



DEPARTMENT OF ENVIRONMENT MALAYSIA

CURRENT PRACTICE OF RECYCLING AND TREATMENT OF HAZARDOUS WASTES IN MALAYSIA

ENVIRONMENTAL SOUND MANAGEMENT

- ✘ National Definition: none
- ✘ The principal applied – waste minimization, to manage the waste in a manner that does not create any adverse effect/impact to the environment and public health

ESM TOOLS

- ✘ Environmental Impact Assessment (Section 34A)
- ✘ Written Approval (Section 19) – for constructing the prescribed premises
- ✘ Licensed to Operate (Section 18) of the prescribed premises
- ✘ Competent certificate from DOE for operator to manage the scheduled waste / Effluent Treatment Plant

Requirements Stipulated Under Environmental Quality Act 1974

ESM TOOLS

Prescribed Premises :

- Off site storage facilities
- off-site treatment facilities
- off site recovery facilities
- Scheduled waste incinerators
- Land treatment facilities
- Secure landfills

As per “Environmental Quality (Prescribed Premises) (Scheduled Wastes Treatment and Disposal Facilities) order 1989

ENVIRONMENTAL QUALITY (SCHEDULED WASTE) REGULATIONS 2005

- ✘ Control the generation of waste by a notification system
- ✘ Avoidance or minimisation of waste generation
- ✘ Safe storage of waste
- ✘ Licensing of scheduled waste facilities
- ✘ Treatment and disposal of waste at prescribed premises
- ✘ Implementation of the manifest system for tracking and controlling movement of waste
- ✘ Competent operator / competent officer

ESM FACILITIES : E-WASTE

- ✘ E-waste – Full and Partial Recovery Facilities

- ✘ Full Recovery Facility :

 - *Physical and Chemical Treatment

 - *20 licensed facilities

- ✘ Partial Recovery Facility :

 - *Physical Segregation/ Separation

 - * 110 licensed facilities (previously were scrap vendor for electronic item)

ESM FACILITIES : USED LEAD ACID BATTERIES

- ✘ 7 licensed facilities in the country
- ✘ To receive and process used lead acid batteries from local sources and no import/export allowed
- ✘ Yokohama Batteries Sdn Bhd – reclaimed Pb from the retired batteries, ingot produced and feed their batteries manufacturing plant (ISO 1400:2006)

ESM FACILITIES : E-WASTE (SHANPOORNAM METAL)

- ✘ Priority : Hard Disk Drive, motherboard
- ✘ Able to produce: Al / Gold/Platinum Ingot, Silver, Copper powder, Nickel paste with 2% residue on Al ash and 1-2% from stripping process
- ✘ Pollution Control Equipment : air pollution control and waste water treatment plant well manage and in compliance to the EQA
- ✘ Accreditation : ISO 14001, OSHAS 18001, ISO 9001, Malaysia Industrial Excellent Award, Prime Minister Hibiscus Award (Environmental performance)

THE EXPECTED EFFECT

- ✘ Waste minimization
- ✘ Improve the environmental performance
- ✘ Cleaner Environment
- ✘ Implementing Waste to Wealth Concept, Cradle to Cradle/grave
- ✘ Able to recover/treat the waste generated within Malaysia