



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
ENVIRONMENTAL MANAGEMENT BUREAU

POLICIES AND TECHNOLOGIES **FOR DEVELOPING AND PROMOTING** **ENVIRONMENTALLY SOUND MANAGEMENT**

CURRENT DOMESTIC REGULATIONS



Republic Act 6969

Toxic Substances and Hazardous and Nuclear Wastes Act of 1990

Department Administrative Order 2013-22

Revised Procedures and Standards for the Management of Hazardous Wastes

- **Lithium-ion batteries** and **solar panels**, whether used or waste, are considered hazardous waste under waste classification Waste Electrical and Electronic Equipment (M506).



Republic Act 9003

Ecological Solid Waste Management Act of 2000

Department Administrative Order 2001-34

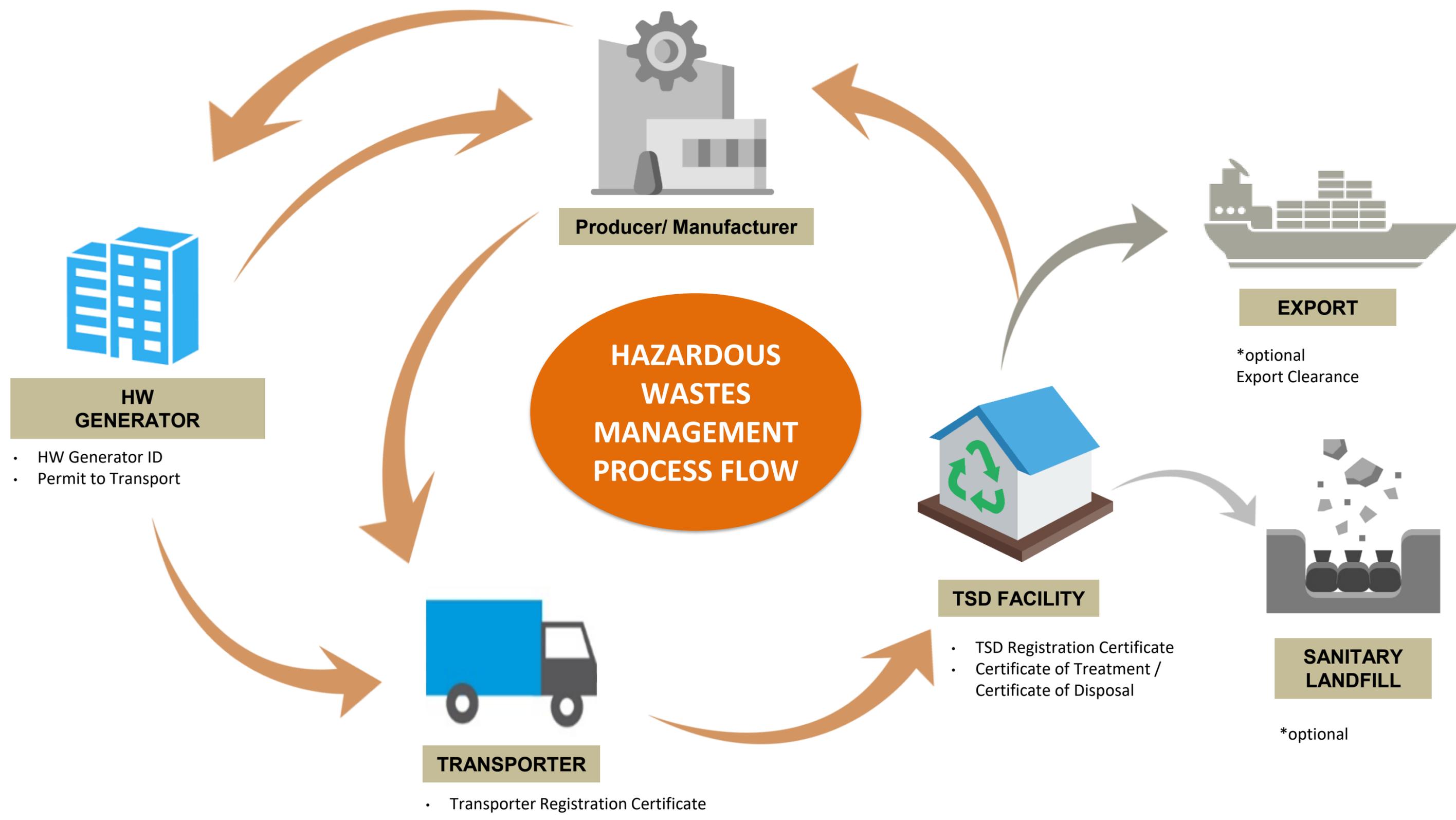
Implementing Rules and Regulations of RA 9003

- **Waste textile** is classified as non-hazardous solid waste.

Department Administrative Order 2019-21

Guidelines Governing Waste-to-Energy (WtE) Facilities for the Integrated Management of Municipal Solid Wastes

- provides the guidelines on the evaluation, establishment, operation and decommissioning of WtE facilities for an integrated management of municipal solid wastes.



Classification of Hazardous Waste

Classification	Waste Code
A. Wastes with cyanide	A101
B. Acid wastes	B201 to B299
C. Alkali wastes	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

M. Miscellaneous Wastes

Classification	Waste Code
Pathological or infectious wastes	M501
Asbestos wastes	M502
Pharmaceuticals and drugs	M503
Pesticides	M504
Persistent Organic Pollutants (POPs)	M505
Waste Electrical and Electronic Equipment (WEEE)	M506
Special Wastes	M507

Lithium-ion batteries and solar panels, whether used or waste, are considered hazardous waste under waste classification WEEE (M506).

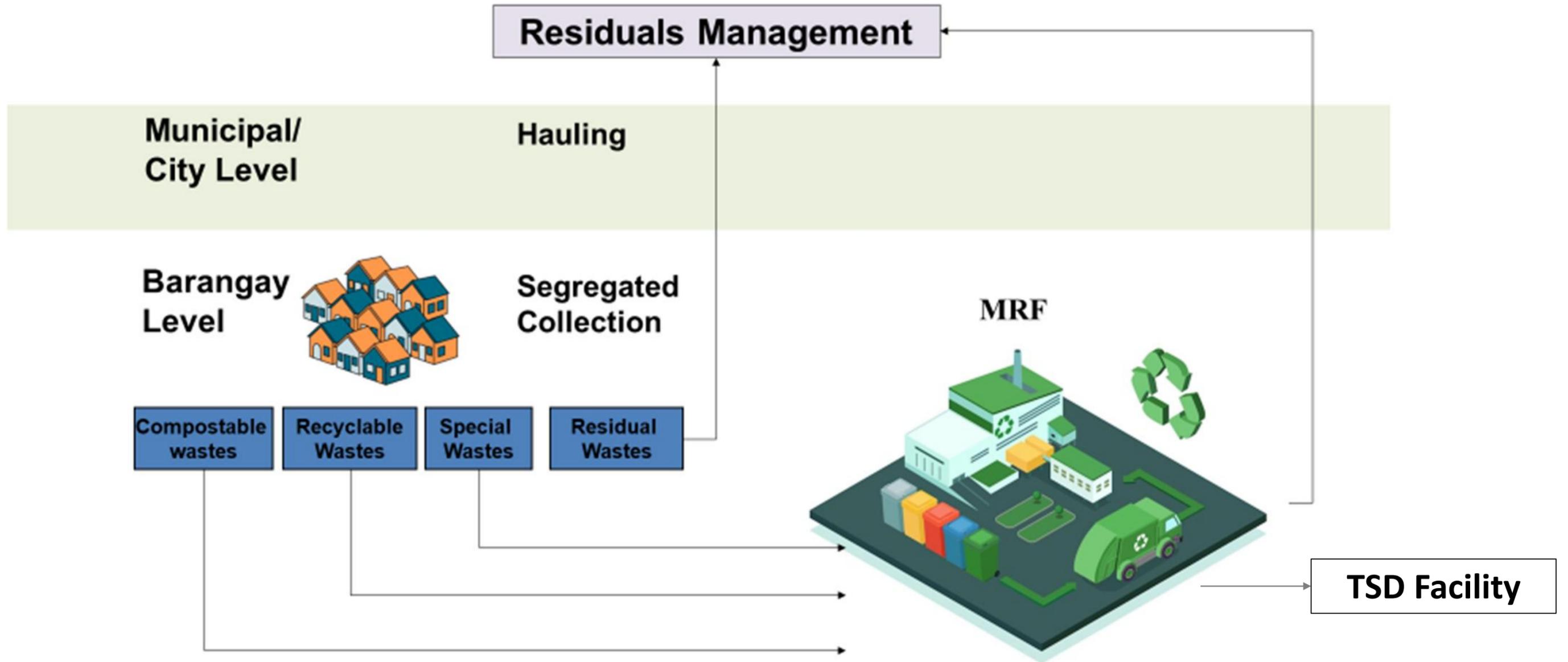
Challenges in the domestic recycling, treatment, and disposal of waste solar panels

- absence of local recycling facilities and limited technical capacity to properly dismantle and process PV modules
- gaps in the regulatory framework (on classification and end-of-life management)
- current infrastructure for safe handling and treatment remains insufficient
- high costs of recycling and logistics
- lack of industry take-back schemes

Challenges in the domestic recycling, treatment, and disposal of waste lithium-ion batteries (WLIB)

- limited infrastructure for collection and recycling
- lack of specialized facilities for safe treatment and disposal
- low public awareness on proper disposal practices
- high cost of environmentally sound recycling technologies
- Weak enforcement and monitoring capacity
- Rapid growth of battery use

Framework for other waste products



Challenges in the domestic recycling, treatment, and disposal of waste textile waste

- limited recycling infrastructure and technology
- lack of specialized facilities for sorting and processing textiles
- competition with cheaper imported secondhand clothes
- insufficient government incentives to promote circular economy practices

Emerging Approaches: Circular economy, upcycling, recycling efforts for textile waste

philstar GLOBAL

FASHION AND BEAUTY

Filipino clothing company teams up with DOST-PTRI to turn fabric scraps to yarn

Dolly Dy-Zulueta - Philstar.com
June 29, 2025 | 4:56pm

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Bayo's Anna Lagon: "Our fashion pieces forge lasting bonds, uniting multi-generations through shared mindful shopping values."

MONDAY, 8 DECEMBER 2025, 4:22:36 PM

QC QUEZONCITY.GOV.PH

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QC Gov't launches Circularity Hub to

October 24, 2025 2401



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