act of 1999



R.A. 9003: The Ecological Solid Waste Management Act of 2000



R.A. 9275: The Philippine Clean Water Act of 2004



R.A. 6969: Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990



R.A. 9512: Environmental Awareness and Education Act of 2008

Under E.O. 192, EMB is also mandated to provide research and laboratory services, and serve as secretariat in the adjudication of pollution cases.



Overview of RA 6969



Republic Act (RA) 6969

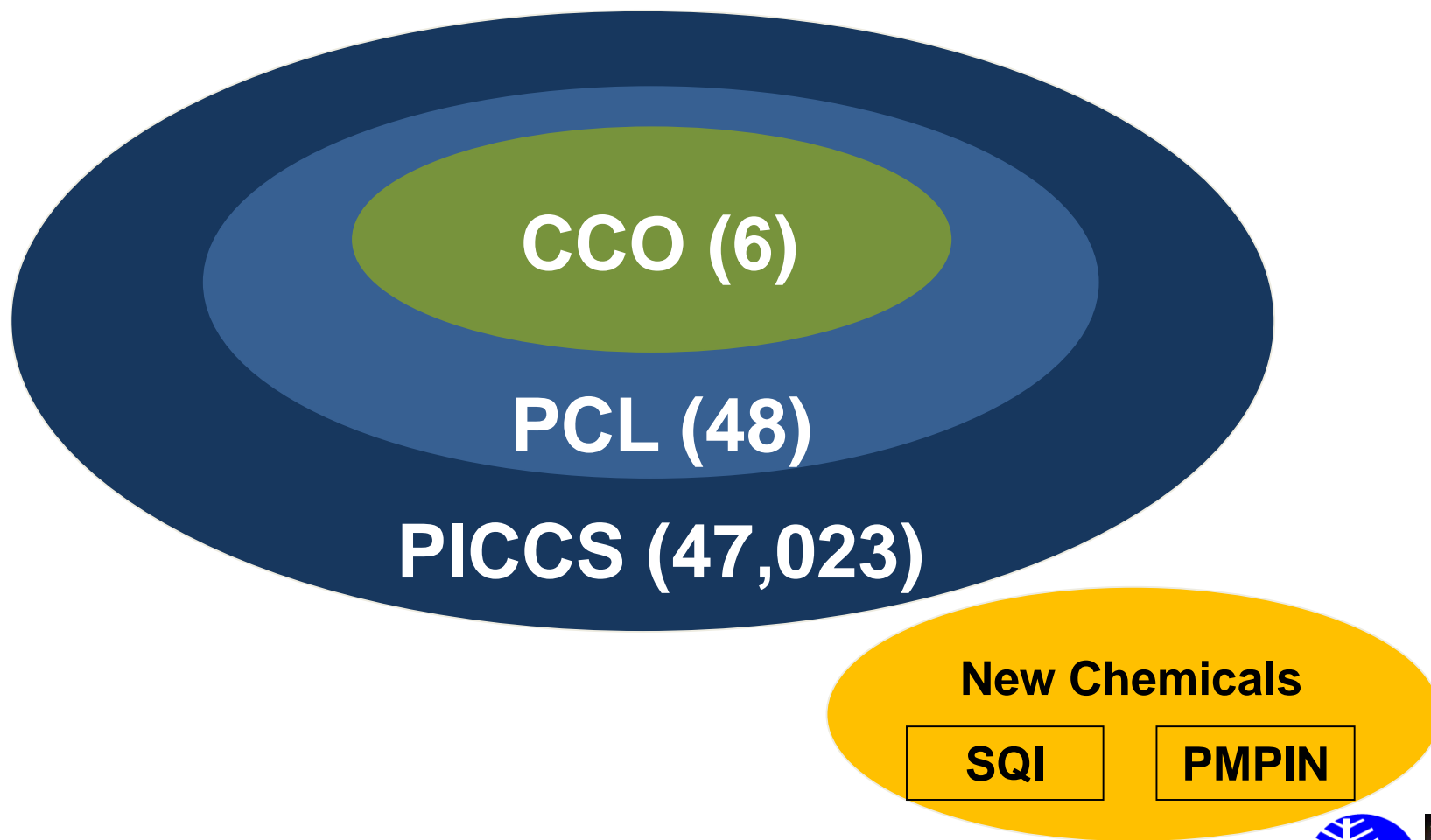
“Toxic Substance and Hazardous and Nuclear Waste Control Act of 1990”



Management of industrial chemicals and hazardous wastes in all aspects of its life cycle, “cradle to grave”- generation, transportation, treatment, storage and disposal



Title II: Chemicals Management



Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Database of all existing chemicals in the Philippines nominated since December 1993

- chemical names (IUPAC)* and its Chemical Abstract Service Number (CAS No.)
- CAS Registry Index Number
- common name of the chemical or substance

***International Union of Pure and Applied Chemistry**



Pre-Manufacture Pre-Importation Notification (PMPIN) Compliance Certificate / Small-Quantity Importation (SQI) Clearance

Applicable to all new industrial chemicals not listed in the PICCS

- **PMPIN Compliance Certificate:** in quantity exceeding 1,000 kg/year (online)
- **SQI Clearance:** quantity less than 1,000 kg/year (manual at the respective Regional Office)



Priority Chemical List (PCL) Compliance Certificate

- 48 chemicals and its compounds considered to be strictly regulated e.g. Chromium, Cadmium, Benzene, Chloroform, Arsenic, Formaldehyde, etc.
- Requires special reporting due to its significant toxic effects either acute or chronic



Chemical Control Order (CCO)

DAO 97-38: CCO for Mercury and its compounds
regulated or limited use – **Minamata Convention**

DAO 97-39: CCO for Cyanide and its compounds
regulated or limited use

DAO 2000-02: CCO for Asbestos
regulated or limited use – **Rotterdam Convention**

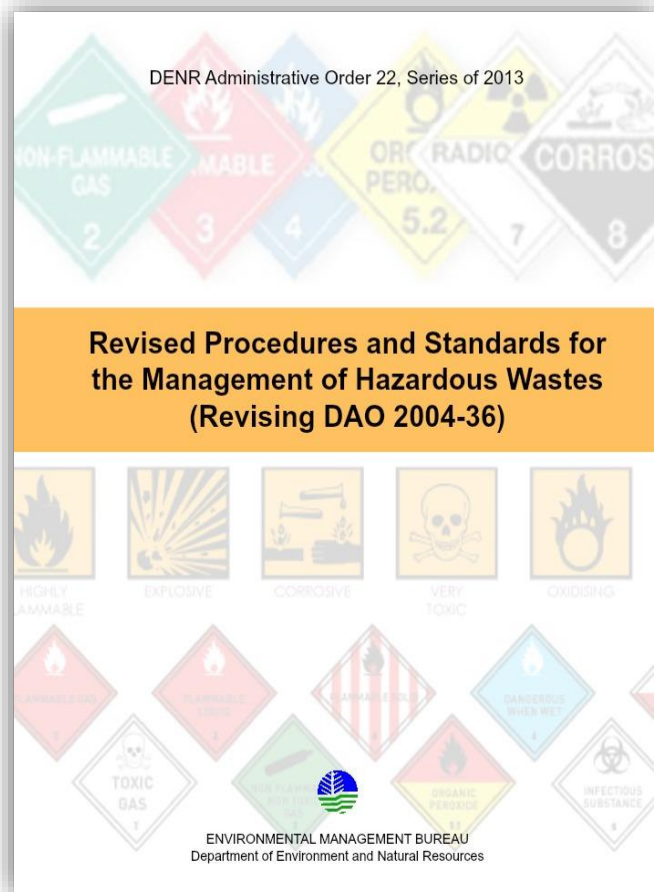
DAO 2000-18: CCO for Ozone Depleting Substances (ODSs)
phase-out (2010) – **Montreal Protocol**

DAO 2004-01: CCO for Polychlorinated Biphenyls (PCBs)
phase-out (2014) – **Stockholm Convention**

DAO 2013-24: CCO for Lead and Lead Compounds
regulated or limited use



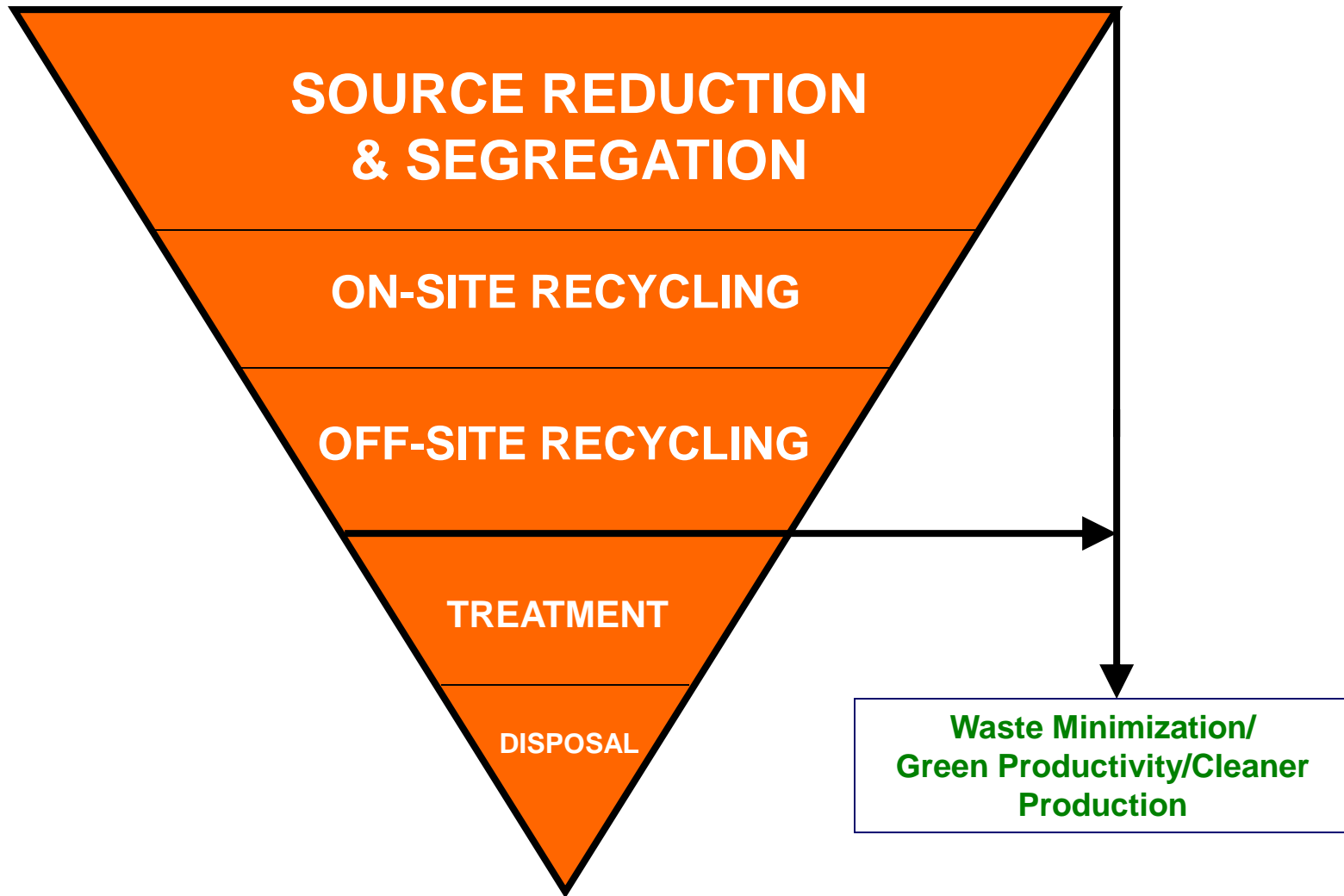
Title III: Hazardous Waste Management



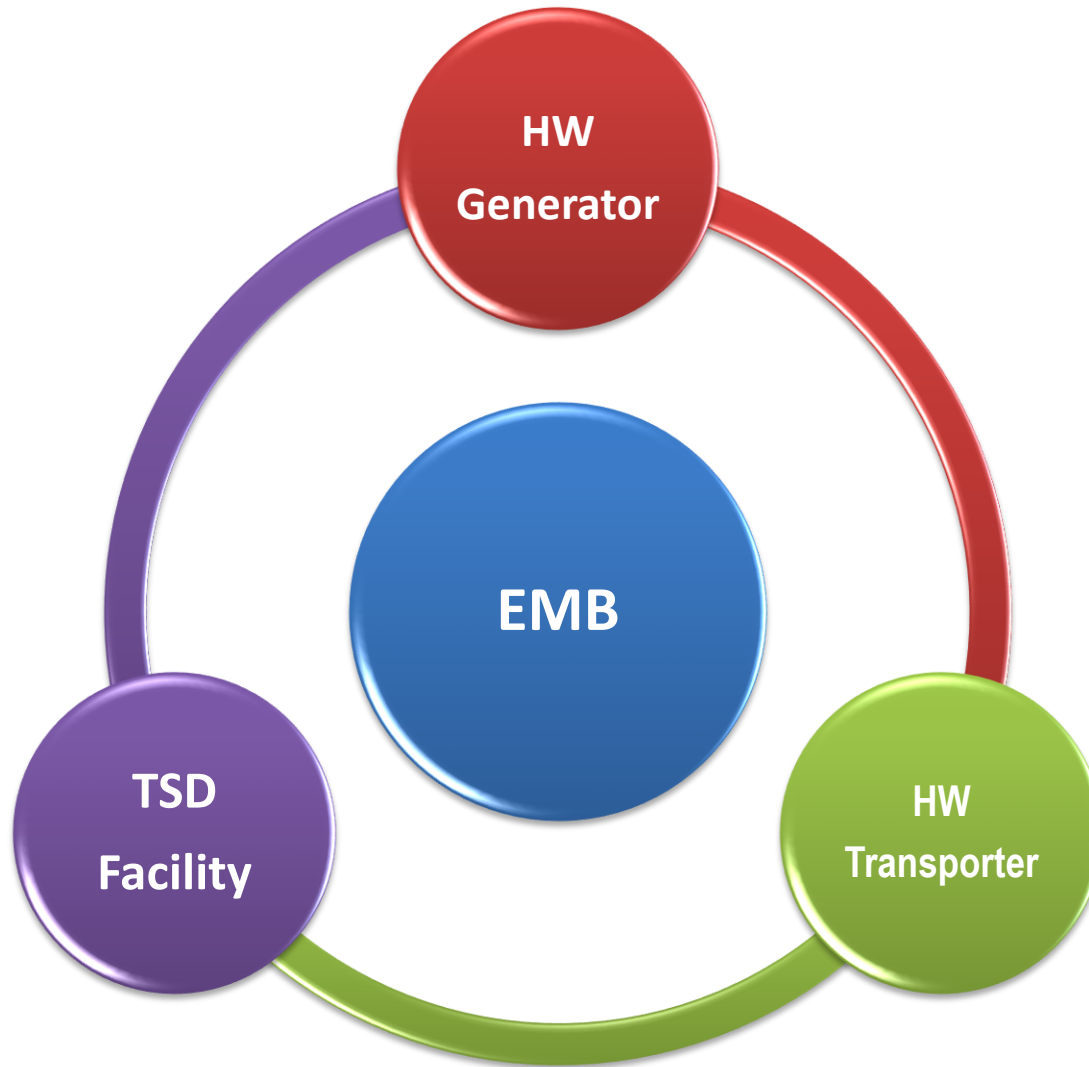
- Classification of Hazardous Wastes
- Registration of Hazardous Waste Generators
- Registration of Hazardous Waste Transporters
- Categories of Treatment, Storage and Disposal (TSD) Facilities



Waste Management Hierarchy



Key Players in HW Management





HW GENERATOR



HW TRANSPORTER



TSD FACILITY



What are Hazardous Wastes?



- substances that are without any safe commercial, industrial, agricultural or economic usage and are shipped, transported or brought from the country of origin for dumping or disposal into or in transit through any part of the territory of the Philippines
- by-products, side-products, process residues, spent reaction media, contaminated plant or equipment or other substances from manufacturing operations and as consumer discards of manufactured products which present unreasonable risk and/or injury to health and safety and to the environment



CHARACTERISTICS OF HAZARDOUS WASTE

TOXICITY

(TCLP)

REACTIVITY

(explosivity, stability)

IGNITABILITY

(temperature)

CORROSIVITY

(pH)



Classification of Hazardous Wastes

CLASS	WASTE NUMBER
A. Wastes with cyanide (>70 mg/L in liquid waste)	A101
B. Acid wastes (pH ≤ 2.0)	B201 to B299
C. Alkali wastes (pH ≥ 12.5)	C301 to C399
D. Wastes with Inorganic Chemicals	D401 to D499
E. Reactive Chemical Wastes	E501 to E599
F. Inks/Dyes/Pigments/Paint/Resins/ Latex/Adhesives/Organic Sludge	F601 to F699
G. Waste Organic Solvents	G703 to G704
H. Organic Wastes	H802
I. Oil	I101 to I104
J. Containers	J201
K. Stabilized Wastes	K301 to K303
L. Organic Chemicals	L401 to L404
M. Miscellaneous Wastes	M501 to M507



Exempted Wastes

- **Household wastes such as garbage under RA 9003 except **Special Wastes****
- Wastewaters which are disposed of on-site through the sewerage system
- Materials from building demolition except those containing asbestos
- Septic tank effluents and associated sullage wastewaters
- Untreated spoils from mining, quarrying and excavation works but not materials in the nature of tailings, commercially treated materials and mine facility consumables



Requirements for **HW Generators**

- Register online
- Designate a Pollution Control Officer (PCO)
- Determine if wastes are hazardous
- Submit reports to EMB Regional Office
- Responsible for storage and labeling of wastes
- Submit Contingency and Emergency Plan
- Conduct personnel training



Requirements for **HW** Transporters

- Register online
- Drivers and helpers must have appropriate competency on Hazardous Waste Management
- Contingency and Emergency Plan
- Environmental Guarantee Fund
- Valid contract with registered TSD facility(ies)



Requirements for TSD facilities

- Register online
- Designate a Pollution Control Officer (PCO)
- Comply with the waste acceptance requirements and the Manifest System
- Submit residuals management plan
- Prepare and implement an emergency contingency plan
- Conduct personnel training
- Valid contract with registered transporter(s)



Categories of TSD Facilities

Category	Type
A	Onsite Treatment and Disposal Facilities
B	Thermal Treatment Facilities
C	Disposal Facilities
D	Recycling Facilities
E	Chemical Treatment Facilities
F	Storage Facilities



Statistics on Hazardous Waste Management



SUMMARY OF REGISTERED HW GENERATORS

Region	2016	2015	2014	2013	2012	2011
Philippines	24,738	21,719	19,485	17,874	15,865	14,109
CAR	499	420	332	314	302	261
Reg 1	1,218	1,171	1,076	1,023	937	896
Reg 2	686	617	500	469	447	402
Reg 3	3,614	3,341	3,278	2,985	2,335	1,681
NCR	5,908	5,144	4,686	4,231	3,579	3,233
Reg 4-A	3,994	3,466	3,170	2,818	2,543	2,237
Reg 4-B	557	472	356	312	269	241
Reg 5	859	841	730	707	691	681
Reg 6	1,287	1,212	981	909	887	855
Reg 7	1,406	1,209	1,149	1,090	1,047	963
Reg 8	626	575	530	509	456	397
Reg 9	357	337	274	262	260	255
Reg 10	829	498	421	384	348	329
Reg 11	1,405	1,200	899	834	798	775
Reg 12	972	727	670	614	574	528
Caraga	509	489	433	413	392	375
NIR	12					



SUMMARY OF REGISTERED HW TRANSPORTERS

REGION	2011	2012	2013	2014	2015	2016
I	4	3	3	3	1	1
II	1	1	1	-	1	-
III	67	50	55	38	34	38
IV-A	111	98	81	66	59	67
IV-B	4	1	-	1	-	-
V	7	4	3	4	2	1
VI	6	4	1	3	2	1
VII	23	21	20	14	17	12
VIII	-	1	3	2	1	3
IX	1	-	1	-	-	-
X	9	8	7	4	3	4
XI	12	15	18	13	12	11
XII	2	5	6	3	4	4
NCR	113	87	85	65	52	58
CAR	1	1	-	2	1	-
CARAGA	1	1	1	-	1	1
TOTAL	362	300	285	218	190	201



SUMMARY OF REGISTERED TSD FACILITIES

REGION	2011	2012	2013	2014	2015	2016
I	3	3	3	5	3	3
II	-	-	-	-	-	-
III	26	27	26	28	31	32
IV-A	46	41	45	36	38	42
IV-B	-	1	-	-	1	-
V	2	1	1	1	-	1
VI	4	3	1	1	1	1
VII	12	8	8	6	13	11
VIII	5	2	2	1	2	2
IX	-	-	-	-	-	-
X	5	6	5	4	6	7
XI	6	14	15	9	6	10
XII	-	2	-	-	2	3
NCR	17	22	21	23	20	23
CAR	1	-	-	-	-	-
CARAGA	-	-	-	-	-	-
TOTAL	127	130	127	114	123	135



SUMMARY OF REGISTERED TSD FACILITIES BY CATEGORY

REGION	TSD CATEGORY					
	A	B	C	D	E	F
1	-	-	-	1	1	-
2	-	-	-	-	-	-
3	-	3	-	14	6	5
4A	1	1	-	17	6	15
4B	-	-	-	-	-	-
5	1	-	-	-	-	-
6	-	-	-	-	-	-
7	-	2	-	6	-	2
8	-	-	-	2	-	-
9	-	-	-	-	-	-
10	2	2	-	2	-	-
11	-	2	-	7	-	-
12	-	-	-	2	1	-
NCR	-	1	-	10	4	5
CAR	-	-	-	-	-	-

LEGEND:

CATEGORY

DESCRIPTION


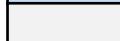
- A Facilities that conduct onsite treatment and disposal for hazardous wastes generated within the facility that employs or utilizes technologies from Categories B to E
- B Facilities that commercially treat industrial hazardous wastes using thermal technologies either burn or non-burn
- C Landfills that only accept hazardous wastes for final disposal
- D Facilities that recycle or reprocess hazardous waste, which are not generated or produced at the facility
- E Facilities that accept and treat hazardous wastes, which are not generated or produced at the facility using immobilization, encapsulation, polymerization, or similar processes. Facilities include those that receive hazardous wastes outside the premises and transform physical or chemical characteristics of the hazardous wastes by physico-chemical or thermal treatment to dispose them into facilities in Category C
- F Facilities that store hazardous wastes, which were not generated from the facility awaiting transport for treatment, disposal, or export



SUMMARY OF HAZARDOUS WASTES GENERATED/TREATED

YEAR	CLASSIFICATION OF HAZARDOUS WASTES												
	A	B	C	D	E	F	G	H	I	J	K	L	M
2010	936,881.22	9,937.88	98,751.60	77,161.19	805.80	9,911.04	4,472.62	28,596.91	136,211.88	3,174.91	16,475.85	982.63	23,142.49
	79,475.28	7,121.81	16,413.47	24,045.12	432.58	3,928.70	3,117.13	407.40	104,589.36	8,897.56	2,349.80	74.57	3,631.82
2011	3,054,611.82	12,653.42	187,710.96	283,643.54	1,990.03	77,408.97	817,424.27	70,799.67	404,631.97	27,085.17	23,878.81	581.18	16,920.24
	2,659,981.21	7,258.38	78,927.34	213,753.50	495.38	65,901.21	898,193.91	931.69	609,314.26	36,734.39	7,924.70	40.21	15,728.16
2012	112,620.48	281,166.97	53,086.00	29,081.96	337.11	5,475.11	165,136.98	437.19	72,674.83	13,856.43	3,401.79	36.86	19,689.37
	68,720.71	76,172.93	22,684.89	8,088.57	81.11	3,491.46	125,910.83	318.67	38,098.38	9,523.13	926.41	17.61	67,014.49
2013	565,841.03	100,891.15	195,009.36	269,815.90	464,668.17	10,418.35	352,381.23	591,904.09	5,918,533.65	432,478.33	1,486.10	115.04	44,597.59
	131,622.23	48,551.78	103,158.68	165,454.99	464,124.81	58,981.43	66,394.33	119.16	5,521,086.57	13,619.46	7,968.26	702.11	34,885.87
2014	190,714.45	5,414.76	83,884.13	806,175.57	62.97	134,834.30	27,969.36	352.79	124,049.30	13,254.72	4,629.11	2,263.69	318,900.21
	208,832.78	3,057.18	612,506.61	15,725.16	21.59	6,572.32	13,229.81	125.05	25,831.64	1,964.50	15,293.86	12.70	10,424.62
2015	400,112.43	311,608.61	981,128.13	626,968.45	330.25	33,165.14	7,446.49	4,945.68	189,370.03	12,824.60	1,964.17	928.32	417,353.44
	372,475.08	14,254.72	355,687.03	53,760.24	48.31	111,611.53	3,486.98	833.96	194,524.07	1,602.75	1,513.30	126.75	119,708.77

LEGEND:

	HW Generated (in tons)
	HW Treated (in tons)

A: Wastes with Cyanide

B: Acid Wastes

C: Alkali Wastes

D: Wastes with Inorganic Chemicals

E: Reactive Chemical Wastes

F: Inks/Dyes/Pigments/Paint/ Resins/Latex/Adhesives/Organic Sludge

G: Waste Organic Solvents

H: Organic Wastes

I: Oil

J: Containers

K: Stabilized Wastes

L: Organic Chemical

M: Miscellaneous Wastes



Import and Export Statistics



Basel Convention

- ▶▶ adopted by the Conference of the Plenipotentiaries on 22 March 1989 in Basel, Switzerland
- ▶▶ entered into force 05 May 1992
- ▶▶ ratified by the Philippine Senate on 21 October 1993 thus the Philippines became a signatory and a contracting party
- ▶▶ entered into force on 01 January 1994
- ▶▶ the **Department of Environment and Natural Resources - Environmental Management Bureau** is the Focal Point and Competent Authority to the Convention



DAO 2013-22

- ▶▶ **Allows the importation of the following recyclable materials:**
 - ▶▶ scrap metals (lead acid batteries & metal bearing sludge)
 - ▶▶ solid plastic materials
 - ▶▶ electronic assemblies and scraps
 - ▶▶ Used oil
 - ▶▶ Fly ash

- ▶▶ **All importation must follow the requirements and procedures of the Basel Convention**
 - ▶▶ Notification and Consent between Parties
 - ▶▶ Wastes to be Imported must have a definite receiving facility with the essential environmental permits and clearances



Import of ULABs and Solder Dross

Category of Wastes	Year	Country of Origin	Quantity (MT)
Lead solder dross/tin alloy	2013	Thailand	240
Whole scrap rains	2013	Singapore	21,000
<i>Sub-Total 2013</i>			<i>21,240</i>
Solder dross, tin alloy	2014	Thailand	240
Whole scrap ULABs	2014	New Zealand	18,000
Whole scrap ULABs	2014	Australia	12,600
Whole scrap ULABs	2014	Singapore	8,000
Whole scrap ULABs	2014	Africa	10,000
<i>Sub-Total 2014</i>			<i>48,840</i>
Whole scrap ULABs	2015	Singapore	5,000
Solder dross, tin alloy	2015	Thailand	240
<i>Sub-total 2015</i>			<i>5,240</i>
Whole scrap ULABs	2016	Singapore	16,000
Whole scrap ULABs	2016	USA	1,200
solder dross	2016	Taiwan	100
Used ULABs	2016	New Zealand	24,000
Used ULABs	2016	United Arab Emirates	16,000
<i>Sub-total 2016</i>			<i>57,300</i>
GRAND TOTAL			132,620



Export of Lead Wastes

Category of Wastes	Year	Country of Destination	Quantity (MT)
solder dross, microsolder balls, lead frame scrap (partial solder plating), Ag paste syringe and bottles, electronic assemblies scrap and ferrous waste scrap	2013	Japan	1,000
TOTAL 2013			1,000
Ag sludge, paste bottle, microsolder balls, solder paste syringe, lead frame scrap (partial solder plating), solder dross, Ag paste extract, Ag paste syringe, electronic assemblies scrap, ferrous waste scrap, epoxy syringe	2014	Japan/Korea	100,980
TOTAL 2014			100,980
Antimony compounds, lead compounds and copper compounds	2015	Japan	600
TOTAL 2015			600
Antimony compounds, Lead compounds, Copper compounds/ WEEE	2016	Japan	600
Lead frame scrap, (partial solder plating, microsolder balls, defective diodes scrap (various), cutting wastes scraps (various) and solder dross	2016	Japan	100
TOTAL 2016			700
GRAND TOTAL			103,280



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Electronic assemblies and appliances	2013	USA	4,536	pcs
Used assorted humidifiers and warm steam vaporizers	2013	USA	434	pcs
Used washing machines	2013	Japan	200	pcs
Used cathode ray tube	2013	Korea	1,056	pcs
Computer parts	2013	Korea	730	pcs
Computer parts and accessories	2013	Korea	32,345	pcs
Used computer, computer parts and accessories	2013	Korea	23,776	pcs
Used copier machines	2013	Singapore	100	pcs
Used copier machines	2013	USA	198	pcs
Used CPUs	2013	Korea	1,000	pcs
Used desktop computers	2013	Korea	1,250	pcs
Used electronic musical instruments	2013	Japan	6	pcs
Used GAF cookers	2013	Korea	19	pcs
Used massage machines	2013	Korea	2	pcs
Used microwaves	2013	Korea	23	pcs



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Used pants pressers	2013	Japan	20	pcs
Used photocopying machine	2013	Korea	2	pcs
Used printer	2013	Japan	13	pcs
Used printers and photocopying machines	2013	Australia	510	pcs
Used projectors	2013	Japan	6	pcs
Used projectors	2013	USA	17	pcs
Used running machines	2013	Korea	20	pcs
Used speakers	2013	Japan	10	pcs
VGA cards	2013	Korea	200	pcs
<i>Sub-total</i>			<i>66,473</i>	<i>pcs</i>
Used amplifiers	2013	Japan	10	pkgs
Used computers and accesories	2013	Korea	4,160	pkgs
Used copier machines	2013	Germany	126	pkgs
Used copier machines	2013	USA	107	pkgs
Used electric planner	2013	Japan	200	pkgs
Used refrigerators	2013	Japan	16	pkgs
Used TV sets	2013	Japan	11,559	pkgs
<i>Sub-total</i>	<i>2013</i>		<i>16,178</i>	<i>pkgs</i>
Used speakers	2013	Korea	5	sets
<i>Sub-total</i>			<i>5</i>	<i>sets</i>



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Electronic assemblies containing PCB and other metals	2013	Thailand	500	MT
Electronic motor scrap	2013	Costa Rica	1,000	MT
Electronic assemblies containing lead and other metals	2013	New Zealand	2,000	MT
<i>Sub-total</i>			<i>3,500</i>	<i>MT</i>
CCTV camera	2013	Korea	40	units
CRT monitors	2013	Japan	7,624	units
DVD players	2013	Korea	250	units
Electric rice cooker/pod	2013	Japan	533	units
Graphic card	2013	Korea	600	units
Hard disks	2013	Korea	3,000	units
Hard disks	2013	Japan	50	units
Keyboards	2013	Korea	2,700	units
LAN card	2013	Korea	1,500	units
Used LCD monitor	2013	Japan	1	unit
Motherboards	2013	Korea	1,650	units
Mouse	2013	Korea	2,300	units
Notebooks/Laptops	2013	Korea	4,350	units
Electronic assemblies and appliances		Japan	412	units



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Power supply	2013	Korea	15,000	units
Used airconditioner	2013	Japan	6,072	units
Used airconditioner	2013	Korea	769	units
Used amplifiers	2013	Japan	69	units
Used amplifiers and speakers	2013	Japan	66	units
Used chiller	2013	Japan	100	units
Used TV	2013	Korea	179,459	units
Used computers	2013	Japan	4,429	units
Used computers	2013	Korea	6,002	units
Used computers	2013	USA	110	units
Used LCD monitor	2013	Korea	23,700	units
Used computers and used monitors	2013	Japan	36,000	units
Used monitor	2013	Japan	9,053	units
Computer parts		Japan	1,422	units
Computer parts	2013	Korea	1,230	units
Used computers and accessories	2013	Korea	10,220	units
Used computer sets and appliances	2013	Korea	4,600	units
Used computer sets and appliances	2013	Korea	6,429	units
Used computer sewing machine	2013	Japan	458	units



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Used copier machines	2013	Singapore	108	units
Used CPUs	2013	Japan	600	units
Used CPUs	2013	Korea	24,700	units
Used CRT tube	2013	Japan	578	units
Used digital camera	2013	Japan	38	units
Used earphones	2013	Japan	80	units
Used electric piano	2013	Japan	5	units
Used electric pod	2013	Japan	84	units
Used electric print machine motors and parts		USA	13	units
Used electric print machine motors and parts	2013	Canada	3	units
Used electrical goods	2013	Japan	1,049	units
Used exhaust fan	2013	Japan	7	units
Used FD monitor	2013	Japan	48	units
Used guitar amplifiers	2013	Japan	634	units
Used home theater	2013	Japan	1	unit
Used home theater	2013	Korea	5	units
Notebooks/Laptops	2013	Japan	1,689	units
Used laser printer	2013	Japan	100	units
Used LCD monitor	2013	Japan	1,155	units
Used TV	2013	Japan	79,077	units
Used mini refrigerators	2013	Japan	1,260	units



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Used monitor	2013	Korea	27,052	units
Used refrigerators		Japan	9,070	units
Used refrigerators	2013	Korea	1,033	units
Used remote control for TV	2013	Japan	284	units
Used speaker	2013	Japan	18	units
Used synthesizers	2013	Japan	14	units
Used TV	2013	USA	48	units
Used TV and household appliances	2013	Korea	670	units
Used TV and household appliances	2013	Japan	4,920	units
Used washing machines	2013	Japan	986	units
Used washing machines	2013	Korea	665	units
Vending machine	2013	Japan	2	units
<i>Sub-total</i>			<i>486,194</i>	<i>units</i>



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Electronic assemblies	2014	Thailand	500	MT
<i>Sub-total</i>			<i>500</i>	<i>MT</i>
Used computer parts and accessories	2014	Korea	4,288	pkgs
Used photocopying machines	2014	France	71	pkgs
Used computer, computer parts and accessories	2014	Korea	2,051	pkgs
<i>Sub-total</i>			<i>6,410</i>	<i>pkgs</i>
Electrical appliances	2014	Japan	35	pcs
Used airconditioner	2014	Korea	134	pcs
Used washing machines	2014	Korea	36	pcs
Used computer parts and accessories	2014	Korea	880	pcs
Used computer sets and computer parts	2014	Japan	3,923	pcs
Used flip down monitor	2014	Japan	747	pcs
Used laminating machine	2014	Japan	2	pcs
Used TV	2014	Japan	476	pcs
Used TV	2014	Korea	6,378	pcs
Used paper shredder	2014	Japan	6	pcs
Used personal computer cable	2014	Japan	155	pcs
Used TV and household appliances	2014	Korea	1,675	pcs
<i>Sub-total</i>			<i>14,447</i>	<i>pcs</i>



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Complete lotto terminals	2014	USA	150	units
Electronic goods	2014	USA	203	units
Metal casing with electronic printed circuit board	2014	Israel	700	units
Printers	2014	USA	142	units
Scanners	2014	USA	162	units
Used computer	2014	Japan	726	units
Used computer	2014	Korea	2,200	units
Used computer parts	2014	Korea	12,700	units
Used computer sets and computer parts	2014	Korea	31,300	units
Used photocopying machines	2014	Belgium	96	units
Used photocopying machines	2014	Germany	370	units
Used photocopying machines	2014	Italy	148	units
Used photocopying machines	2014	USA	99	units
Used EIZO medical grade monitors	2014	Singapore	15	units
Used refrigerators	2014	Japan	296	units
Used monitors	2014	Korea	1,800	units
Used TV	2014	Korea	15,930	units
Used TV	2014	Japan	1,352	units
Used washing machines and refrigerators	2014	Korea	62	units
<i>Sub-total</i>			<i>68,451</i>	<i>units</i>



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Electronic assemblies	2015	Korea	70	bxs
Used computer parts and accessories	2015	Korea	470	bxs
Used LCD monitors	2015	Korea	1,000	bxs
<i>Sub-total:</i>			<i>1,540</i>	<i>bxs</i>
Used electrical goods	2015	Japan	624	pkgs
TOTAL:	2015		624	pkgs
Used CPUs	2015	Korea	2,000	pcs
Used CPUs	2015	Japan	173	pcs
Used accessories	2015	Korea	7,000	pcs
Used computers	2015	Korea	4,850	pcs
Used computers	2015	Japan	55	pcs
Used computer parts and accessories	2015	Japan	15,000	pcs
Used computer parts and accessories	2015	Korea	16,050	pcs
Used CPUs and accessories	2015	Korea	24,000	pcs
Used gaming machines	2015	Japan	20	pcs
Used monitors	2015	Japan	30,205	pcs
Used monitors	2015	Korea	31,815	pcs
<i>Sub-total:</i>			<i>132,416</i>	<i>pcs</i>
Used airconditioners	2015	Japan	2	units
Used airconditioners	2015	Korea	100	units
Used copier machines	2015	Sweden	51	units
Used photocopying machines	2015	Germany	49	units
Used photocopying machines	2015	Singapore	645	units
Used photocopying machines	2015	Sweden	231	units
Used refrigerators	2015	Japan	277	units
Used refrigerators	2015	Korea	100	units
Used TV sets	2015	Korea	181,192	units
Used TV sets	2015	Japan	1,585	units
<i>Sub-total:</i>			<i>184,232</i>	<i>units</i>



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Used computer sets and mother board	2016	Korea	1,200	MT
Used computer sets and mother board	2016	USA	500	MT
Power supply and mother board	2016	USA	200	MT
Power supply and mother board	2016	Korea	3,000	MT
<i>Sub-total</i>			<i>4,900</i>	<i>MT</i>
Used LCD monitor	2016	Korea	2,010	bxs
Used computer parts and accessories	2016	Korea	1,410	bxs
<i>Sub-total</i>			<i>3,420</i>	<i>bxs</i>
Used accessories	2016	Japan	400	pkgs
Used computer parts and accessories	2016	Japan	3,500	pkgs
Used monitors	2016	Japan	2,200	pkgs
<i>Sub-total</i>			<i>6,100</i>	<i>pkgs</i>
Used computer parts and accessories	2016	Korea	70,650	pcs
Used computer parts and accessories	2016	Korea	70,500	pcs
Used accessories	2016	Japan	5,500	pcs
Used accessories	2016	Korea	75,035	pcs
Used CPUs	2016	Korea	3,200	pcs
Hard disks	2016	Korea	200	pcs
Used monitors and accessories	2016	Korea	175,400	pcs
Used monitors and accessories	2016	Japan	112,400	pcs
Used printer	2016	Japan	16	pcs
Used LCD panel	2016	Korea	4,500	pcs
Used monitors	2016	Japan	6,500	pcs
Used monitors	2016	Korea	25,900	pcs
Used refrigerators	2016	Japan	25,201	pcs
Used refrigerators	2016	Korea	6,400	pcs
Used TV/ LCD monitor	2016	Japan	311,660	pcs
Used TV/ LCD monitor	2016	Korea	693,866	pcs
Used washing machine	2016	Japan	5,331	pcs
Used washing machine	2016	Korea	4,200	pcs
<i>Sub-total</i>			<i>1,596,459</i>	<i>pcs</i>



Import of Used EEE and WEEE

Category of Wastes	Year	Country of Origin	Quantity	Unit
Used airconditioners	2016	Japan	1,640	units
Used airconditioners	2016	Korea	8,000	units
Used TV sets	2016	Korea	388,820	units
Used CPU parts and accessories	2016	Japan	49,650	units
Used CPU parts and accessories	2016	Korea	14,662	units
Used monitors and computers	2016	Japan	19,400	units
Used monitors and computers	2016	Korea	500	units
Used monitors	2016	Japan	83,074	units
Used monitors	2016	Korea	107,100	units
Used computers and accessories	2016	Korea	25,998	units
Used photocopying machines	2016	Great Britain	570	units
Used photocopying machines	2016	Italy	2,610	units
Used photocopying machines	2016	Singapore	385	units
Used photocopying machines	2016	Sweden	1,967	units
Used photocopying machines	2016	UK	1,295	units
Used photocopying machines	2016	USA	4,004	units
Used CRT monitor	2016	Japan	2,500	units
Used CRT monitor	2016	Malaysia	36,960	units
Used household appliances	2016	Korea	1,000	units
<i>Sub-total</i>			<i>750,135</i>	<i>units</i>



Export of WEEE

Category of Wastes	Year	Country of Destination	Quantity (MT)
Printed Circuit Board	2013	Japan	380
Scrap/ obsolete electronic components	2013	Japan	400
Used electrical and electronic parts and accessories	2013	Singapore	300
Used toners and ink cartridges	2013	Singapore	200
TOTAL 2013			1,280
Assorted printing boards and component	2014	Japan	240
Precious metal bearing electronic wastes such as printed circuit boards, IC chips and components, mobile handsets	2014	Japan	1,200
Printed Wiring Boards	2014	Japan	6,720
Used supplies containing residual toner	2014	Thailand	80
WEEE	2014	Japan/ Germany/ Singapore/ Thailand	990
TOTAL 2014			9,230



Export of WEEE

Category of Wastes	Year	Country of Destination	Quantity (MT)
TOTAL 2015			9,906
Assorted printed circuit boards and components	2016	Japan/Korea	16,580
Electrical and electronic scrap containing precious metal	2016	Japan	2,500
Precious metal bearing e-wastes such as printed circuit boards, IC chip and components, mobile handsets and computers	2016	Japan	7,800
Used electrical and electronic equipment, parts and accessories (i.e. computer and mobile phones, lithium ion batteries)	2016	Singapore/ Thailand	390
Used supplies comprising of toner cartridges, drum cartridges, CRU and reclaim bottle, cartridge filter	2016	Japan/ Thailand/ Singapore	290
TOTAL 2016			27,560
GRAND TOTAL			38,070



Export of Mercury Wastes

Category of Wastes	Year	Country of Destination	Quantity (MT)
Busted Fluorescent Lamps and Busted High Intesity Discharge Lamps	2013	Japan	24
TOTAL 2013			24
Used lamps containing mercury	2014	Germany	60
TOTAL 2014			60
Busted flourescent lamps and busted high intensity discharge lamps	2015	Japan	24
TOTAL 2015			24
TOTAL 2016			0
GRAND TOTAL			108



Challenges for Border Control



- Mixture with other scraps
- False Declaration



Take-back Cases



Case 1: Country A

- Year: 2017
- Type of Wastes:
woodchips and “recycled synthetic resin” (was later determined to be bailed municipal solid waste)
- Type of illegality:
 - Limiting condition as provided in Annex A, Category 2 of DAO 1994-28 that allows importation of solid plastic materials with the condition that “no importation of heterogeneous and assorted scrap plastic materials shall be allowed”.



Case 1: Country A

- Type of illegality:
 - Annex II of the Basel Convention that prohibits export of waste categorized as Y46: Wastes Collected from Households.
 - The act of dumping these materials have violated RA 9003 “Ecological Solid Waste Management Act of 2000” particularly:
Section 48 item (1) “Littering, throwing, dumping of waste matters in public places...”



Case 1: Country A

- Actions Taken:
 - A Notice of Violation was issued by EMB-7 to the consignee for the settlement of fines. Criminal charges were also filed by the Mandaue City Local Government Unit (LGU).
 - Mandaue City LGU and Bureau of Customs (BOC)-7 facilitated cleanup operations in the lot where over a hundred truckloads of already unloaded wastes were dumped. BOC-7 also arranged the auction of confiscated woodchip materials that were stored in a warehouse.



Case 1: Country A

- Actions Taken:
 - Cleanup operations were completed on March 14, 2017 and the materials were shipped back on March 15, 2017.



Case 2: Country B

- Year: 2013
- Type of Wastes:
Mixed plastic scrap (was later determined to be bailed municipal solid waste)
- Type of illegality:
 - Limiting condition as provided in Annex A, Category 2 of DAO 1994-28 that allows importation of solid plastic materials with the condition that “no importation of heterogeneous and assorted scrap plastic materials shall be allowed”.



Case 2: Country B

- Type of illegality:
 - Annex II of the Basel Convention that prohibits export of waste categorized as Y46: Wastes Collected from Households.



Case 2: Country B

- Actions Taken:
 - Cases were filed in the Department of Justice regarding the importation of 50 x 40 footer container van containing heterogeneous plastic scraps.
 - On-going court case
 - There are only fourteen (14) remaining containers out of the fifty (50). Others were already disposed locally.



On-going and Completed Projects



PROJECTS (Ongoing)

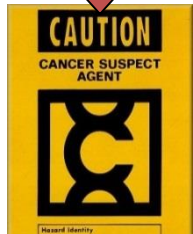
- GEF/UNEP Minamata Initial Assessment (MIA) Project
- GEF/UNDP Used Lead-Acid Batteries (ULABs) Management Project
- GEF/UNIDO Safe PCB and E-waste Management
- BCRC China/SCRCAP Identifying Synergies to Basel, Rotterdam, Stockholm, and Minamata (BRSM) Conventions



PROJECTS (Completed)

- GEF/UNIDO Non-Combustion PCB Destruction Facility Project
- GEF/World Bank Integrated Persistent Organic Pollutants (IPOPS) Project
- UNITAR Ratification and Early Implementation of the Minamata Convention on Mercury in the Philippines





**THANK YOU VERY MUCH
FOR YOUR ATTENTION**

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