



Republic of the Philippines
OFFICE OF THE SECRETARY
Elliptical Road, Diliman
1100 Quezon City

ADMINISTRATIVE ORDER

No. 02
Series of 2023

SUBJECT : REVISED GUIDELINES ON ENFORCING THE EXISTING PHILIPPINE AGRICULTURAL AND BIOSYSTEMS ENGINEERING STANDARDS AS INTEGRAL PARTS IN THE DESIGN, CONSTRUCTION, REPAIR AND MAINTENANCE OF AGRICULTURAL BUILDINGS AND FACILITIES

WHEREAS, DA Administrative Orders No. 10, Series of 2002, No. 6 and 11 series of 2003, No. 6 series of 2004, No. 5, series of 2005, No. 6, series of 2006, No. 28, series of 2009, No. 8, series of 2011 and No. 12, series of 2011 adopted the Philippine Agricultural Engineering Standards (PAES) Volume I, II, III, IV, V, VI, VII and VIII respectively, and require all concerned agencies, corporations and Regional Field Units to comply with these standards.

WHEREAS, DA Department Circular No. 15, Series of 2020, Department Circular No. 07, series of 2021, Supplemental Guidelines to DA DC No. 15, Series of 2020, and DA Department Circular No. 06, Series of 2022, aim to provide a National List of PNS/PABES and its mechanism to be utilized by the DA Regional Field Offices, Attached Bureaus and Agencies, Local Government Units (LGUs), State Universities and Colleges (SUCs), Manufacturers, Fabricators, Assemblers, Distributors, Dealers, Importers (MFADDIEs) National Government Agencies (NGAs) and private stakeholders, and to serve as a reference in the enforcement of Technical regulations of DA-BAFE.

WHEREAS, the Philippine Agricultural Engineering Standards (PAES) Volume I, II, III, IV, V, VI, VII, VIII, IX, X, and XI covers standards on twenty-six (26) agricultural buildings, and facilities used for the production, processing, and marketing of agricultural products and by-products.

WHEREAS, efficiently designed and well-functioning agricultural buildings and facilities that conform to the Philippine Agricultural Engineering Standards are vital and necessary requirements in the production, processing, and marketing of agricultural and fishery products, and in the implementation of the Agriculture and Fisheries Modernization Act of 1997;

WHEREAS, the Board of Agricultural Engineering (BOAE), now the Professional Regulatory Board of Agricultural and Biosystems Engineering (PRBABE) of the Professional Regulations Commission through its Resolution No. 5, series of 2002; No. 1 and 2, series of 2003; No. 1, series of 2005; No. 2, series of 2006; No. 01, series of 2009; and No. 2, series of 2012 adopted the Philippine Agricultural Engineering Standards (PAES) Volume I, II, III, IV, V, VI, VII and VIII as the Code of Technical Standards of

Agricultural Engineering which shall serve as technical reference by all duly registered agricultural and biosystems engineers in the signing and sealing of plans, designs, specifications, and other documents. For agricultural buildings, machineries, and other agricultural facilities pursuant to Section 36 of RA No. 10915 (Philippine Agricultural and Biosystems Engineering Act of 2016);

WHEREAS, Section 36 of RA No. 10915 is had transformed the existing Philippine Agricultural Engineering Standards (PAES) into a Philippine Agricultural and Biosystems Engineering Standards (PABES)

WHEREAS, Section 4(d) of RA No. 10915 defines *Agricultural and Biosystems Buildings and Structures* as buildings and structures for the production, harvesting, processing, storage, manufacture, preserving, transporting and distribution of agricultural and biological products/materials and includes, but is not limited to, silos and its components, agricultural and biosystems machinery and equipment sheds, farm houses, green/screen houses, poultry houses, piggery houses, slaughterhouses, farm-to-market roads, farm bridges, agricultural and biological products storage/warehouse, buildings and structures for poultry, livestock, fishery, and forestry production and processing, kiln drying and lumber treatment structure, farm equipment, farm supplies, and other structures such as self-feeders, and soil and water conservation structures:

WHEREAS, Section 701 (a10) of Presidential Decree No. 1096 otherwise known as National Building Code of the Philippines covers agricultural buildings as one of its scope of applications, whereby, the Philippine Agricultural Engineering Standards need to be integrated in the implementation of the said code;

WHEREAS, pursuant to Title IV, Chapter 1, Section 3 (2) of the Administrative Code of 1987, the Department of Agriculture is responsible for the planning, formulation and execution, regulation and monitoring of programs and activities relating to agriculture, food production and supply;

WHEREAS, the DA issued Administrative Order (AO) No. 6, series of 2004, "Enforcing the Philippine Agricultural Engineering Standards as integral parts in the design, construction, repair and maintenance of agricultural buildings and facilities.

WHEREAS, in view of the above developments and new laws enacted, the DA AO No. 6, series of 2004 need to be amended and updated.

NOW THEREFORE, in view of the above, the existing Philippine Agricultural and Biosystems Engineering Standards are hereby applied and enforced as integral parts in the designs, construction and maintenance of agricultural buildings and facilities, and for this purpose, the following measures and directives are hereby issued:

SECTION 1: Coverage – The following Philippine Agricultural and Biosystems Engineering Standards (PABES) adopted through DA Department Circular No. 07, series of 2021 shall be enforced in the design, construction, repair and maintenance agricultural and fishery buildings and facilities:

No.	PNS /PAES/PABES NO.	TITLE
1	PAES 401:2001	Housing for Swine Production
2	PAES 402:2001	Housing for Broiler Production
3	PAES 403:2001	Housing for Layer Production
4	PAES 404:2001	Housing for Goats and Sheep
5	PAES 405:2001	Cattle Feedlot
6	PAES 406:2001	Cattle Ranch
7	PAES 407:2001	Housing for Dairy Cattle
8	PAES 408:2001	Carabao Feedlot
9	PAES 409:2002	Milking Parlor
10	PAES 412:2002	Poultry Dressing Plant
11	PAES 413-2001	Biogas Plant
12	PAES 414-1:2002	Waste Management Structures-Part 2: Agricultural Liquid Waste
13	PAES 414-2:2002	Waste Management Structures-Part 2: Agricultural Solid Waste- Composting
14	PAES 415:2001	Greenhouse
15	PAES 416:2002	Tissue Culture Laboratory
16	PAES 417:2002	Fruit and Vegetable Storage
17	PAES 418:2002	Processing Plant for Fresh fruit and Vegetable
18	PNS/PAES 419:2015	Warehouse for Bagged Storage of Grains
19	PAES 420-2002	Farm Workshop and Machinery Shed
20	PAES 422-1:2012	Poultry Dressing/Slaughtering Plant (Part 1-Small Scale)
21	PAES 422-2:2012	Poultry Dressing/Slaughtering Plant (Part 2-Large Scale)
22	PNS/BAFS PABES 270:2019	Silo
23	PNS/BAFS PABES 305:2020	Slaughterhouse - Swine
24	PNS/BAFS PABES 306:2020	Slaughterhouse - Ruminants
25	PNS/BAFS PABES 308:2020	Lairage-Swine
26	PNS/BAFS 309:2021	Lairage-Ruminants

The above standards shall be updated by the Bureau of Agriculture and Fisheries Standards (BAFS) in collaboration with BAFE and other relevant agencies. The standards of other types of agricultural buildings and facilities shall also be enforced following its adoption by this Department.

Section 2. Enforcement Mechanism- The enforcement of the Philippine Agricultural and Biosystems Engineering Standards on agricultural and fishery buildings and facilities shall be carried out by this Department through its concerned bureaus, attached agencies and regional field units. The Bureau of Agricultural and Fisheries Engineering (BAFE), pursuant to its mandates under Section 24 of RA No. 10601, shall serve as the National Enforcement Coordinating Office, and shall be assisted by the Regional Agricultural Engineering Division of DA-RFOs.

Section 3. Standard Compliance Certificate- The BAFE, in consultation with concerned DA Bureaus and Attached Agencies and RFOs, shall develop the procedures and mechanism for the issuance of Standards Compliance Certificate (SCC) to concerned individuals or groups who shall construct, repair or operate agricultural buildings and

facilities. As basis for evaluation towards the issuance of the Standards Compliance Certificate, concerned individuals and groups shall submit 2 sets of plans, designs, specifications and other technical documents duly signed and sealed by a registered agricultural and biosystems engineer/s.

Section 4. PAES Enforcement in the issuance of building permits and certificate of occupancy of the National Building Code- Pursuant to the implementation of Section 21 of RA No. 10601 (Agricultural and Fishery Mechanization Law), the BAFE and RAEDs shall undertake compliance monitoring on the enforcement of PABES in the issuance of building permits and certificate of occupancy of agricultural and fishery buildings and structures. The BAFE shall likewise coordinate with DPWH and DILG on the implementation of Section 21 of RA No. 10601.

Section 5. DA Clearance in the Application of Building Permits- Pursuant to Section 302 (12b), Rule III (Permits and Application) of the Revised Implementing Rules and Regulations of the National Building Code, the compliance of PABES shall be the basis on the issuance of DA clearance on the application of permits for agricultural and fisheries buildings and structures.

Section 6. Role of the DA Regional Agricultural Engineering Divisions- The Regional Agricultural Engineering Divisions (RAED) of the DA Regional Field Units shall serve as the enforcement arm of this Department on the Philippine Agricultural and Biosystems Engineering Standards of agricultural and fishery buildings and facilities. The RAED in the performance of its functions shall provide technical assistance and support of the Office of the Provincial, City, and Municipal Agricultural and Biosystems Engineers of LGUs.

Section 7. Repealing Clause- All DA Administrative Orders, Special Orders, and other issuances inconsistent with this Administrative Order are hereby repealed and/or modified accordingly.

Section 8. Effectivity- This Order shall take effect immediately.

Done this 15th of February 2023.

DOMINGO E. PANGANIBAN
Senior Undersecretary



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DA REGIONAL OFFICE
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