Jeju Plus International Environment Forum 2022



Updates on Solid Waste Management Implementation in the Philippines



LEVELS OF GOVERNANCE STARTING FROM HOUSEHOLDS UP TO THE PROVINCE OR METRO WIDE LEVEL OF POLITICAL ORGANIZATION



CONCEPTUAL FRAMEWORK OF RA 9003





Institutional Mechanism

Chair, National Solid Waste Management Commission

DENR

NSWMC Members Vice Chair: Private Sector

- 1. DILG
- 2. DOST
- 3. DPWH
- 4. DOH
- 5. DTI
- 6. DA
- 7. MMDA
- 8. League of Provincial Governors
- 9. League of City Mayors

- 10. League of Municipal Mayors11. Association of barangay councils12. TESDA
- 13. PIA
- 14. Manufacturing/Packaging
- 15. Recycling Industry *current Vice Chairman*
- 16. Non-Government Organization

Environmental Management Bureau

- Provides Secretariat support to the Commission
- EMB Director Heads the National Ecology Center under the Commission
- EMB Regional Directors Head the Regional Ecology Centers



FY 2022 Thrusts and Priorities

Technical Assistance to LGUs in the Review and Approval of Ten Year Solid Waste Management Plans

Total No. of LGUs (Provinces, Cities and Municipalities)

1,592

* As of June 2022

Total LGUs with
*Approved SWM
PlansTotal LGUs with SWM
Plans *Currently
Reviewed for
Subsequent Endorsem
ent to the NSWMC
ExeCom1,131461



FY 2022 Thrusts and Priorities

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



FY 2022 Thrusts and Priorities

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 singleuse 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 thank 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.



FY 2022 Thrusts and Priorities

Support to the Implementation of the National Plan of Action for the Prevention, Reduction and Management of Marine Litter (NPOA-ML)

- The NPOA-ML was adopted by the National Solid Waste Management Commission through Resolution No. Resolution no. 1441 in 2021. It was also adopted by the DENR through DENR Memorandum Circular no. 2021-10.
- The NPOA-ML has a vision of "A Philippines free of marine litter through shared responsibility, accountability, and participatory governance" and an overarching goal of "zero waste to Philippine waters by 2040"

National Plan of Action for the Prevention, Reduction and Management of Marine Litter





The overarching goal of the NPOA-ML is **"zero waste to Philippine** waters by 2040"

to support the vision of

"a Philippines free of marine litter through shared responsibility, accountability, and participatory governance."



FY 2022 Thrusts and Priorities

Support to the Implementation of the National Plan of Action for the Prevention, Reduction and Management of Marine Litter (NPOA-ML)



Conduct of Regional NPOA-ML Launch in the 16 Regions and Inter-Agency Coordination among the Cluster Lead Agencies

FY 2022 Thrusts and Priorities

3 Support to the Implementation of the National Plan of Action for the Prevention, Reduction and Management of Marine Litter (NPOA-ML)



FY 2022 Thrusts and Priorities

Support to the Implementation of the National Plan of Action for the Prevention, Reduction and Management of Marine Litter (NPOA-ML)



March 22, 2022 at 10:59 N 14,475344°, E 120.994206° Metro Manila,Parañaque City,San Dionisio





Note: The installation of the stand rack/support depends upon the sit condition. Provision of counterweight shall be provided if necessary for additional stability to the manually operated waste lifter. The stand rack/support shall be designed for dismantling and movable purposes.

4. Plastic Boa





Site Assessment on the Installation of Trash Traps to LGUs in NCR and Region III

FY 2022 Thrusts and Priorities

3 Support to LGUs in the Management of Biodegradable Wastes



Provision of Biowaste Shredders, Composter and Biogas Digesters for the Management of Biodegradable Wastes

FY 2022 Thrusts and Priorities

3 Support to LGUs in the Site Assessment of Proposed Sanitary Landfills for Waste



FY 2022 Thrusts and Priorities

Support to LGUs in the Site Assessment of Proposed Sanitary Landfills



FY 2022 Thrusts and Priorities

Development of a Feasibility Study for the Establishment of Sanitary Landfill for Use of LGU-Cluster



FY 2022 Thrusts and Priorities

Support to LGUs in the Design of Sanitary Landfills

OPERATIONAL FACILITIES

CELL 1

• Cell 1 Area: 2,000 sq.m

• Designed Volume Capacity: 12,000 cu.m

• Volume of Soil Cover to be Applied: 1,800 cu.m







FY 2022 Thrusts and Priorities

Support to LGUs in the Design of Sanitary Landfills

SANITARY LANBFILL FACILITY (CATEGORY III) PERSPECTIVES



Figure 01. Aerial Perspective of a Category III SLF, highlighting the Emplacement Cell, Leachate Treatment Facility, and Total Solid Waste Management Facilities.



FY 2022 Thrusts and Priorities

Solid Waste Enforcement and Education Program (SWEEP)



Unclean site monitored

FY 2022 Thrusts and Priorities

Solid Waste Enforcement and Education Program



FY 2022 Thrusts and Priorities

Solid Waste Enforcement and Education Program



The before and after photo of the unclean areas monitored by SWEET-ENMO



Two months Monitoring and clean up of solid waste debris due to typhoon Odette in coordination with Cebu City river troopers



The map view of the unclean (red dot) and clean (green dot) monitored sites of SWEET-ENMOs

FY 2022 Thrusts and Priorities

Online Submission of SWEET-EnMo Reports

SWEET-ENMO REPORTS			Table Filter dd/mm/yyyy	From	To dd/mm/yyyy	Date Range	♥ MA	P VIEW	
Signed Reports	LGU Report Summary Casehandler Report Summary All Reports Unclean Reports > 3 months								
Show 50 ¢ entries								Search:	
ţ†	IIS No. $\uparrow\downarrow$	Casehandler 1	Type of Report $\uparrow\downarrow$	Date Created $\uparrow\downarrow$	Subject	†↓	Date Patrolled	11 LGU Patr	Status ↑↓
History 🔹	R1-2022-013951	Mark Chris O. Orine	Unclean	Jul 19, 2022	1. Orine - Month of July	- Regular Monitoring	Jul 15, 2022 - 08:24 an	MUNICIP/	Signed Document
📔 🔒 History 🎈	R1-2022-013953	Mark Chris O. Orine	Unclean	Jul 19, 2022	2. Orine - Month of July	- Regular Monitoring	Jul 15, 2022 - 08:24 an	MUNICIP	Signed Document
History	R1-2022-013495	Neil Arvin L. Recaido	Clean	Jul 18, 2022	1. Recaido - Month of J	uly - Validation of Action	Jul 15, 2022 - 09:30 an	LGU, SAN	Signed Document
History	R1-2022-013498	Neil Arvin L. Recaido	Clean	Jul 18, 2022	2. Recaido - Month of J	uly - Validation of Action	Jul 15, 2022 - 09:50 an	LGU, SAN	Signed Document
📔 🔒 History 🔍	R1-2022-013853	Jollie Joy G. Orfiano	Unclean	Jul 18, 2022	10. Orfiano - Month of J	une - Regular Monitoring	Jun 20, 2022 - 08:52 ai	m LGU, BAN	Signed Document
📔 🔒 History 🔍	R1-2022-013791	Arnel R. Josue	Unclean	Jul 16, 2022	1. Josue - Month of July	- Regular Monitoring	Jul 13, 2022 - 07:13 an	LGU VINT	Signed Document
📔 🔒 History 🔍	R1-2022-013792	Arnel R. Josue	Unclean	Jul 16, 2022	2. Josue - Month of July	- Regular Monitoring	Jul 13, 2022 - 07:27 an	LGU VINT	Signed Document
📔 🔒 History 🎈	R1-2022-013793	Arnel R. Josue	Unclean	Jul 16, 2022	3. Josue - Month of July	- Regular Monitoring	Jul 13, 2022 - 09:21 an	LGU VINT	Signed Document
B History 🔍	R1-2022-013290	Philip Matthew R. Licop	Clean	Jul 16, 2022	1. Licop - Month of July	- Validation of Action	Jul 14, 2022 - 09:29 an	MUNICIP/	Signed Document
History	R1-2022-013291	Philip Matthew R. Licop	Clean	Jul 16, 2022	2. Licop - Month of July	- Validation of Action	Jul 14, 2022 - 09:47 an	MUNICIP/	Signed Document



FY 2022 Thrusts and Priorities

Solid Waste Enforcement and Education Program



FY 2022 Thrusts and Priorities







FY 2022 Thrusts and Priorities

Illegal Dumpsites

 <u>100%</u> of illegal dumpsites in the country were closed through the marching order of the DENR Secretary in 2021.

Sanitary Landfill

✓ A total of <u>273 SLFs</u> operational nationwide.



FY 2022 Thrusts and Priorities

Materials Recovery Facility (CY 2015-2021)

Materials Recovery Facility (MRF)

 A total of <u>11,738 MRFs</u> established servicing <u>16,817 barangays</u> nationwide.





FY 2022 Thrusts and Priorities

Policies Undergoing Consultation

- Guidelines for Best Available Techniques & Best Environmental Practice for WtE Facilities (DAO)
- Technical Standards of WtE Facility on Appropriately Controlled Combustion (JAO)
- Policy Review and draft amendment for certain provisions of RA 9003
- Clustering of SLF
- Amendment of Siting Criteria for SLF
- Guidelines on the Total SWM Solution
- Policy on the Importation of Recovered Paper







We believe to Cooperation and Partnership

the Balance in Lands who fard samples



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

- Obliged 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%)







Thank you!



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