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SENIOR ENVIRONMENTAL MANAGEMENT SPECIALIST

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PCAPI R4A 6th PCO SUMMIT 2022

Environmental Compliance in the New Normal

Policy Highlights

Ecological Solid Waste Management Act (RA 9003)



Juvinia P. Serafin
OIC Chief, Solid Waste Management Division

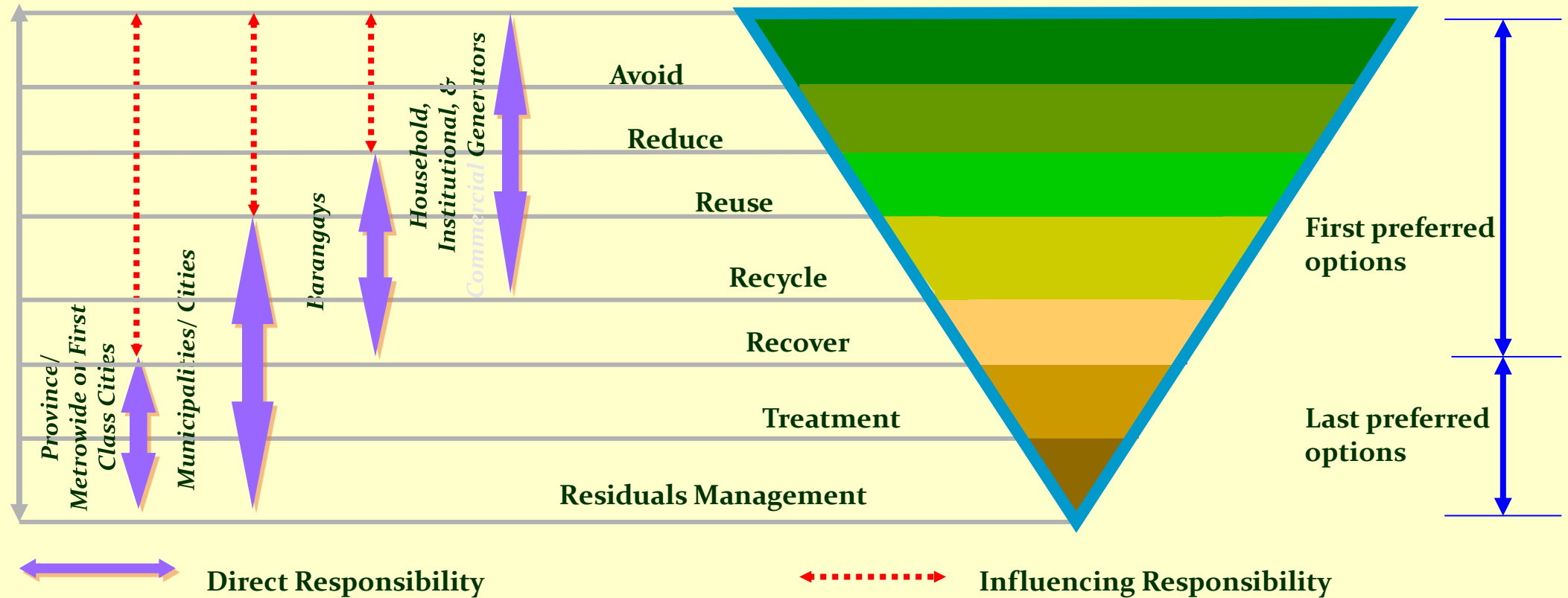
POLICY HIGHLIGHTS

3. RA 9003 (Ecological Solid Waste Management Act)

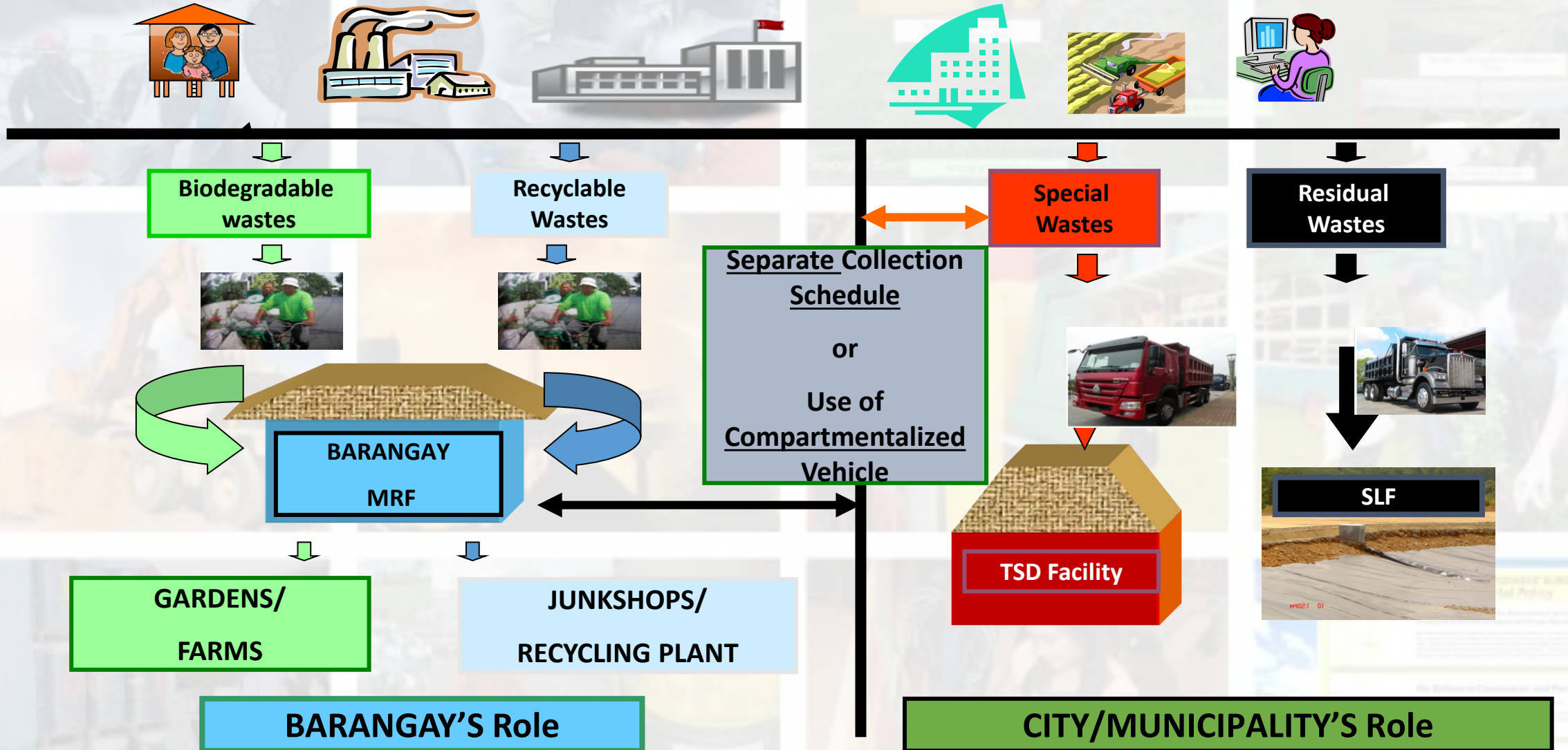
- NSWMC MC on Single-use plastic Banning
- NSWMC MC on Waste Segregation Color Coding Scheme
- RA 11898 (Extended Producer Responsibility Law)
- MRF requirement in PCO COA renewal

Levels of Governance Starting from Households Up to the Province or Metro Wide Level of Political Organization

Partnership enterprises as dictated by policy, economies of scale and in partnership with LGUs



CONCEPTUAL FRAMEWORK OF RA 9003





NSWMC Resolution No.1380, Series of 2020

ADOPTING THE GUIDELINES ON THE WASTE ANALYSIS AND CHARACTERIZATION STUDY AND ITS RELATED MANUAL

WHEREAS, Section 10 of Republic Act 9003 otherwise known as the "Ecological Solid Waste Management Act of 2000, mandates the Local Government Units (LGUs) to be primarily responsible for the implementation and enforcement of the provisions of the Act within their respective jurisdictions;

WHEREAS, Section 16 of the Act requires provinces, cities, and municipalities through their Solid Waste Management Boards (SWMBs) to prepare their respective 10-year Solid Waste Management (SWM) Plans consistent with the National Solid Waste Management Framework and in accordance with the provisions of the Act and the policies set by the National Solid Waste Management Commission (NSWMC);

WHEREAS, Section 17 of the Act also stipulates the components of the Local Solid Waste Management Plans to include Waste Characterization Study (WACS) where the information by volume, percentage in weight or its volumetric equivalent, and material type from the representative of the solid waste generated and disposed of from residential, commercial, industrial and other sources;

WHEREAS, Section 19 of the Act provides that the Department of Environment and Natural Resources (DENR) in coordination with the LGUs, shall be responsible for the establishment of guidelines for the accurate characterization of wastes;

WHEREAS, the Department of Environment and Natural Resources (DENR) acts as the chairman of the National Solid Waste Management Commission (NSWMC) composed of fourteen (14) National Government Agencies (NGAs) and three (3) members from the private sectors;

WHEREAS, NSWMC Resolution No. 85, series of 2014, created a Multi-Agency Sub-Group (MASG) to develop the guidelines on the Waste Analysis and Characterization Study (WACS) and Computation of Waste Diversion;

WHEREAS, the Executive Committee accepted and adopted the guidelines and endorses the same to the En Banc for adoption;

NOW THEREFORE, BE IT RESOLVED AS IT IS RESOLVED, that the Guidelines on Waste Analysis and Characterization Study (WACS) and its Related Manual be adopted.

FURTHER RESOLVED that the prescribed color coding of waste bins/bags according to its classification shall be as follows: Green for Biodegradables, Blue for Recyclables, Red for Household Special Waste and Black for Residual Waste.

The Guidelines on WACS shall serve as the prescribed guide for all government initiated conduct of WACS and shall be the standard and basis of all 10-Year Solid Waste Management Plans submitted to the Commission for approval effective January 2021.

This resolution takes effect upon approval.

APPROVED on this 30th day of September 2020.


BENNY D. ANTIPORDA
Undersecretary for Solid Waste Management and
Local Government Units Concerns
Alternate to the Chairman, NSWMC

Waste No More! Waste No Time!

NSWMC Resolution No. 1380, Series of 2020

FURTHER RESOLVED that the prescribed color coding of waste bins/bags according to its classification shall be as follows: Green for Biodegradables, Blue for Recyclables, Red for Household Special Waste and Black for Residual Waste.



“Environmental Compliance in the New Normal”



MEMORANDUM

TO : ALL EMB REGIONAL DIRECTORS

ATTENTION: CHIEF, SOLID WASTE MANAGEMENT SECTION

FROM : THE DIRECTOR

SUBJECT : DIRECTIVE TO ENFORCE AND MONITOR COMPLIANCE OF LOCAL GOVERNMENT UNITS WITH SECTION 24 OF REPUBLIC ACT NO. 9003 STATING THE "REQUIREMENTS FOR THE TRANSPORT OF SOLID WASTES THAT STATES THE USE OF SEPARATE COLLECTION SCHEDULES AND/OR SEPARATE TRUCKS FOR SPECIFIC TYPES OF WASTES" WITHIN THIRTY (30) DAYS FROM ISSUANCE OF ADVICE AND A MONTHLY BASIS THEREAFTER

DATE : 03 JUNE 2022

In compliance with Section 24 of Republic Act No. 9003, you are hereby directed to assign your Environmental Monitoring Officers (EnMos) to strictly monitor the LGU compliance in the use of separate collection schedules and/or separate trucks or haulers for specific types of wastes.

As such, the EnMos shall be tasked to monitor the following recommendations by this Office to the LGUs relative to this provision:

- To provide a separate truck for the collection of all recyclables such as glass, metals, plastics, waste paper to be delivered to Materials Recovery Facilities, recycling facilities or contracted junkshops;
- To provide truck for the collection of compostable or biodegradable wastes to be transported to composting facilities;
- To provide truck for residual wastes from the residents and other establishments to be hauled out to disposal facilities;
- To provide truck for the collection of household hazardous wastes for proper treatment prior to disposal.
- To provide truck for household infectious wastes or COVID-19 related wastes;
- To provide a compartmentalized truck, whichever is applicable to ensure separate waste collection;
- To implement no collection of unsegregated or mixed solid wastes placed in garbage bags by residents and establishments;
- To observe the following color coding of wastes bags listed below:

- green for biodegradable wastes;
- blue for recyclables;
- black for residuals or non-recyclables;
- red for household hazardous wastes or special wastes; and
- yellow for household infectious/covid-19 wastes

- To apply color coding of the hauling truck per type of solid waste collected as stated above.
- To retain employees and crews that are implementing good solid waste collection/hauling practices;
- To replace employees and crews violating Section 24 of RA 9003;

Furthermore, you are hereby directed to issue the letter of advice to the LGUs within your areas of jurisdiction for them to accomplish the attached daily manifest form (Annex A) and Monthly Consolidation Form (Annex B) on waste collection, hauling and transport to the SWM facilities/treatment facilities.

In addition, provide your LGUs with link/account to the EMB IIS for the submission of the LGUs daily and monthly report. The EnMos will consolidate the LGUs monthly report for the updating of solid waste management regional data on the quantity of waste collected, hauled, and transported to SWM facilities.

All LGUs should submit within 30 days from receipt of the reminder issued by your Office and shall be complied with by the LGUs on a monthly basis thereafter.

Enforce Section 50 of RA 9003 to ensure strict compliance with this provision. As such, local government officials and government agencies who fail to comply with and enforce the rules and regulations promulgated relative to this RA 9003 shall be charged administratively.

For strict compliance.

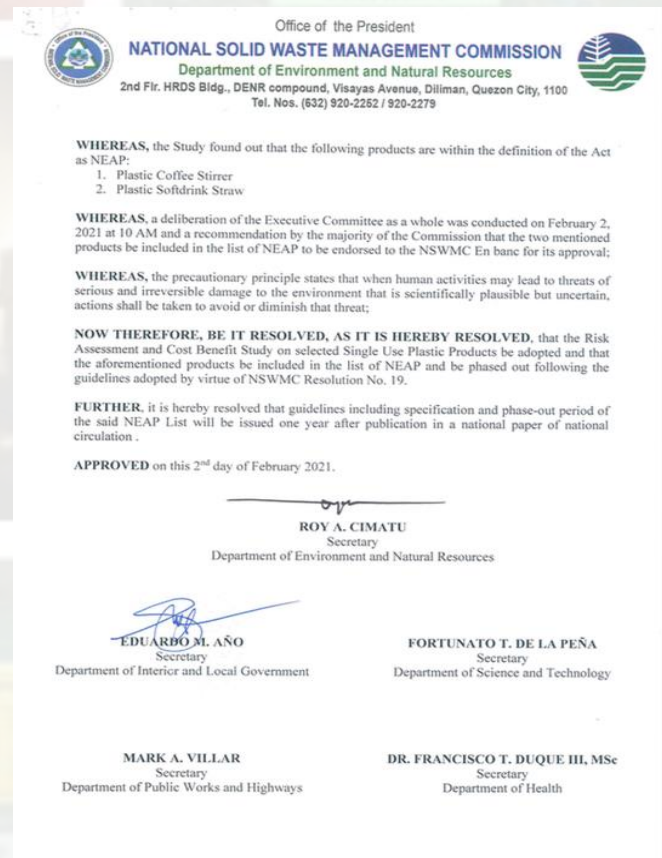
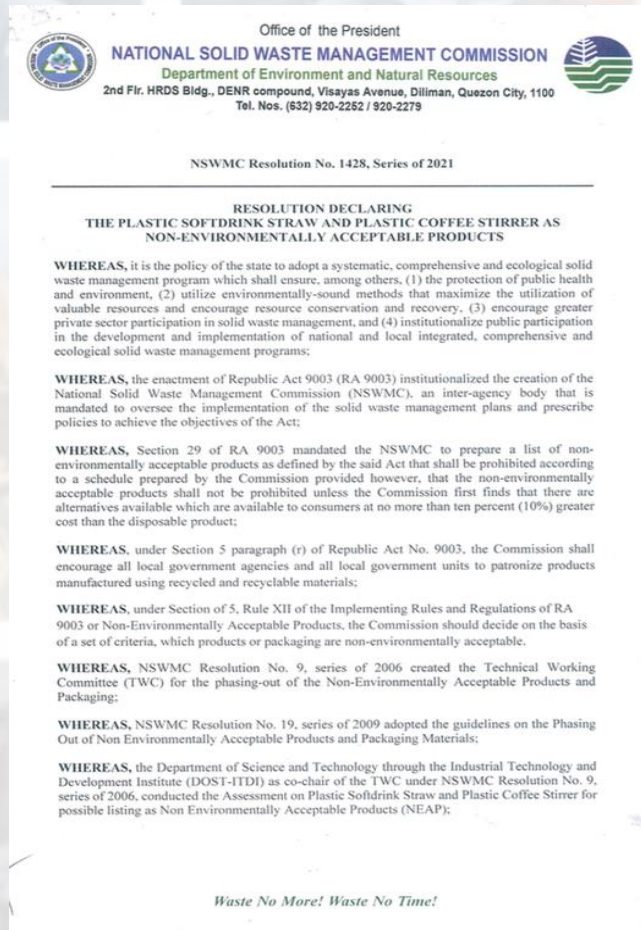
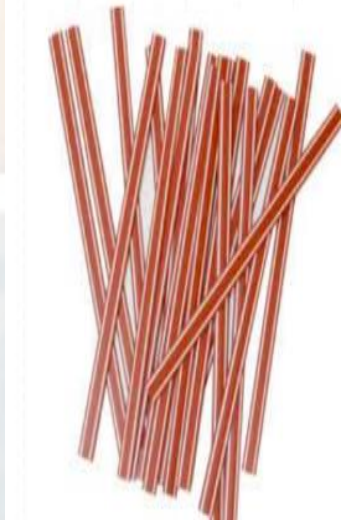
Digitally signed by
 ENGR. WILLIAM P. CUÑADO
 Purgatorio



Strict Implementation and Monitoring of Section 24 – Separate or Compartmentalized Waste Collection

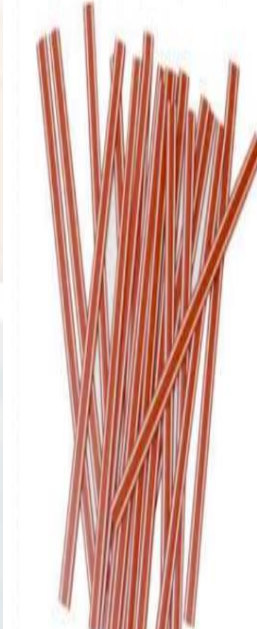


NSWMC Resolution No. 1428, Series of 2021 – Declaring the Plastic Softdrink Straw and Plastic Coffee Stirrer as Non-Environmentally Acceptable Products





NSWMC Resolution No. 1428, Series of 2021



Publication in the Daily Tribune on September 29, 2021



Office of the President

NATIONAL SOLID WASTE MANAGEMENT COMMISSION
Department of Environment and Natural Resources
2nd Flr. HRDS Bldg., DENR compound, Visayas Avenue, Diliman, Quezon City, 1100
Tel. Nos. (632) 920-2262 / 920-2279



NSWMC Resolution No. 1428, Series of 2021

RESOLUTION DECLARING THE PLASTIC SOFTDRINK STRAW AND PLASTIC COFFEE STIRRER AS NON-ENVIRONMENTALLY ACCEPTABLE PRODUCTS

WHEREAS, it is the policy of the state to adopt a systematic, comprehensive and ecological solid waste management program which shall ensure, among others, (1) the protection of public health and environment, (2) utilize environmentally-sound methods that maximize the utilization of valuable resources and encourage resource conservation and recovery, (3) encourage greater private sector participation in solid waste management, and (4) institutionalize public participation in the development and implementation of national and local integrated, comprehensive and ecological solid waste management programs;

WHEREAS, the enactment of Republic Act 9003 (RA 9003) institutionalized the creation of the National Solid Waste Management Commission (NSWMC), an inter-agency body that is mandated to oversee the implementation of the solid waste management plans and prescribe policies to achieve the objectives of the Act;

WHEREAS, Section 29 of RA 9003 mandated the NSWMC to prepare a list of non-environmentally acceptable products as defined by the said Act that shall be prohibited according to a schedule prepared by the Commission provided however, that the non-environmentally acceptable products shall not be prohibited unless the Commission first finds that there are alternatives available which are available to consumers at no more than ten percent (10%) greater cost than the disposable product;

WHEREAS, the Study found out that the following products are within the definition of the Act as NEAP:

1. Plastic Coffee Stirrer
2. Plastic Softdrink Straw

WHEREAS, a deliberation of the Executive Committee as a whole was conducted on February 2, 2021 at 10 AM and a recommendation by the majority of the Commission that the two mentioned products be included in the list of NEAP to be endorsed to the NSWMC En banc for its approval;

WHEREAS, the precautionary principle states that when human activities may lead to threats of serious and irreversible damage to the environment that is scientifically plausible but uncertain, actions shall be taken to avoid or diminish that threat;

NOW THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED, that the Risk Assessment and Cost Benefit Study on selected Single Use Plastic Products be adopted and that the aforementioned products be included in the list of NEAP and be phased out following the guidelines adopted by virtue of NSWMC Resolution No. 19.

FURTHER, it is hereby resolved that guidelines including specification and phase-out period of the said NEAP List will be issued one year after publication in a national paper of national circulation.

APPROVED on this 2nd day of February 2021.

ROY A. CIMATU
Secretary

Department of Environment and Natural Resources
and

SOLID WASTE MANAGEMENT

❑ Non-Environmentally Acceptable Products and Packaging Materials (NEAP)

- ❑ The first set of NEAP to be identified by the NSWMC include the plastic softdrink straw and plastic coffee stirrer, based on the study conducted by the Department of Science and Technology – Industrial Technology Development Institute (DOST-ITDI);
- ❑ This was adopted by nine (9) members of the Commission including: the DENR, DILG, DTI, DA, MMDA, League of Cities of the Philippines, TESDA, PIA and the Non-Government Organizations
- ❑ Public Consultations were done on the following dates:

Schedule	Regional Stakeholders involved	Mode
April 28 2022	NCR, CAR, I and II	Hybrid (MS Teams)
May 12, 2022	III, CALABAZON, MIMAROPA, V	Hybrid (MS Teams)
May 26, 2022	VI, VII, VIII	Virtual (MS Teams)
June 8, 2022	IX, X, XI, XII, CARAGA	Virtual (MS Teams)
June 28, 2022	Industry Sector	Face to face



SOLID WASTE MANAGEMENT

☐ Conduct of Life-Cycle Assessment on Single-Use Plastics for Possible Non-Environmentally Acceptable Products and Packaging Materials (NEAP)

☐ NSWMC Resolution No. 1363, Series of 2020 banned the following single-use plastics in government offices:

- ☐ Plastic cups (lower than 0.2 mm in thickness;
- ☐ Plastic drinking straw
- ☐ Plastic coffee stirrers
- ☐ Plastic spoons
- ☐ Plastic forks
- ☐ Plastic knives; and
- ☐ Plastic labo and thin filmed sando bags (lower than 15 microns)

☐ The DOST-ITDI as a member of the NSWMC, is currently conducting the LCA for the plastic spoons, forks, knives and the plastic labo. Once any of these is identified as NEAP and adopted by the Commission, another set of public consultation for the phase-out of these products will be conducted.



Extended Producer Responsibility Act of 2022

S. No. 2425
H. No. 10696

Republic of the Philippines
Congress of the Philippines
Metro Manila

Eighteenth Congress

Third Regular Session

Begun and held in Metro Manila, on Monday, the twenty-sixth
day of July, two thousand twenty-one.

[REPUBLIC ACT NO. 11898]

AN ACT INSTITUTIONALIZING THE EXTENDED
PRODUCER RESPONSIBILITY ON PLASTIC
PACKAGING WASTE, AMENDING FOR THIS PURPOSE
REPUBLIC ACT NO. 9003, OTHERWISE KNOWN AS
THE "ECOLOGICAL SOLID WASTE MANAGEMENT
ACT OF 2000"

Approved:

JUL 23 2022
Lapsed into law on
without the signature of the Presi
dent, in accordance with Article VI,
Section 27 (1) of the Constitution

RODRIGO ROA DUTERTE
President of the Philippines



NSWMC Membership under the Extended Producer Act of 2022

Government Sector

1. Department of Environment and Natural Resources (DENR);
2. Department of the Interior and Local Government (DILG);
3. Department of Science and Technology (DOST);
4. Department of Health (DOH);
5. Department of Trade and Industry (DTI);
6. Department of Agriculture (DA);
7. Metro Manila Development Authority (MMDA)
8. Union of Local Authorities of the Philippines

Non-Government Sector

- Three (3) representatives from Non-Government Organizations (NGOs with a track record on solid waste management or waste reduction, recycling and resource recovery;
- A representative from the recycling, composting, or resource recovery and processing industry; and
- A representative from the manufacturing industry, packaging industry, or obliged enterprises

Extended Producer Act of 2022

OBLIGED ENTERPRISES

- Obligated enterprises shall refer to product producers that are required to implement an EPR program under this Act (Section 3. Definition of Terms);
- Product producers obliged to implement ERP under this Article shall refer to large enterprises that generate plastic packaging waste

Extended Producer Act of 2022

Compliance Period for Plastic Packaging Recovery Programs

The following targets for the recovery of plastic product footprint generated during the immediately preceding year are hereby set:

“December 31, 2023 – twenty percent (20%);

“December 31, 2024 – forty percent (40%);

“December 31, 2025 – fifty percent (50%);

“December 31, 2026 – sixty percent (60%);

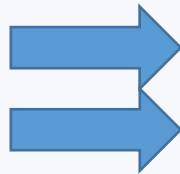
“December 31, 2027 – seventy percent (70%) and

“December 31, 2028 and every year thereafter – eighty percent (80%)

POLICY HIGHLIGHTS

3. RA 9003 (Ecological Solid Waste Management Act)

- NSWMC MC on Single-use plastic Banning
- NSWMC MC on Waste Segregation Color Coding Scheme
- RA 11898 (Extended Producer Responsibility Law)
- MRF requirement in PCO COA renewal



No provision in RA 9003 re: PCO COA renewal

Materials Recovery with proper recording in all projects is highly encouraged to support the waste diversion activities of the host LGU



NSWMC Resolution 1452, Series of 2021

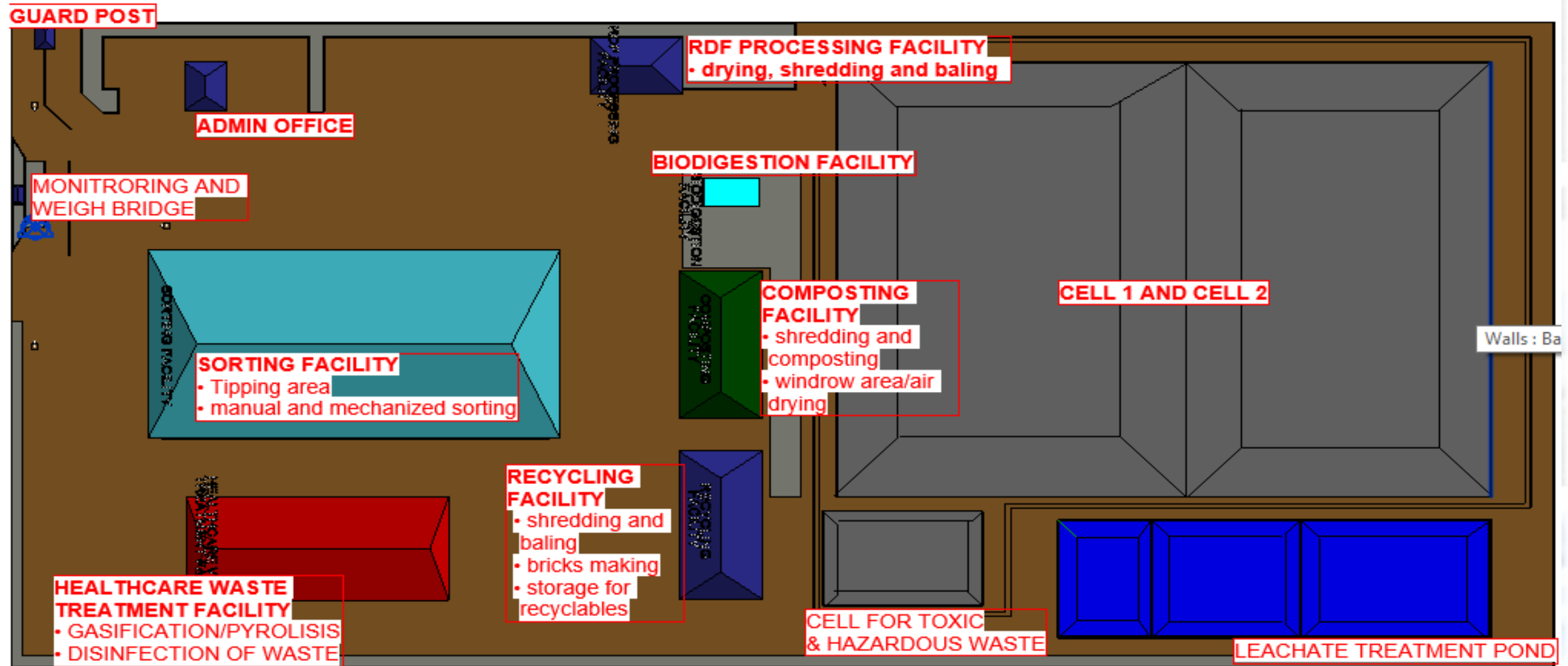
NSWMC Resolution No. 1452, Series of 2021
Approved on August 31, 2021

Adopting the Total Solid Waste Management Solution to Optimize Waste Recovery and Utilization in the Sanitary Landfills prior to Disposal

TSWMS aims to ensure optimum utilization of solid wastes that enters the SLF by integrating processes and technologies for the management of biodegradable wastes, recyclable wastes and residuals with potential with diversion and for the treatment of special waste or household hazardous waste prior to disposal....

The concept of the TSWMS must be integrated in the design and operation of proposed sanitary landfill projects in consideration of the LGUs' waste diversion and disposal targets.

Conceptual Design of a TSWMS



Total Solid Waste Management Solution Model per NSWMC Resolution No. 1452, Series of 2021





Thank you!

Solid Waste Management Division

Environmental Management Bureau

Department of Environment and Natural Resources

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