

BASEL CONVENTION

WORKSHOP 2010 OF ASIAN NETWORK FOR
PREVENTATION OF ILLEGAL TRANSBOUNDARY
MOVEMENT OF HAZARDOUS WASTES

30 November – 2 December 2010, Siem Reap,
Cambodia

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Structure of the presentation

- a) Rules and Regulations on Import and Export Control of Hazardous Wastes
- b) Definition of Hazardous Wastes
- c) Current Activities on Import and Export Statistics under the Basel Convention
- d) Enforcement Activities for Combating Illegal Transboundary Movement of hazardous Wastes
- e) Regulation and/or relevant policies on Recycling and Environmentally Sound Management (ESM) of Hazardous Wastes

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a) Regulations for Hazardous Wastes Management

- Currently **No Law** in Brunei Darussalam
 - *Pollution Control Guidelines on Industrial Development in Negara Brunei Darussalam*
 - *Hazardous Waste Control Order has been drafted and is being refined- ready by mid of 2011*
- Procedures are in line with the requirement of Basel Convention –export/import and transit of hazardous and toxic wastes

- Poison Act Regulation (Ministry of Health)
–applicable to toxic chemicals regulating pharmaceuticals and pesticides
- Act regulates import, sale, dispensing or application of the chemicals in the poison' list for operators to be licensed

Poison Act

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b) Definition of Hazardous Wastes **(Brunei Darussalam)**

Toxic, Hazardous and Difficult Wastes is defined in the Negara Brunei Darussalam Master Plan: Part 11 – **Solid Wastes Management** as “any matter prescribed to be scheduled waste, or any matter whether in a solid, semi-solid or liquid form, or in the form of gas or vapour which is emitted, discharged or deposited in the environment in such volume, composition or manner as to cause pollution

Hazardous waste is also identified as “scheduled waste”, which is defined as any waste falling within the categories of waste listed in the Fourth Schedule of the Draft Hazardous Waste Control Order for Negara Brunei Darussalam.

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SCOPE-COVERAGE:

- Hazardous wastes (specified in Annex I)
 - Explosive
 - Flammable
 - Poisonous
 - Infectious
 - Corrosive
 - Toxic
 - Ecotoxic

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Generations of Hazardous Wastes

Table 1 provides some illustrative examples of hazardous waste generated by various activities, of which some of them can be found in Brunei Darussalam.

Table

1

Sector	Source	Hazardous Waste
Commerce and Agriculture	Vehicle servicing	Waste oils
	Airports	Oils, hydraulic fluids etc.
	Dry cleaning	Halogenated Solvents
	Electrical transformers	Polychlorinated Biphenyls (PCBs)
	Hospitals	Pathogenic/infectious wastes
	Farms/golf courses/parks	Unused pesticides, "empty" containers
Small-scale industry	Metal treating (electroplating, etching, anodizing, galvanizing)	Acids, heavy metals
	Photofinishing	Solvents, acids, silver
	Textile processing	Cadmium, mineral acids
	Printing	Solvents, inks and dyes
	Leather tanning	Solvents, chromium
Large-scale industry	Bauxite processing	Red muds
	Oil refining / LNG processing	Spent catalysts
	Petrochemical manufacture	Oily wastes
	Chemical/pharmaceutical manufacture	Tarry residues, solvents
	Chlorine production	Mercury

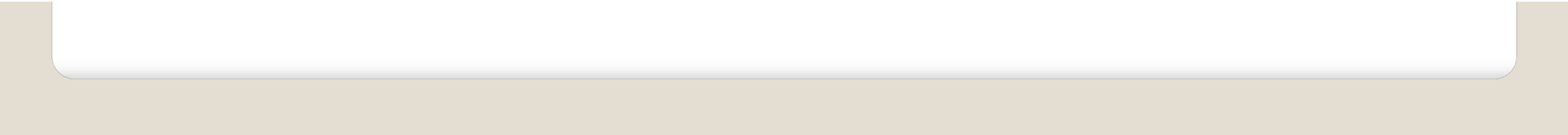
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c)Export Statistics

**List of Hazardous Wastes Exported under the
Basel Convention on the Transboundary
Movement of Hazardous Waste in Brunei
Darussalam**

No.	Notification No.	Type of Waste	Quantity of Waste (Kg)	Waste Generator	Waste Exporter	Country Destination	Remarks
1	GB005263	Motor Fuel Antiknock Sludge (Y31)	30,224.7	Brunei Shell Co. Sdn. Bhd.	P&O Neollotd Ltd. (London)	United Kingdom (via Singapore)	2003
2	CMB/GB005263	Tetra Ethyl Lead (TEL)	13,601.1 (45% OF Antiknock Mixture)	Brunei Shell Co. Sdn. Bhd.	P&O Neollotd. (London)	United Kingdom (via Egypt and Singapore)	2003
3	TFS DE 2774 / 021338	Discarded Organic Chemicals	350,000	Aniq Haziq Bio-Solutions Sdn. Bhd.	Environmental Solutions (B) Sdn. Bhd.	Germany (via Singapore)	Did not proceed as intended 2004
4	TFS DE 2774 / 021337	Discarded Inorganic Chemicals	200,000	Aniq Haziq Bio-Solutions Sdn. Bhd.	Environmental Solutions (B) Sdn. Bhd.	Germany (via Singapore)	Did not proceed as intended 2004
5	TFS No. DE 1350 / 149323	Mixed Batteries and Accumulators (Y23, Y26, Y31, Y34, Y35)	70,000	Brunei Shell Co. Sdn. Bhd	Environmental Solutions (B) Sdn. Bhd.	Germany (via Singapore)	Proceeded to ACCUREC RECYCLING GMBH, Germany 2004
6	TFS No. DE 1350 / 151206	Activated Carbon contaminated with mercury (Y29)	50,000	Total E&P Borneo B.V.	Environmental Solutions (B) Sdn. Bhd.	Germany (via Singapore)	Proceeded to DELA GMBH, Essen Germany 2004
7	TFS No. DE 1600 / 105193	Activated Carbon contaminated	50,000 2006 – 30,000 2007 – 20,000	Brunei Liquified Natural Gas	Environmental Solutions (B) Sdn. Bhd.	Germany (via Singapore)	Proceeded to DELA GMBH, Essen

No.	Notification No.	Type of Waste	Quantity of Waste (Kg)	Waste Generator	Waste Exporter	Country Destination	Remarks
8	TFS No. DE 1350/159554	Mercury Containing Sludge	50,000 kg	Brunei LNG Sdn Bhd	Environmental Solutions (B) Sdn. Bhd.	Germany (via Egypt and Singapore)	Proceeded to DELA GMBH, Essen Germany 2008-2009
9	TFS NO BN 2008/1804	Used Lithium Batteries containing Sulfuryl Chloride, Lithium, Chlorine and Carbon	10,000 kg	HALLIBURTON ESG SDN BHD	ESG SDN BHD	Canada (via Singapore)	Toxco Waste Management Ltd 2008-2009



d) Enforcement Activities for Combating Illegal Transboundary Movement of Hazardous Wastes

- Work closely with the Department of Royal Customs and Excise

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e) Regulations and/or relevant policies on recycling and environmentally sound management of hazardous waste including E-wastes

- Illegal Import and Export Cases

- Currently, **No Report Cases** for both Illegal Import and Export of hazardous wastes including E-Waste for Brunei Darussalam

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Disposal Practices

- Direct disposal/no treatment/improper disposal
- Co-disposal with domestic waste
- Incineration (Hospital)
- Burying
- Recycling
- Out of Country Disposal

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HAZARDOUS SUBSTANCE CONTROL

- Approval from relevant authority to import, store, use and transport hazardous substances
- Storage and handling in accordance to Material Safety Data Sheet
- Emergency Response Plan to deal with accidental release

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HAZARDOUS WASTE CONTROL

- Requirement to treat and dispose hazardous wastes in an environmentally sound manner
- Engagement of approved wastes management operator
- Proper record of hazardous wastes store and disposed

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THANK YOU
FOR YOUR KIND ATTENTION.

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