

[**DENR MEMORANDUM ORDER NO. 08, July 04, 1991**]

PRESCRIBING THE GUIDELINES IN THE IMPLEMENTATION OF DENR ADMINISTRATIVE ORDER NO. 24, SERIES OF 1991

Pursuant to the provisions of DAO 24, series of 1991 shifting logging from old growth (virgin) forests to second growth (residual) forests beginning 1 January 1992, the following are hereby issued for the information and guidance of all concerned:

1. **Definition of Terms** - For the purpose of this Order, the following term shall mean as follows:

1.1 **Production Forests** — Forestlands outside the areas specified in item 3.1 hereof, with less than 50% slope gradient and less than 1000 m in elevation; consisting mainly of second growth (residual) forests, including patches of reforested areas, brushlands and/or openlands therein.

1.2 **Non-Production Forests** — Forestlands enumerated in item 3.1 hereof; blocks of old growth (virgin) forests; patches of old growth forests with an area of at least 20 ha within second growth forests; second growth forests with slope gradient of 50% and greater and with elevations of 1000 meters and higher and those along the 20 m wide strip on both sides of stream banks.

1.3 **Operable Second Growth (Residual) Forests** — Second growth forests within areas less than 50% slope and less than 1000 meters elevation specified under the Production Forest category.

2. *Creation of Committees, Secretariat and Composite Inventory Teams*

2.1 The Pre-Inventory Evaluation Committee (PIEC), Monitoring and Evaluation Committee (MEC), Inventory Secretariat (IS) and Composite Forest Inventory Teams (CFITs) shall be created by the DENR Central Office under a Special Order to be issued by the Secretary.

2.2 The PIEC shall be composed of representatives from the Office of USECs for Policy and Field Operations, FMB, NCR and PWPA. The Committee shall determine and recommend to the Secretary the TLAs/TPSAs that shall be evaluated/inventoried based from the information that shall be submitted by the DENR Regional Executive Director (RED) and from records with the FMB.

2.3 The Monitoring and Evaluation Committee (MEC) shall be composed of supervisors from FMB, DENR Central Office, NAMRIA and Region 4. The MEC shall monitor and check the progress and accuracy of

the forest resources inventory, as well as, evaluate the reports that shall be submitted by the CFITs.

2.4 The Composite Forest Inventory Teams (CFITs) shall be composed of foresters from FMB, NAMRIA, DENR field offices and other forestry graduates with knowledge of Forest Mensuration & Inventory and Remote Sensing Techniques. The CFITs shall undertake the field sampling in accordance with the sampling design prescribed in this Order.

2.5 The Inventory Secretariat (IS) shall be composed of Forest Inventory Specialists, Cartographers, Geodetic Engineers and Computer programmers/operators of FMB and NAMRIA. The IS shall assist the PIEC, MEC and CFITs in the preparation/evaluation of the soil cover maps and analysis of inventory reports.

3. *Delimitation of Non-production Forest*

3.1 Areas proclaimed as Civil Military and Watershed Reservations; Wilderness Area; Areas identified with historical value, ISF areas with valid Stewardship Certificate; areas under Industrial Tree Plantation (IIP) and Tree Farm Leases; and such other areas proclaimed for ecological, environmental and scientific purposes, shall be delimited on the official concession map (FCI) of the TLAs/TPSAs. These areas shall form part of the non-production forests relative to this Order.

4. *Management Blocks* - The second growth forests shall be stratified/blocked depending upon the years elapsed after logging (YEAL). The management blocks shall be as follows:

Block No.	YEAR
I	- 26 years and over
II	- 21-25 years
III	- 16-20 years
IV	- 11-15 years
V	- 6-10 years
VI	- 1-5 years

4.1 The management blocks shall be determined by the REDs and TLA/TPSA holders, including the location of the non-production forests enumerated in item 3.1 hereof. This information shall be indicated on a white print copy of the concession map to be submitted to the USEC for Field Operations.

5. *Preliminary Soil Cover Map(PSCM)*

5.1 The soil cover within the different management blocks shall be determined from the forest resources condition maps prepared in 1969 and 1985 by the FMB. Likewise, the slope gradient of 50% and greater and elevations of 1000 meters and higher within the blocks categorized in item 4 hereof shall be determined from the 1:50 000 topographic map and indicated on the concession maps. The second

growth forest areas with less than 50% slope and less than 1000 meters in elevation shall form part of the operable second growth forests.

5.2 The extent (hectarage) of the land resources within the production forests of each management block (stated in item 4) i. e. residual forests, forest plantations, brushlands and openlands, shall be measured and tabulated.

5.3 The soil cover of the TLAs/TPSAs for the whole area and by block shall be updated, as soon as, new FRCMs are prepared by the DENR pursuant to DAO 69 as amended by DAO 88, both series of 1990 re-submission of aerial photographs/satellite data are done TLA/TPSA holders.

6. *Pre-inventory Evaluation*

6.1 All existing TLAs/TPSAs shall be pre-evaluated before the forest resources inventory is undertaken.

6.2 The basis of determining whether the forest resources inventory within the production forest of TLAs/TPSAs shall be conducted or not, is the existence of at least ONE THOUSAND TWO HUNDRED (1200) hectares of operable second growth forests in each management block. The 1,200 hectares shall be logged for a period of five (5) years or an annual cutting area of TWO HUNDRED FORTY (240) hectares which is determined to be the minimum area whereby a TLA/TPSA holder can economically and sustainably develop and utilize the forest resources within their concession area.

6.3 If a TLA/TPSA does not have 1,200 hectares operable second growth forest, particularly under Management Block 1, such TLA/TPSA shall not be allowed to conduct logging operations beginning 01 January 1992.

6.4 The PIEC shall evaluate the extent of the operable second growth forests of TLAs/TPSAs, specifically those within Management Block I. The Committee shall submit to the USECs for Field Operations and Policy the results of the evaluation.

7. *Sampling Methods/Procedures*

7.1 Strip sampling at 10% intensity shall be applied in the forest resources inventory of the operable second growth forests within each management block. The areas under Block I (areas logged 26 years and over) shall be inventoried first. If the areas under Block I are not contiguous, number the sub-blocks accordingly, e.g. Blk. I-1, Blk. I-2, Blk. I-3, etc.

7.1.1 The baseline (s) shall be established following the general directions of main river/stream in the block or sub-block, so