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Briefer

Presidential Decree No. 1435, DA MC 3 s. 2019 and DA MC 33 s. 2020

For PD 1435 Website

The Presidential Decree (P.D.) No. 1435 was signed on 10 June 1978, which authorizes the Bureau of Soils and Water Management to supervise, regulate, and control the establishment and operations of all soil laboratories in the Philippines. The Decree was signed by President Ferdinand Marcos and became one of the most important laws during his presidency.

The Implementing Rules and Regulations (IRR) of the PD 1435 was updated; also known as the Department of Agriculture (DA) Department Circular (DC) No. 3 s. 2019. Likewise, the BSWM spearheaded the implementation of DA Memorandum Circular (MC) No. 33 s. 2020 or the Guidelines for the Issuance of License to Operate Soil Laboratory (LTO-SL). The LTO-SL served as an instrument for the BSWM to assess the Manpower, Physical Layout, Equipment and Apparatus, Test Methods, Quality Control / Quality Assurance, Laboratory Procedures aspects of the Soil Laboratories in the Philippines.

For the effective implementation of the PD 1435 Section 4 of DC 3 s. 2019 also authorizes BSWM to organize the following sections: a) Technical Equipment, Instrumentation, and Calibration Section b) Regulatory Section c) Laboratory Management Information Section d) Quality Assurance Section.

The table below summarizes the accomplishments of the sections of PD 1435:

Responsibilities, Accomplishments, and Workplan of the four (4) Functional Section of PD 1435 As of March 2024

PD 1435 Sections	Responsibilities	Summary of Accomplishments (2019 - 2023)	Workplan
Regulatory Section	Responsible for the implementation of DA DC No. 03 s. 2019 and DA MC 33 s. 2020	<ol style="list-style-type: none"> Assessment and Monitoring of Soil Laboratories as per DA MC 33 s. 2020 <ul style="list-style-type: none"> Online assessment of 37 Applicant SL (2021-2022) Monitoring of 18 Licensed SL (2023) Technical Assistance for 10 institutions on the Establishment of Soil Laboratories 	<p>Assessment of 30 Applicant Soil Laboratories and 20 Licensed Soil Laboratories</p> <p>Technical assistance and conduct of orientation seminar for 10 institutions for the establishment of Soil Laboratories</p>
Quality Assurance Section	Monitoring and improvement of technical competency of the Laboratory Services Division (LSD), DA Regional Soil	<ol style="list-style-type: none"> Fifteen (15) major training activities conducted 2019-2023; with up to 5000 participants (Soil Laboratory personnel and from other institutions). Proficiency Testing Facilitation – Program to assess and monitor 	<p>Eight Capacity Building Programs for 2024.</p> <p>Administer Proficiency Testing of Asian Soil Laboratory Network Members (200</p>

	Laboratories (DA RSLs) and all other Soil Laboratories (SLs) in the Philippines.	<p>competence of Soil Laboratories through analysis of a Soil Sample.</p> <ul style="list-style-type: none"> • 20 Laboratory Participants to PT provided in collaboration with FFTC-TARI from 2019-2021. • Conduct of 1st Phil NASOLAN Proficiency Testing Program, with 28 Laboratory Participants. 	Laboratories) & 2024 Phil NASOLAN Proficiency Testing Scheme
Technical Equipment and Instrument Calibration Section	Effective maintenance and efficient upkeep laboratory equipment expanded to provide calibration services	<ol style="list-style-type: none"> 1. 114 (RSLs) and 168 (BSWM and NSWRRDC) State of the Art Equipment – 2021. 2. On-going provision of 14 State of the Art Equipment to 4 State Universities and Colleges - 2023 3. Procurement of Equipment and Standard Methods for Calibration Room. 4. Establishment of Ani at Kita Customer Center in BSWM; 5. One (1) mobile soil laboratory ongoing procurement. 	Operationalization of Calibration Room and 17 Mobile Soil Laboratories
Laboratory Management Information System Section	Establish the right framework to facilitate and maintain the technological throughput of Laboratory data	<ol style="list-style-type: none"> 1. BSWM Pilot Laboratory for LMIS and National Soil Test Databank Establishment 2. Establishment of the parent website (cloud based) for the conduct of the Proficiency Testing Scheme 3. Development of PD 1435 Parent Website to digitalize online transactions from the soil laboratories 	Expansion of LMIS system to cover 16 Regional Soil Laboratories
Other Activities under PD 1435		<p>Harmonization of SOPs:</p> <ol style="list-style-type: none"> 1) Publication of GLOSOLAN SOPs <ul style="list-style-type: none"> • Soil Organic Carbon (2019) • Soil Electrical Conductivity (2021) • Soil Available Phosphorus – Olsen (2021) • Soil Available Phosphorus – Bray I & II (2021) • Soil Bulk Density (2023) • Soil respiration (2023) 	<p>Harmonization of Method for the ff GLOSOLAN SOPs:</p> <p>Soil Microbiology:</p> <ul style="list-style-type: none"> • Microbial Enzymatic Activity <p>Soil physics</p> <ul style="list-style-type: none"> • Particle size analysis. <p>Soil chem</p> <ul style="list-style-type: none"> • Cation Exchange Capacity
Establishment and Maintenance of the Philippine National Soil Laboratory Network (Phil NASOLAN)		<p>Phil NASOLAN Established September 2019, with annual general assembly conducted:</p> <ul style="list-style-type: none"> • 1st GA last November 9-10, 2020 • 2nd GA last December 22, 2021 • 3rd GA last December 28, 2022 • 4th GA last November 20-22, 2023 	Conduct of routinary meeting of Phil NASOLAN Members and execution of developed workplan.