



PHILIPPINE TECHNOLOGICAL COUNCIL

# Philippine Environmental Regulations

Philippine Technological Council



# The DENR

- The Department of Environment and Natural Resources is the executive department of the Philippine government responsible for governing and supervising the exploration, development, utilization, and conservation of the country's natural resources.
- It is mandated to address issues on environment in the country



# D.A.O.

- DENR Administrative Order
- Issued by the Department of Environment and Natural Resources to serve as guide in implementing procedures related to environmental concerns



# D.A.O. 2016-07

- DENR Manual of Authorities on Technical Matters
- This Manual shall define the limits of authority at various levels of management from the Secretary to the lowest levels of supervision. All other authorities not included in this Manual remain with the Secretary unless otherwise delegated.

# D.A.O. 2016-07

## MANUAL OF AUTHORITIES

SUBJECT: LICENSES, PATENTS AND DEEDS		
Forestry Related (Forest Product Processing)		
ACTIVITY	LIMITS OF AUTHORITY	APPROVING AUTHORITY
I. Issuance of Related Permits on Wood Processing Plant, such as: <ul style="list-style-type: none"><li>- Poles and Piles</li><li>- Lumber</li><li>- Veneer</li><li>- Plywood</li><li>- Block board</li><li>- Wood cement board</li><li>- Paper Board</li><li>- Pulp and Paper</li><li>- Wood Chips</li><li>- Wood Pellets</li><li>- Mini-Sawmill</li><li>- Kiln Dryer</li><li>- <u>Resaw</u></li></ul>	Authority to install/establish and operate new WPP provided that there is 5- year supply contract based on annual rated capacity <ul style="list-style-type: none"><li>- Original/Expansion</li><li>- Renewal</li></ul>	USEC for Field Operations USEC for Field Operations
	Milling Agreement	Regional Director
	Log Supply Contract	Regional Director
	Lumber Dealer Permit	Regional Director
	Transfer of location of WPP <ul style="list-style-type: none"><li>- From one region to another region</li></ul>	USEC for Field Operations




# D.A.O. 2016-08

- Water Quality Guidelines and General Effluent Standards of 2016
- Provides guidelines for the classification of water bodies in the country; determination of time trends and the evaluation of stages of deterioration/enhancement in water quality; evaluation of the need for taking actions in preventing, controlling, or abating water pollution



# D.A.O. 2016-08

- Sets the General Effluent Standards (GES)
  - Designates the Water Quality Management Area (WQMA)
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# D.A.O. 2016-08

**Table 1. Water Body Classification and Usage of Freshwater**

<b>Classification</b>	<b>Intended Beneficial Use</b>
Class AA	Public Water Supply Class I – Intended primarily for waters having watersheds, which are uninhabited and/or otherwise declared as protected areas, and which require only approved disinfection to meet the latest PNSDW
Class A	Public Water Supply Class II – Intended as sources of water supply requiring conventional treatment (coagulation, sedimentation, filtration and disinfection) to meet the latest PNSDW
Class B	Recreational Water Class I – Intended for primary contact recreation (bathing, swimming, etc.)
Class C	<ol style="list-style-type: none"><li>1. Fishery Water for the propagation and growth of fish and other aquatic resources</li><li>2. Recreational Water Class II – For boating, fishing, or similar activities</li><li>3. For agriculture, irrigation, and livestock watering</li></ol>
Class D	Navigable waters

Note: For unclassified water bodies, classification shall be based on the beneficial use as determined by the Environmental Management Bureau (EMB).



# D.A.O. 2016-08

**Table 9. Effluent Standards<sup>(g)</sup>**

Parameter	Unit	Water Body Classification								
		AA	A	B	C	D	SA	SB	SC	SD
Ammonia as NH <sub>3</sub> -N	mg/L	NDA	0.5	0.5	0.5	7.5	NDA	0.5	0.5	7.5
BOD	mg/L	NDA	20	30	50	120	NDA	30	100	150
Boron	mg/L	NDA	2	2	3	12	NDA	2	20	80
Chloride	mg/L	NDA	350	350	450	500	NDA	n/a	n/a	n/a
COD	mg/L	NDA	60	60	100	200	NDA	60	200	300
Color	TCU	NDA	100	100	150	300	NDA	100	150	300
Cyanide as Free Cyanide	mg/L	NDA	0.14	0.14	0.2	0.4	NDA	0.04	0.2	0.4
Fluoride	mg/L	NDA	2	2	2	4	NDA	3	3	6
Nitrate as NO <sub>3</sub> -N	mg/L	NDA	14	14	14	30	NDA	20	20	30
pH (Range)		NDA	6.0-9.0	6.0-9.0	6.0-9.5	5.5-9.5	NDA	6.5-9.0	6.0-9.0	5.5-9.5
Phosphate	mg/L	NDA	1	1	1	10	NDA	1	1	10
Selenium	mg/L	NDA	0.02	0.02	0.04	0.08	NDA	0.02	0.2	0.4
Sulfate	mg/L	NDA	500	500	550	1,000	NDA	500	550	1,000
Surfactants (MBAS)	mg/L	NDA	2	3	15	30	NDA	3	15	30
Temperature <sup>(h)</sup>	°C change	NDA	3	3	3	3	NDA	3	3	3
Total Suspended Solids	mg/L	NDA	70	85	100	150	NDA	70	100	150
Arsenic	mg/L	NDA	0.02	0.02	0.04	0.08	NDA	0.02	0.04	0.08
Barium	mg/L	NDA	1.5	1.5	6	8	NDA	1.5	2	8
Cadmium	mg/L	NDA	0.006	0.006	0.01	0.02	NDA	0.006	0.01	0.02
Chromium as Hexavalent Chromium (Cr <sup>6+</sup> )	mg/L	NDA	0.02	0.02	0.02	0.04	NDA	0.1	0.1	0.2

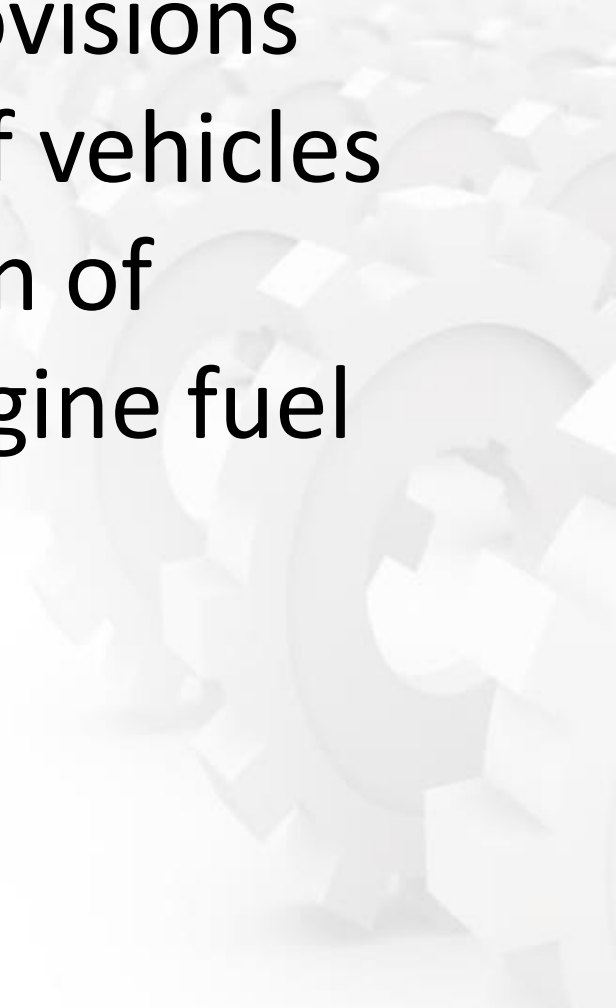


## D.A.O. 2016-23

- Adoption of Euro 4 Emission Limits/ Standards
- This requires all new vehicles equipped with Euro 4 engines to comply with UNR 83-05B and 49-04



# D.A.O. 2016-23

- UNR 83-05B – Uniform Provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements
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## D.A.O. 2016-26

- Guidelines for the Implementation of the Coastal and Marine Ecosystem Management Program (CMEMP)
- Aims to comprehensively manage, address and effectively reduce the drivers and threats of degradation of the coastal and marine ecosystems.

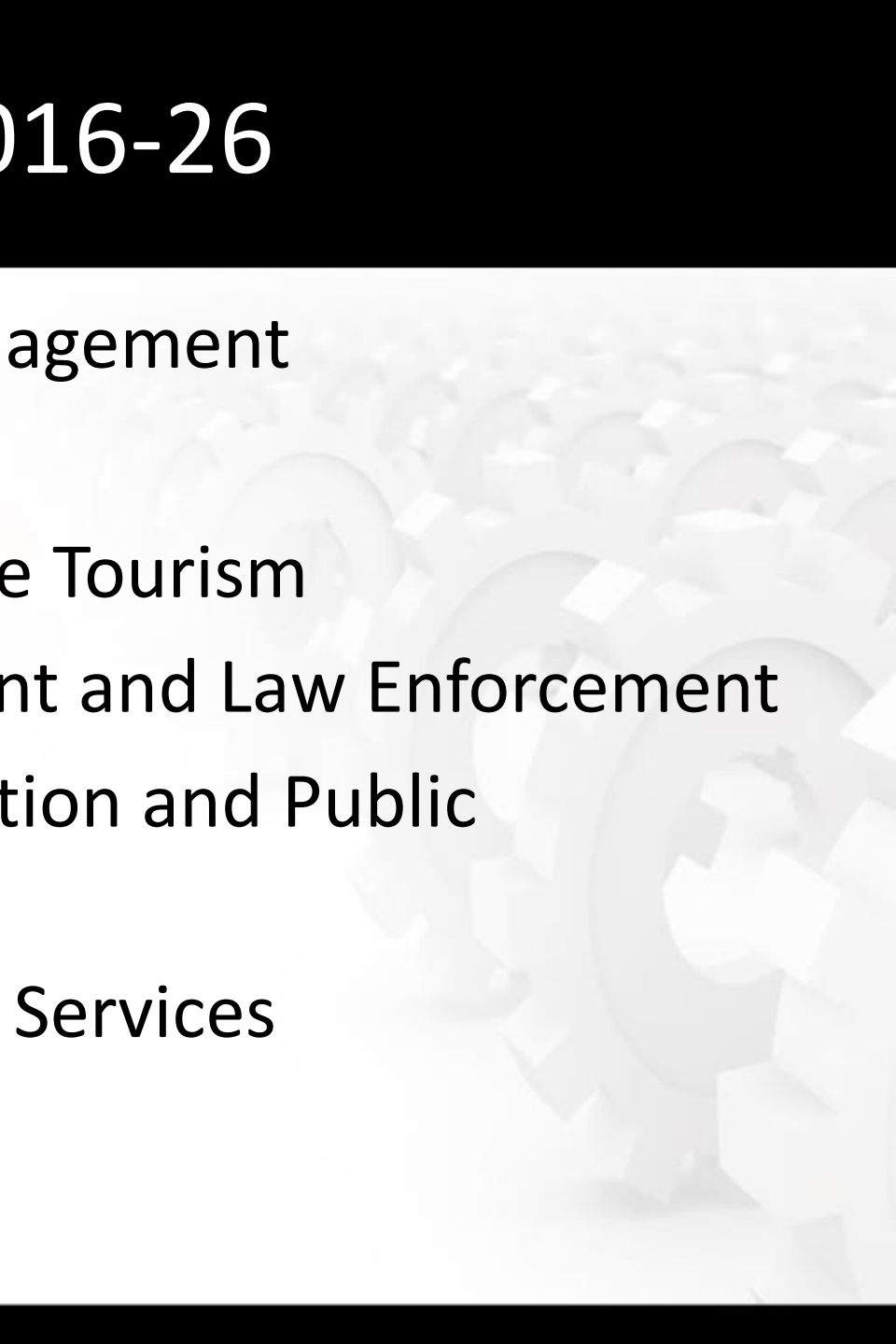


## D.A.O. 2016-26

- Aims to achieve and promote sustainability of ecosystem services, food security and climate change resiliency for the benefit of present and future generations
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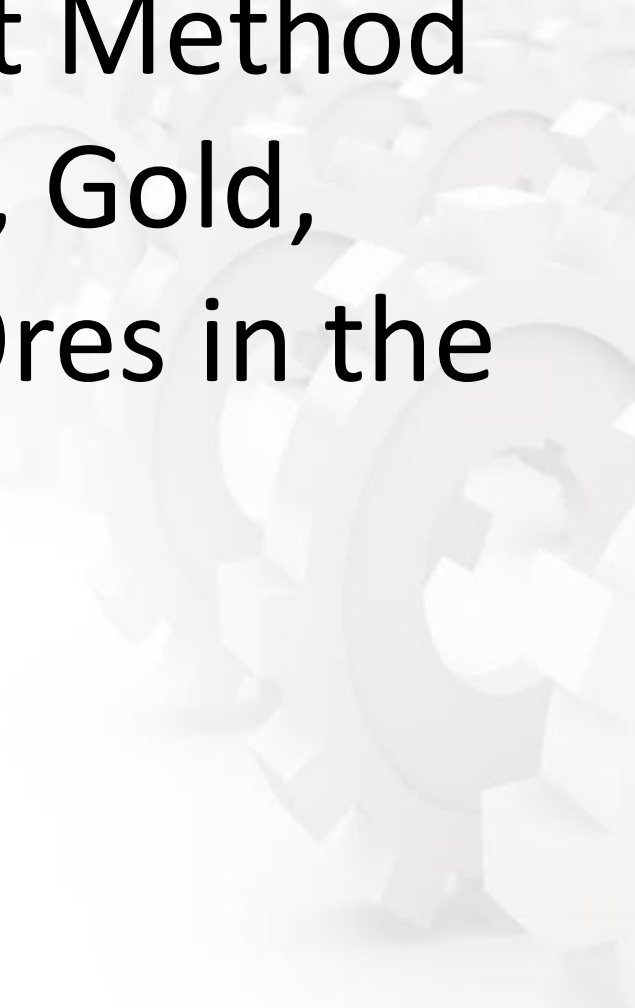



# D.A.O. 2016-26

- Integrated Coastal Management
  - Partnership Building
  - Ecotourism/ Sustainable Tourism
  - Protection, Management and Law Enforcement
  - Communication, Education and Public Awareness
  - Valuation of Ecosystem Services
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## D.A.O. 2017-10


- Banning the Open-pit Method of Mining for Copper, Gold, Silver and Complex Ores in the country
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# Environmental Compliance Certificate (ECC)

- Issued by DENR after a positive review of an ECC Application
- This certifies that a proposed project or undertaking will not cause significant negative impact on the environment.
- The project proponent has to comply with the requirements of the Environmental Impact Statement System and has committed to implement approved Environmental Management Plan





# Environmental Compliance Certificate (ECC)

- Discharge Permit
- Permit to Operate
- Hazardous and Toxic Waste Generator Registration
- Daytime Ambient Noise Level Monitoring



# DENR Website

- <https://www.denr.gov.ph>

