



Republic of the Philippines
House of Representatives

Quezon City, Metro Manila

Nineteenth Congress
First Regular Session

HOUSE BILL NO. 6010



Introduced by Representative Jefferson F. Khonghum

**AN ACT PROVIDING FOR A MORE RESPONSIVE AND COMPREHENSIVE
REGULATION FOR THE LICENSING, REGISTRATION, CERTIFICATION AND
PRACTICE OF ENVIRONMENTAL AND SANITARY ENGINEERS,
ENVIRONMENTAL AND SANITARY ENGINEERING TECHNOLOGISTS
AND ENVIRONMENTAL AND SANITARY ENGINEERING TECHNICIANS
IN THE PHILIPPINES, AMENDING FOR THE PURPOSE REPUBLIC ACT NO.
1364, OTHERWISE KNOWN AS THE "SANITARY ENGINEERING LAW"**

EXPLANATORY NOTE

Environmental protection is paramount in preservation and continuance of life. However, the decades of abuse of our ecosystem by unrestrained waste disposal, industrialization and modernization had resulted to destructive impact of climate change and its subsequent related disasters. The scope and complexities of pollution had increased and the need for environmental preservation and protection has to be broadened to safeguard public wellbeing. It has then become necessary to re-assess the existing Sanitary Engineering Law in order to recommend and adopt measures to carry out more efficient pollution abatement techniques, realigning other engineering professionals into environmental and sanitary engineering field, and enable them to be more effective in dealing with today's worsening environmental and public health problems.

CHED Memo Circular No. 35 series of 2009 realized the need to revise the Sanitary Engineering Curriculum to prepare graduates in the following fields of practice: (1) Air Pollution and its Control; (2) Domestic and Industrial Wastes Collection, Treatment and Disposal; (3) Sanitary Science as Applied to Buildings; (4) Public Health Engineering; (5) Sewerage (Storm and Sanitary) Systems; (6) Soil Pollution and its Control; (7) Solid Waste Management; (8) Water Pollution and its Control; (9) Water Supply and Waterworks Systems; and (10) Environmental Engineering Works.

Furthermore, in the said CMO 35 series of 2009, the different fields of specialization in Sanitary Engineering were enumerated, to wit; (1) Environmental Engineering; (2) Environmental Management; (3) Public Health Engineering; (4) Sanitary Science as Applied to Buildings; (5) Solid Waste Management; (6) Wastewater Engineering; and (7) Water Supply Engineering.

With the rise in demand for engineers that can review, evaluate and approve plans relevant to environmental and sanitary engineering works in local government units (LGUs), national government agencies and instrumentalities, including government owned and controlled corporations (GOCCs) as well as in industries, private establishments, firms, corporations and institutions, it has become crucial to address the increase in the professional population of environmental and sanitary engineers by integrating engineers who practice under environmental and sanitary engineering and align for career progression in the field of practice to provide more effective and efficient public service.

It is in this context that the practitioners of environmental and sanitary engineering professional engineers, technologists, and technicians must have a **CAREER PROGRESSION** in environmental and sanitary engineering field to gear the professionals towards **SPECIALIZATIONS**.

Hence, the approval of this measure is earnestly requested.



HON. JEFFERSON T. KHONGHUN
1st District of Zambales

1 AN ACT PROVIDING FOR A MORE RESPONSIVE AND COMPREHENSIVE
2 REGULATION FOR THE LICENSING, REGISTRATION, CERTIFICATION
3 AND PRACTICE OF ENVIRONMENTAL AND SANITARY ENGINEERS,
4 ENVIRONMENTAL AND SANITARY ENGINEERING TECHNOLOGISTS
5 AND ENVIRONMENTAL AND SANITARY ENGINEERING TECHNICIANS
6 IN THE PHILIPPINES, AMENDING FOR THE PURPOSE REPUBLIC ACT
7 NO. 1364, OTHERWISE KNOWN AS THE "SANITARY ENGINEERING
8 LAW"
9

10 *Be it enacted by the House of Representatives of the Philippines in Congress*
11 *assembled:*
12

13 ARTICLE I
14 TITLE AND DEFINITION OF TERMS
15

16 **Section 1. Title.** This Act shall be known as the "*Environmental and Sanitary*
17 *Engineering Act of 2022*".
18

19 **Section 2. Statement of Policy.** The State recognizes the importance of
20 environmental and sanitary engineers, environmental and sanitary
21 engineering technologists, and environmental and sanitary engineering
22 technicians in nation building and development. Thus, it is the duty of the
23 state to develop and nurture competent, virtuous, productive and well-
24 rounded environmental and sanitary engineers, environmental and sanitary
25 engineering technologists, and environmental and sanitary engineering
26 technicians whose standards of professional practice and service shall be
27 excellent, world-class and globally competitive through regulatory measures,
28 programs and activities.
29

30 **Section 3. Objectives.** This Act shall govern, but not be limited to, the
31 following:
32

- 33 a. The examination, registration, licensure and certification of
34 environmental and sanitary engineers, environmental and sanitary

1 engineering technologists and environmental and sanitary engineering
2 technicians;

3
4 b. The regulation, supervision, and control of the practice of
5 environmental and sanitary engineers, environmental and sanitary
6 engineering technologists, and environmental and sanitary engineering
7 technicians;

8
9 c. The development, upgrading, and updating of the curriculum of
10 environmental and sanitary engineers, environmental and sanitary
11 engineering technologists, and environmental and sanitary engineering
12 technicians' professions in conformity with the approval of the
13 Commission on Higher Education (CHED);

14
15 d. The development and improvement of the professional competence and
16 career progression in the practice of environmental and sanitary
17 engineers, environmental and sanitary engineering technologists, and
18 environmental and sanitary engineering technicians through, among
19 others, continuing professional development (CPD);

20
21 e. The integration of the existing environmental and sanitary engineers,
22 sanitary inspectors and pollution control officers professions; and

23
24 f. The creation of relevant positions for environmental and sanitary
25 engineers, environmental and sanitary engineering technologists and
26 environmental and sanitary engineering technicians and such other
27 positions which require the knowledge and services of environmental
28 and sanitary engineering practitioners in all levels of local government
29 units, relevant national government agencies and instrumentalities,
30 including government owned and controlled corporations (GOCCs) as
31 well as in industries, private establishments, firms, corporations and
32 institutions.

33
34 **Section 4. Definition of Terms.** As used in this Act, the following terms shall
35 mean;

- a. AIPO – Accredited Integrated Professional Organization.
- b. Allied Baccalaureate Degree – a Bachelor's Degree relative to directly support the practice of an Environmental and Sanitary Engineer in the field of specializations under this Act.
- c. Allied Engineering – Civil Engineering and/or Chemical Engineering.
- d. Board – Professional Regulatory Board of Sanitary Engineering.
- e. BSEnSE – Bachelor of Science in Environmental and Sanitary Engineering.
- f. BSSE – Bachelor of Science in Sanitary Engineering.
- g. Chairperson – Chairperson of the Professional Regulatory Board for Environmental and Sanitary Engineering.
- h. CHED – Commission on Higher Education.
- i. Commission – Professional Regulation Commission.
- j. Commissioner – Chairperson of the Professional Regulation Commission.
- k. CPD – Continuing Professional Development.
- l. DOH – Department of Health.
- m. Environmental and Sanitary Engineer – a person duly registered with the Board for Environmental and Sanitary Engineering in the manner provided in this Act.

- 1 n. Environmental and Sanitary Engineering Technologist – a person duly
2 registered with the Board for Environmental and Sanitary Engineering
3 in the manner provided in this Act.
4
- 5 o. Environmental and Sanitary Engineering Technician – a person duly
6 registered with the Board for Environmental and Sanitary Engineering
7 in the manner provided in this Act.
8
- 9 p. Environmental Engineering – encompasses the application and
10 management of science and engineering principles to protect the
11 environment and avoid its degradation, which includes the air, water,
12 and land resources; to provide safe water, air, and land for human
13 habitation and for other organisms and, if needed, to rehabilitate
14 polluted sites; solid waste management, environmental impact
15 assessment, environmental risk assessment and management,
16 atmospheric pollution abatement; noise pollution abatement;
17 conservation and protection of water resources; classification of water;
18 and management of toxic and hazardous substances and radiological
19 pollution. The ultimate goal of environmental engineering is the
20 protection of human populations from the effects of adverse
21 environmental factors and the protection of environments, both local
22 and global, from potentially deleterious effects of natural and human
23 activities such as Climate Change Adaptation, Disaster Mitigation,
24 Disaster Risk Management and Disaster Risk Reduction as related to
25 Environmental and Sanitary Engineering;
26
- 27 q. Environmental Engineering Management – refers to an entire spectrum
28 of activities including, but not limited, to environmental impact
29 assessment (EIA), water quality management, ambient air quality
30 management, climate change adaptation and mitigation, disaster risk
31 reduction and management, and other programs and strategies to
32 maintain safe and healthy environment and protect public health;

- 1 r. Environmental Health – a branch of public health that encompasses
2 the assessment and control of environmental factors that can
3 potentially affect human health.
4
- 5 s. HEI – higher education institutions
6
- 7 t. OBO – Office of the Building Official
8
- 9 u. Pollution Control Officer – inspects and investigates sources of pollution
10 to protect the public and environment and ensure conformance with
11 regulations and ordinances.
12
- 13 v. Public Health Engineering – covers the control of all factors in man's
14 physical environment that adversely affect human life, health and
15 safety. It focuses on the identification and prevention of transmission
16 of diseases through the control of physical aspects of the environment
17 including food, water, air, refuse, soil, insects, rodents, vermin and all
18 other vectors and also the control of domestic and personal hygiene
19 practices. Specific activities includes sanitation of establishments,
20 institutions and public places; vector control; industrial hygiene;
21 occupational health and safety engineering; health care engineering; life
22 safety engineering; nuisance abatement; healthful lighting and
23 ventilation; emergency water supply and sanitation; environmental
24 health impact assessment; disposal of dead persons; swimming pool
25 system; water supply and distribution system design and management
26 both potable water and used water and inclusive of those in
27 buildings/structures; food sanitation; and other engineering services
28 related to the protection of public health and welfare; It also includes
29 the application of scientific and engineering concepts and principles to
30 the examine indoor and outdoor environmental quality and condition
31 to identify, monitor, evaluate and eliminate or control of hazards that
32 expose people, environment or property to danger.
33
- 34 w. RA 1364 – the Sanitary Engineering Law

- 1 x. Sanitary Engineer – a person duly registered with the Board for Sanitary
2 Engineering as provided in R.A. 1364.
3
- 4 y. Sanitary Inspector – the present title of a Sanitarian, a person currently
5 employed with the local government units whose work is to inspect
6 public places and establishments to ensure that they are complying
7 with sanitation standards.
8
- 9 z. Sanitary Utilities in Buildings – refers to the water supply and
10 distribution system, sanitary drainage system, wastewater recycling
11 and reuse, storm drainage system and wastewater treatment facility as
12 well as fire protection in buildings where hydraulic and engineering
13 principles are applied.
14
- 15 aa. Specialist – shall mean a registered Environmental and Sanitary
16 Engineer who is certified by the accredited integrated professional
17 organization of PRC on Environmental and Sanitary Engineering to
18 have demonstrated his advanced knowledge, skills and experience, in a
19 recognized specialization of Environmental and Sanitary Engineering,
20 and who is the recipient of a certificate of specialization set forth in this
21 Act.
22
- 23 bb. Wastewater Engineering – where basic principles of science and
24 engineering are applied to the problems of water pollution control. It
25 covers wastewater characterization, analysis and determination of
26 water waste flow rates and constituent loadings, as well as primary,
27 secondary and tertiary or advanced treatment processes, and design,
28 wastewater treatment plant residuals management, and other issues
29 related to wastewater treatment plant performance and wastewater
30 disposal. It covers sewage collection, treatment and disposal; sewerage
31 and storm drainage systems; sludge and septage management systems;
32 sanitation safety planning; wastewater reuse and recycling systems.
33

cc. Water Supply Engineering – concerned with the scientific principles and analysis pertaining to quality of water supply systems for municipal waterworks as well as water re-use applications; water quality criteria and standards and their relation to public health, environmental and urban water cycle; water quality concepts and their effect on treatment process selection; operation and maintenance of water supply systems; evaluation of project alternatives on basis of chosen selection criteria for drinking water. It includes engineering design of water supply systems; water treatment and purification; water safety planning inclusive of water quality management, more particularly on the physical, biological, microbiological, and radiological quality of water to maintain its most beneficial use; water harvesting and recycling systems.

Section 5. Scope of Practice. The following shall define the respective professional positions and their relevant functions:

5.1 Environmental and Sanitary Engineer. An Environmental and Sanitary Engineer shall perform the following functions:

- a. Carry out consultation and academic services, valuation, investigation, studies, researches, surveys, reports and management services requiring environmental and sanitary engineering knowledge;
- b. Execute engineering design; supervision; direction; teaching; preparation of plans, specifications and project studies; estimates; be in-charge construction; execution of plans; monitoring, operation and maintenance of environmental and sanitary engineering systems, processes, works, projects or plants, including but not limited to its; tanks, reactors, materials handling equipments, piping, sensors, controls, monitors and all components necessary to complete the system of any magnitude, size, capacity, technical ratings and performance ratings in totality or individually of its components in the different fields of specialization as provided for in this Act;

- c. Develop, implement and manage programs;
- d. Waste minimization and resource recovery (recycling and reuse), cleaner production, pollution abatement and mitigation, polluted sites remediation and other relevant environmental strategies;
- e. Conduct research on environmental and sanitary problems, including current and emerging contaminants, pollutants and public health issues, and create, design and innovate solutions; and
- f. Prepare and certify technical, environmental and sanitary reports for compliance to environmental and sanitation laws and regulation;
- g. Perform research and laboratory works pertaining to environmental and sanitary engineering;
- h. Supervise Environmental and Sanitary Engineer Technologists;
- i. Other specialized services as provided by this Act.

5.2 Environmental and Sanitary Engineering Technologist. An Environmental and Sanitary Engineering Technologist shall perform the following functions:

- a. Conduct office, laboratory and field works pertaining to environmental and sanitary engineering projects and undertakings;
- b. Recommend the issuance of environmental and sanitary engineering permits as well as other related permits, clearances, or licenses, including discharge permits, permit to operate air pollution source and control installations, and sanitary permits; and,
- c. Assist environmental and sanitary engineers in the practice of the profession.

1 **5.3 Environmental and Sanitary Engineering Technician.** Under the
2 supervision of an environmental and sanitary engineer and/or
3 environmental and sanitary engineering technologist or both, an
4 Environmental and Sanitary Engineering Technician shall conduct
5 inspection, data gathering and sampling as regards to the different fields of
6 specialization as enumerated in Section 6 hereof.
7

8 **Section 6. – Specializations in Environmental and Sanitary**
9 **Engineering.** The following specializations are recognized under this Act:
10

11 a. Environmental and Sanitary Engineering Education
12

13 b. Environmental Engineering and Management

- 14 i. Ecology and Environmental Management
- 15 ii. Environmental Impact Assessment
- 16 iii. Environmental Risk Assessment and Management
- 17 iv. Atmospheric Pollution Abatement, Noise Pollution Abatement,
18 Land and Air Pollution Abatement
- 19 v. Lake, River and Seawater Pollution Abatement
- 20 vi. Classification of Water
- 21 vii. Conservation and Protection of Water Resources;
- 22 viii. Protection of Watersheds
- 23 ix. Radiological Pollution Management;
- 24 x. Remediation of Contaminated Soil and Groundwater
- 25 xi. Spills Clean Up and Remediation
- 26 xii. Climate Change Adaptation
- 27 xiii. Disaster Risk Reduction and Management
28

29 c. Public Health Engineering

- 30 i. Occupational Health and Safety Engineering
- 31 ii. Health Care Engineering
- 32 iii. Life Safety Engineering
- 33 iv. Healthful Lighting and Ventilation
- 34 v. Vector Control

- vi. Emergency Water Supply and Sanitation
- vii. Disposal of Dead Persons
- viii. Swimming Pool Systems

d. Sanitary Utilities in Buildings

- i. Fire Suppression System
- ii. Water Distribution System
- iii. Drainage, Waste and Vent System
- iv. Green Building System

e. Solid and Hazardous Waste Management

- i. Waste Collection, Treatment and Disposal
- ii. Solid Waste Management
- iii. Toxic and Hazardous Waste Management
- iv. Nuclear Waste Management

f. Wastewater Engineering

- i. Storm Drainage System
- ii. Sewerage System
- iii. Wastewater Treatment Facilities
- iv. Sewage Collection Treatment and Disposal
- v. Sludge and Septage Management
- vi. Sanitation Safety Planning
- vii. Wastewater Reuse and Sanitation

g. Water Supply Engineering

- i. Water Supply System
- ii. Water Resource Engineering
- iii. Water Treatment and Purification
- iv. Water Safety Planning
- v. Water Harvesting and Recycling System

Article II

BOARD OF ENVIRONMENTAL AND SANITARY ENGINEERING

Section 7. Creation, Appointment and Composition of the Board. There is hereby created a Board of Environmental and Sanitary Engineering, which shall consist of:

- a. A Chairperson and four (4) Members. Two (2) Board Members shall be responsible for the environmental and sanitary engineering licensure examinations; Two (2) Board Members shall be responsible for the environmental and sanitary engineering technologist licensure examinations and for the environmental and sanitary engineering technician licensure examinations; and
- b. The Chairperson and all the Members of the Board shall be appointed by the President of the Philippines upon the recommendation of the Chairperson of the Professional Regulation Commission, from a list of eight (8) nominees for the Board of the Environmental and Sanitary Engineering. All nominees shall be endorsed by the duly accredited integrated professional organization of the Environmental and Sanitary Engineers.

Section 8. Qualifications of the Members of the Board. A member of the Board, at the time of the appointment, shall possess the following qualifications:

- a. A Filipino citizen and a resident of the Philippines for at least five (5) years;
- b. At least thirty-five (35) years of age, of good moral character, and of proven integrity in the personal and professional conduct;
- c. Holder of a degree of Bachelor of Sciences in Environmental and Sanitary Engineering (BSEnSE) or Bachelor of Science in Sanitary Engineering (BSSE) from a university, school, college, academy or institute in the Philippines that is accredited by CHED;

- 1
- 2 d. A registered Environmental and Sanitary Engineer or a registered
- 3 Sanitary Engineer;
- 4
- 5 c. Have practiced Environmental and Sanitary Engineering for a period of
- 6 not less than ten (10) years prior to his appointment;
- 7
- 8 f. Must neither be an official nor a faculty member, nor shall have
- 9 pecuniary interest in any university, college, school or institution
- 10 conferring bachelor's degree in environmental and sanitary and
- 11 engineering for at least three (3) years prior to the appointment. A
- 12 person must not be connected with a review center or with any group
- 13 or association which offers or conducts review classes or lectures in
- 14 preparation for the licensure examinations at the time of appointment
- 15 and during their incumbency in the Board;
- 16
- 17 g. Must not be an incumbent officer of the AIPO of the environmental and
- 18 sanitary engineering; and
- 19
- 20 h. Must not have been convicted of any offense involving moral turpitude.
- 21

22 **Section 9. Term of Office.** A member of the board shall hold office for a term

23 of three (3) years from the date of appointment, or until their successor shall

24 have been appointed or qualified. They may, however, be reappointed for the

25 second term as recommended by their respective accredited professional

26 organization. Each member shall qualify by taking oath of office before

27 entering the performance of his duties. Vacancies in the Board shall be filled

28 by the President of the Philippines, from the list of candidates endorsed by

29 the Chairperson, who were chosen and recommended from the list of

30 nominees submitted by the accredited professional organization for the

31 unexpired term and shall continue to hold office for a term of three (3) years

32 until successor shall have been appointed or qualified. At the expiration of

33 the term of the Board Chairperson, the most senior of the Board member shall

34 temporarily assume and perform the duties and functions of the Chairperson,

1 until a permanent Chairperson is appointed by the President of the
2 Philippines.

3
4 **Section 10. Compensation and Allowances of the Board Members.** The
5 members of the Board shall receive a monthly compensation in accordance
6 with the salaries and wages stipulated under the PRC Law; *provided*, that the
7 Chairperson of the Regulatory Board shall receive a monthly compensation of
8 ten percent (10%) more. *Provided*, further, that such compensations shall be
9 increased or modified pursuant to the General Appropriations Act of the year;
10 *Provided further*, that they shall likewise receive other benefits that may be
11 provided by the Law.

12
13 **Section 11. Supervision of the Board, Custodian of Records, Secretariat**
14 **and Support Services.** The Board shall be under the administrative
15 supervision of the Commission. All records of the Board, including
16 examination papers, minutes of deliberation, records of administrative cases
17 and investigations and examination results shall be for control and
18 disposition of the Commission. The Commission shall designate the secretary
19 of the Board and shall provide secretariat and other support services to
20 implement the provisions of this Act.

21
22 **Section 12. Powers, Functions and Responsibilities of the Board.** The
23 Board shall exercise the following powers, functions and responsibilities:

- 24
- 25 a. Promulgate the implementing rules and regulations necessary in
26 carrying out the provision of this Act;
 - 27
 - 28 b. Regulate the registration, licensure and the practice of environmental
29 and sanitary engineering, environmental and sanitary engineering
30 technologist, and environmental and sanitary engineering technician in
31 accordance with the provisions of this Act;
 - 32
 - 33 c. Issue the certificate of registration and professional identification cards
34 to successful registrants;

- 1
- 2 d. Administer oaths in accordance with the provisions of this Act;
- 3
- 4 e. Issue special temporary permit to qualified foreign environmental and
- 5 sanitary engineering practitioners, who may be authorized by existing
- 6 laws to practice environmental and sanitary engineering in the
- 7 Philippines for a specific project and duration of time only;
- 8
- 9 f. Monitor the conditions affecting the practice of the environmental and
- 10 sanitary engineering profession and, whenever necessary, adopt such
- 11 measures deemed proper for the enhancement of the profession and the
- 12 maintenance of high professional technical and ethical standards;
- 13
- 14 g. Hear and investigate cases arising from violations of this Act, its
- 15 Implementing Rules and Regulations (IRR), Code of Ethics,
- 16 administrative policies, orders and issuances promulgated by the
- 17 Board. For this purpose, the Board shall issue subpoena ad
- 18 testificandum and/or subpoena duces tecum to secure the attendance
- 19 of the respondents or witnesses and the production of the documents
- 20 relative to the investigation conducted by the Board;
- 21
- 22 h. Hear and investigate the cases filed before the Board where the issue or
- 23 question strictly concerns the practice of the professions, in which case,
- 24 the hearing shall be presided over by at least one (1) member of the
- 25 Board assisted by a Legal or Hearing Officer of the Commission;
- 26
- 27 i. Conduct, through the Legal Officers of the Commission, summary
- 28 proceeding on minor violations of this Act, its IRR, including the general
- 29 instructions to examinees, and render the summary judgement
- 30 thereon, which, unless appealed to the Commission, shall become final
- 31 and executor after fifteen (15) days from the receipt of the decision;
- 32

- j. Suspend, revoke, reissue, or reinstate the certificate of registration and professional identification card or special temporary permit for causes provide by this laws;
- k. Prepare, adopt, and issue the syllabi or Tables of Specifications (TOS) of the subjects for examination, in consultation with CHED or HEIs; determine and the prepare the questions for the licensure examinations which shall strictly be within the scope of the syllabus or table of specifications of the subjects for examination; score and rate the examination papers and submit the results in all the subjects duly signed by the members of the Board to the Commission within thirty (30) days from the last day of examination, unless extended for justifiable cause, and subject to the approval of the Commission;
- l. Prescribe and adopt a Code of Ethics for Environmental and Sanitary Engineers, Environmental and Sanitary Engineering Technologists and Environmental and Sanitary Engineering Technicians in consultation with the AIPO;
- m. Prescribe guidelines in the Continuing Professional Development (CPD) program and to create the CPD Council with the objective of providing and ensuring the continuous development of all environmental and sanitary engineering practitioners;
- n. Adopt an official seal of the Board; and
- o. Perform other functions and duties as may be necessary to implement this Act.

Section 13. Annual Report. The Board shall, at the end of each calendar year, submit to the Commission a detailed report of its activities and proceedings during the year embodying also such recommendations as it may deem proper to promote the policies and objectives of this Act.

1 **Section 14. Removal of Board Members.** The President, upon
2 recommendation of the Commission, may remove any member of the Board
3 on the following grounds: neglect of duty, incompetence, malpractice,
4 tolerance of irregularities in the examinations, or for unprofessional,
5 unethical, or dishonorable conduct, after having been given the opportunity
6 to defend himself in a proper administrative investigation.

7
8 **ARTICLE III**

9 **LICENSURE, REGISTRATION AND PRACTICE OF ENVIRONMENTAL AND**
10 **SANITARY ENGINEERING, ENVIRONMENTAL AND SANITARY**
11 **ENGINEERING TECHNOLOGIST AND ENVIRONMENTAL AND SANITARY**
12 **ENGINEERING TECHNICIAN**
13

14 **Section 14. Examination Requirement.** All applicants for registration for
15 the practice of environmental and sanitary engineering, environmental and
16 sanitary engineering technologists and environmental and sanitary
17 engineering technicians are required to undertake and pass a written
18 technical examination as hereinafter provided in this Act.

19
20 **Section 15. Holding of Examination.** Examination of candidates desiring
21 to practice environmental and sanitary engineering, environmental and
22 sanitary engineering technologist and environmental and sanitary
23 engineering technician professions in the Philippines shall be given at the City
24 of Manila, or any other regional centers that may be designated by the
25 Commission, beginning the last Monday of February and September of each
26 year, provided that such dates do not fall on official holidays, otherwise, the
27 examination shall be held on the next working day.

28
29 **Section 16. Examination Fees.** All applicants for written examinations for
30 the environmental and sanitary engineers, environmental and sanitary
31 engineering technologists and environmental and sanitary engineering
32 technicians shall be subject to payment of fees prescribed by the Commission;
33 *Provided*, that ninety percent (90%) of the fees is to be treated as a special
34 fund for the programs, projects and activities of the Commission, and the

1 remaining ten percent (10%) shall be set aside as trust fund for the
2 establishment and maintenance of the center for Continuing Professional
3 Development and research.
4

5 **Section 17. Qualifications of Applicants for the Environmental and**
6 **Sanitary Engineers Licensure Examinations.** An applicant for the
7 licensure examination for environmental and sanitary engineer shall establish
8 to the satisfaction of the Board, on or before the date of examination, that
9 they possess the following qualifications:

- 10
11 a. A natural born citizen of the Philippines;
- 12
13 b. At least twenty-one (21) years of age;
- 14
15 c. Of good moral character;
- 16
17 d. Has not been convicted by the court of any offense involving moral
18 turpitude; and,
- 19
20 e. A Holder of a degree in of Bachelor of Science in Environmental and
21 Sanitary and Engineering (BSENSE) or Bachelor of Science in Sanitary
22 Engineering (BSSE) from a university, college, academy or institute,
23 duly constituted, recognized and accredited by the CHED.
24

25 **Section 18. Qualifications of Applicants for the Environmental and**
26 **Sanitary Engineering Technologists Licensure Examination.** An
27 applicant for the licensure examination for environmental and sanitary
28 engineering technologists shall establish to the satisfaction of the Board that
29 the following qualifications are met:

- 30
31 a. A natural born citizen of the Philippines;
- 32
33 b. Of good moral character;
- 34

- c. A graduate of Bachelor in Environmental and Sanitary Engineering Technology; and
- d. Has not been convicted by the court of any offense involving moral turpitude.

Section 19. Qualifications of Applicants for the Environmental and Sanitary Engineering Technicians Licensure Examination. An applicant for the licensure examination for an environmental and sanitary engineering technician shall establish to the satisfaction of the Board that the following qualifications are met:

- a. A natural born citizen of the Philippines;
- b. Of good moral character;
- c. A graduate of a Two (2) to Three (3) Year Diploma in Environmental and Sanitary Engineering Technician; and
- d. Has not been convicted by the court of any offense involving moral turpitude.

Section 20. Registration without Examination. Within two (2) years from the effectivity of this Act, the following shall be registered without examinations:

- a. Environmental and Sanitary Engineers – subject to the satisfaction of the Board and the AIPO, the following shall be registered as Environmental and Sanitary Engineers:
 - i. A natural born citizen of the Philippines;
 - ii. Of good moral character;
 - iii. Has not been convicted by the court of an offense involving moral turpitude; and
 - iv. A holder of a degree in any of the following:

- a. Bachelor of Science in Environmental and Sanitary Engineering (BSENSE), Bachelor of Science in Sanitary Engineering (BSSE) or Bachelor of Science in an Allied Engineering from a university, college, academy or institute, duly constituted, recognized and accredited by the Philippine Government with at least ten (10) years of experience in the fields of specialization under this Act; or
 - b. Bachelor of Science in an Allied Engineering with Valid PRC license and has completed major subjects in Public Health and Environmental Engineering, following CHED program, from a university, college, academy or institute, duly constituted, recognized and accredited by the Philippine Government or from the AIPO and with at least eight (8) years of experience in the fields of specialization under this Act, subject to the satisfaction of the Board and the AIPO; or
 - c. Master's in Environmental Engineering and has completed major subjects in Public Health and Environmental Engineering, following CHED program, from a university, college, academy or institute, duly constituted, recognized and accredited by the Philippine Government or from the AIPO; and with at least eight (8) years of experience in the fields of specialization under this Act.
- b. Environmental and Sanitary Engineering Technologies – subject to the satisfaction of the Board and the AIPO, the following shall be registered as Environmental and Sanitary Engineering Technologists:
- i. Sanitary Inspectors who are currently employed in the government service for at least three (3) years. In addition, they must have completed any Baccalaureate Degree.
 - ii. Pollution Control Officers who have been actually practicing and designated as Pollution Control Officers for at least ten (10) years. In addition, they shall also have completed any Allied Baccalaureate Degree.

1 iii. Those who have been actually practicing under the different
2 fields of specialization under this Act for at least ten (10) years.
3 In addition, they shall also have completed any Allied
4 Baccalaureate Degree.

5
6 c. Environmental and Sanitary Engineering Technicians, subject to the
7 satisfaction of the Board and the AIPO, the following shall be registered
8 as Environmental and Sanitary Engineering Technicians:

9 i. Sanitary Inspectors who have regular employment as such and
10 has been in the government service for at least ten (10) years.
11 They shall be Technicians in the field of Public Health and are
12 accredited or certified by the DOH

13 ii. Pollution Control Officers who have been in the practice for less
14 than ten (10) years and are accredited by the Department of
15 Environment and Natural Resources or other government
16 agencies authorized to do such.

17 iii. Those who have been actually practicing under the different
18 fields of specialization under this Act for at least ten (10) years.
19

20 ***Section 21. Registration Fees, License Fees, Certificate Fees and Fines.***

21 All applicants for registration, certification and licenses to practice shall be
22 subject to payment of fees, license fees and fines as prescribed by the
23 Commission.
24

25 ***Section 22. Subjects of the Environmental and Sanitary Engineering***

26 ***Licensure Examination.*** The Board shall determine the classification of the
27 subjects for examinations for Environmental and Sanitary Engineering,
28 Environmental and Sanitary Engineering Technologist and Environmental
29 and Sanitary Engineering Technicians Licensure Examination and shall cover
30 the following subjects:
31

32 i. Environmental Engineering;

33 ii. Environmental Management;

34 iii. Public Health Engineering;

- iv. Sanitary Science as Applied to Buildings;
- v. Solid Waste Management;
- vi. Wastewater Engineering; and
- vii. Water Supply Engineering

However, the specific subjects for each category shall be so limited only to the competencies that they have undergone under their baccalaureate degrees based on curriculum and Policies and Standard Guidelines issued by CHED.

The Board, subject to the approval of the Commission, may amend or revise the subjects, the syllabi, and the system and procedure in the Environmental and Sanitary Engineering, Environmental and Sanitary Engineering Technologist and Environmental and Sanitary Engineering Technicians Licensure Examination.

Section 23. Rating in the Licensure Examination. To be qualified as having passed the licensure examinations for Environmental and Sanitary Engineers, Environmental and Sanitary Engineering Technologists and Environmental and Sanitary Engineering Technicians, a candidate must obtain a weighted general average of at least seventy percent (70%), with no grade lower than fifty percent (50%) in any given subject. However, an examinee who obtains a weighted general average rating of seventy percent (70%) or higher, but obtains a rating below fifty percent (50%) in any given subject, must retake only the examination in the subject or subjects where the grade obtained is below fifty percent (50%).

Section 24. Oath of Environmental and Sanitary Engineering Practitioner. All successful examinees must register and shall take the prescribed professional oath before any member of the Board or any other authorized official of the Commission prior to entering the practice of the profession.

Section 25. Issuance of the Certificates of Registration and Professional Identification Card. The Board and the Commission shall issue a certificate

1 of registration to a registrant who has met all the requirements for registration
2 under this Act. The certificate of registration shall bear the full name of the
3 registrant, the signatures of the Chairperson of the Commission and all
4 Members of the Board, and the official seals of the Board and the Commission.
5 The certificate of registration shall be the evidence that the person named
6 therein is entitled to practice the environmental and sanitary engineering,
7 environmental and sanitary engineering technology or environmental and
8 sanitary engineering technician profession, as the case may be, with all the
9 privileges appurtenant thereto.

10
11 A professional identification card indicating the registration number, and
12 dates of its issuance and expiry, duly signed by the Commission Chairperson,
13 shall likewise be issued to a successful registrant. The professional
14 identification card shall be regularly renewed, subject to compliance with the
15 requirements as may be prescribed by the Board and the Commission.

16
17 **Section 26. Foreign Reciprocity.** No foreigner shall be admitted to the
18 licensure examination, or be given a certificate of registration and professional
19 identification card, or be entitled to any of the rights and privileges under this
20 Act, unless the requirement for the registration or licensing in said foreign
21 country of state are substantially the same as those required and
22 contemplated by the laws of the Philippines, and that the laws of such foreign
23 country of state specifically permits Filipino environmental and sanitary
24 engineering practitioners to practice within its territorial limits on the same
25 basis as the subjects or citizens of such foreign country or State.

26
27 **Section 27. Special Temporary Permits.** The following are required to
28 secure a special temporary permit from the Board, subject to the approval of
29 the Commission:

- 30
31 a. Environmental and sanitary engineering practitioners or their
32 equivalent from other countries called in by the government for
33 consultation and for a specific project, or both; Provided, that
34 such foreign environmental and sanitary engineering

1 practitioners are legally qualified to practice environmental and
2 sanitary engineering or its equivalent in their country or State.
3

4 b. Foreign consultants specializing in the field of environmental and
5 sanitary engineering, who, in the judgment of the Board, may
6 benefit the local practitioners through the transfer of technology:
7 Provided, That such registrants shall satisfy the following
8 conditions:

9 i. That, at the time of engagement, no Filipino
10 environmental and sanitary engineering practitioner in
11 the country is competent, available and willing to
12 perform that services for which the foreigner has been
13 hired; and

14 ii. Any particular or specific engagement shall not be in
15 excess of one (1) year, renewable at the discretion of the
16 Board and the Commission.
17

18 **Section 28. Refusal to Register.** The Board shall not register any applicant
19 for registration who suffers from any of the following disqualifications:
20

21 a. Conviction by final judgment by a court of competent jurisdiction of any
22 offense involving moral turpitude;
23

24 b. Conviction by final judgment in any administrative case involving
25 immorality or notoriously undesirable conduct;
26

27 c. Adjudged guilty for violation of the General Instructions to Examinees
28 by the Board;

29 i. Declared to be of unsound mind by the court of competent
30 jurisdiction; or

31 ii. Proven to be afflicted with addiction to substance/s impairing the
32 ability to practice the profession through a finding to this effect
33 by a medical or drug testing facility accredited by the government.
34

1 In case of refusal to register, the Board shall issue to the applicant a written
2 statement setting forth the reasons for such refusal and shall file a copy
3 thereof in its records.
4

5 **Section 29. Suspension and Revocation of the Certificate of**
6 **Registration and Professional Identification Card or Special Temporary**

7 **Permit.** The Board shall have the power, after due notice and hearing, to
8 suspend a registrant for a period of six (6) to twelve (12) months, depending
9 on the gravity of the offense or revoke the certificate of registration and
10 professional identification card and special temporary permit on any of the
11 following grounds:
12

13 For Suspension:
14

- 15 a. Unjustified refusal to join or to remain a member in good standing of
16 the AIPO;
- 17 b. Unjustified or unexplained neglect or failure to pay the PRC annual
18 registration fees for five (5) consecutive years; or
- 19 c. Unjustified or unexplained non-renewal of the professional
20 identification card for more than five (5) consecutive years.
21

22 For Revocation:
23

- 24 a. Violation of any provision of this Act, its IRR, Code of Ethics, and other
25 policies and regulatory measures of the Board and the Commission, or
26 both;
- 27 b. Perpetration or use of fraud in obtaining the certificate of registration,
28 professional identification card or special temporary permit;
- 29 c. Gross incompetence, negligence or ignorance in the practice or exercise
30 of the profession resulting to death, injury of persons and damage to
31 property;
- 32 d. Aiding or abetting the illegal practice of a person who is not an
33 environmental and sanitary engineering practitioner by allowing oneself

1 to use the certificate of registration, professional identification card or
2 special temporary permit, among others;

3 e. Practice of the profession during the suspension from the practice
4 thereof; or

5 f. Addiction to drug or alcohol abuse impairing oneself ability to practice
6 the profession or being declared of unsound mind by a court of
7 competent jurisdiction.

8
9 The Board shall periodically evaluate the aforementioned grounds and revise
10 or add new ones as the need arises, subject to approval by the Commission.

11
12 **Section 30. Filing of Charges.** The rules on administrative investigation of
13 the Commission shall govern the filing of charges and the conduct of hearing
14 and investigation, or both subject to applicable provisions of this Act, R.A. No.
15 8981 and the Rules of Court.

16
17 **Section 31. Reissuance of Revoked Certificate of Registration,**
18 **Replacement of Lost or Damaged Certificate of Registration,**
19 **Professional Identification Card or Special Temporary Permit.**

20 Suspensions imposed against a registrant shall be automatically lifted upon
21 expiration of the period indicated in the suspension order. The Board may,
22 upon petition, reinstate or reissue a revoked certificate of registration after
23 two (2) years from the effectivity of the revocation, which is reckoned from the
24 date of surrender of the said certificate of registration and professional
25 identification card, or both to the Board and the Commission. The Board may
26 not require the holder thereof to take another licensure examination. The
27 petitioner shall prove to the Board that one has a valid reason to resume the
28 practice of the profession. For the grant of one's petition, the Board shall issue
29 a Board Resolution, subject to approval by the Commission.

30
31 A duplicate copy of a lost certificate of registration, professional identification
32 card or special temporary permit may be reissued in accordance with rules
33 thereon and upon payment of the prescribed fee therefore.

Section 32. Use of Official Seal. All environmental and sanitary engineers shall obtain a seal of such design as the Board shall authorize and direct; Provided, however, that the certificate of registration number issued by the Board shall be included in the design of the seal. Plans, specifications, reports and documentations prepared by, and under the direct supervision of an environmental and sanitary engineer shall be stamped with such seal during the validity of the latter's certificate of registration. It shall be unlawful to affix the seal on any document after the environmental and sanitary engineer's certificate of registration has been revoked, unless such certificate of registration shall have been renewed or re-issued.

Section 33. Display of Certificate of Registration in the Place of Practice. The proprietor or manager of a firm, partnership or association which employs an environmental and sanitary engineer shall post or cause to be posted in a conspicuous place within the place of business of the firm, partnership or association, the certificate of registration of the environmental and sanitary engineer, provided that his terms of engagement is for the practice of said profession.

Section 34. Roster of Sanitary and Environmental Engineering Practitioners. The Commission shall keep a roster of all duly licensed and registered environmental and sanitary engineers, environmental and sanitary engineering technologists, and environmental and sanitary engineering technicians, with their names; registration numbers and places of business. The Commission shall regularly update such roster and make it available to all interested parties, upon request.

Section 35. Environmental and Sanitary Engineering Code for Environmental and Sanitary Engineering Practitioners. The Board shall adopt and promulgate the Code of Ethics and Standards of Practice for environmental and sanitary engineers, environmental and sanitary engineering technologists, and environmental and sanitary engineering technicians, prescribed and issued by the AIPO of environmental and sanitary engineers.

1
2 **ARTICLE IV**

3 **PENAL AND OTHER MISCELLANEOUS PROVISIONS**
4

5 **Section 36. Vested Rights.** All sanitary engineers registered under RA No
6 1364, otherwise known as the "Sanitary Engineering Law" shall automatically
7 be registered under the provisions of this Act bearing their original
8 registration certificate numbers.
9

10 **Section 37. Practice of Firms.** The practice of environmental and sanitary
11 engineering is a professional service based on individual and personal
12 qualifications. A firm, association or partnership may practice this profession.
13 Provided, that the principals of the firm, association or partnership are
14 environmental and sanitary engineers registered with the Commission
15 pursuant to the provisions of this Act.
16

17 **Section 38. Integration of the Environmental and Sanitary Engineering**
18 **Profession.** The Philippine Society of Sanitary Engineers, a duly Accredited
19 Professional Organization for Sanitary Engineers by the PRC, together with
20 the Sanitary Inspectors Association of the Philippines shall be integrated into
21 one (1) national organization which shall be recognized by the Board as the
22 one and only Accredited Integrated Professional Organization (AIPO) of the
23 environmental and sanitary engineering practitioners. Every environmental
24 and sanitary engineering practitioner shall, upon registration with the Board,
25 ipso facto become a member of the AIPO and shall receive all the benefits and
26 privileges appurtenant to their membership in the AIPO, upon payment of the
27 required membership fees and dues.
28

29 **Section 39. Appointment of Environmental and Sanitary Engineers to**
30 **Relevant Positions in the Provincial, City and Municipal Governments**
31 **and Establishments with Environmental Engineering Functions.** Within
32 two (2) years after the approval of this Act, all provinces, cities and
33 municipalities must appoint an environmental and sanitary engineer in their

1 respective Provincial, City and Municipal Health Offices, Engineering Offices
2 and Offices of Building Officials.

3
4 No person shall be appointed to the position of environmental and sanitary
5 engineer or those vested with environmental and sanitary engineering
6 functions unless the person is a citizen of the Philippines, a resident of the
7 local government unit concerned, of good moral character, and a registered
8 environmental and sanitary engineer with the PRC. The appointee must
9 satisfy the qualification requirements issued by the Civil Service Commission
10 and will have the minimum functions as follows:

- 11
12 a. Initiate, review and recommend changes in policies and objectives,
13 plans and programs, techniques, procedures and practices in
14 environmental and sanitary engineering works in general of the local
15 government unit concerned;
16
17 b. Advise the local chief executive, governor or mayor, as the case may be,
18 on environmental and sanitary engineering matters and concerns;
19
20 c. Administer, coordinate, supervise, and control the implementation of
21 projects relevant to environmental and sanitary engineering;
22 d. Provide engineering services to the local government unit concerned,
23 including investigation and survey, engineering designs, feasibility
24 studies and project management;
25
26 e. In the case of provincial environmental and sanitary engineers, exercise
27 technical supervision over all environmental and sanitary engineering
28 offices of component cities and municipalities; and
29
30 f. Exercise such other powers and perform such other duties and
31 functions as may be prescribed by law or ordinance.

32
33 Firms, companies, partnerships or associations which are mandated to
34 comply with environmental and sanitation laws shall have in their employ a

1 registered Environmental and Sanitary Engineer aided by, as the case may
2 be, Environmental and Sanitary Engineering Technologist/s and/or
3 Environmental and Sanitary Engineering Technician/s.

4
5 **Section 40. Ratio of Environmental and Sanitary Engineers,**
6 **Environmental and Sanitary Engineering Technologists, and**
7 **Environmental and Sanitary Engineering Technicians per population**
8 **of Local Government Units.** The IRR of this Act shall set the standard ratio
9 of environmental and sanitary engineers, environmental and sanitary
10 engineering technologists and environmental and sanitary engineering
11 technicians per unit of population served in every province, city or
12 municipality.

13
14 **Section 41. Review, Approval and Permitting of Environmental and**
15 **Sanitary Engineering Works.** Review, approval and permitting of
16 Environmental and Sanitary Engineering works, plans, specifications, reports
17 and related documentations shall be by the Department of Health. In cases
18 where the Environmental and Sanitary Engineering works, plans, reports and
19 related documentations forms part of a work or project under permitting from
20 the Office of the Building Official, permitting from the Office of the Official
21 shall be upon endorsement by the Department of Health after its review
22 and approval.

23
24 **Section 42. Penal Provision.** In addition to the administrative sanctions
25 imposed under this Act, upon conviction, the penalty of imprisonment of not
26 less than one (1) year but not more than five (5) years, or a fine of not less
27 than One hundred thousand Pesos (PhP 100,000.00) but not more than Five
28 hundred thousand Pesos (PhP 500,000.00), or both, at the discretion of the
29 Courts, shall upon conviction be imposed on a person who commits any of
30 the following acts:

- 31
32 a. Engaging in the practice of environmental and sanitary engineering in
33 the Philippines without having been registered or without having
34 conformed with the provisions of this Act;

- b. Presenting or attempting to use as one's own the certificate of registration or professional identification card of another environmental and sanitary engineer, environmental and sanitary engineering technologists or environmental and sanitary engineering technician, or special temporary permit of a foreign environmental and sanitary engineering practitioner;
- c. Submitting any false or forged evidence to the Board for the purpose of securing a certificate of registration, professional identification card or special temporary permit, or impersonating any environmental and sanitary engineering practitioner;
- d. Attempting to use or using a revoked or suspended certificate of registration, professional identification card or special temporary permit;
- e. Using or advertising any title or description tending to convey the impression that a person is a environmental and sanitary engineering practitioner even without a valid certificate of registration, professional identification card or special temporary permit; or
- f. Violating any of the provisions of this Act.

In case the offender is a corporation, partnership or judicial person, the penalty of imprisonment shall be imposed on the environmental and sanitary engineer jointly and solidarily with the responsible professionals, as well as the officer or officers responsible for permitting or causing the violation.

Section 43. Enforcement of the Act by Officers of the Law. The Board and the Commission shall implement and enforce the provisions of this Act, its IRR, and whenever warranted, investigate complaints for violations of this Act, its IRR and the Code of Ethics and Standards for Environmental and Sanitary

1 Engineers, Environmental and Sanitary Engineering Technologists and
2 Environmental and Sanitary Engineering Technicians.

3
4 The National Government, any of its provincial, city or municipal government
5 or political subdivisions, shall assist in the enforcement of the provisions of
6 this Act. The Department of Justice shall act as legal adviser of the Board and
7 render such legal assistance as may be necessary in carrying out provisions
8 of this Act.

9
10 **Section 44. Appropriations.** The Chairperson of the Commission shall
11 immediately include in the Commission's programs the implementation of this
12 Act, the funding of which shall be included in the annual General
13 Appropriations Act (GAA). The amount necessary to carry out the initial
14 implementation of this Act shall be charged against the current year's
15 appropriations of the Commissions. Thereafter, such sums as may be
16 necessary for the continued implementation of this Act shall be included in
17 the succeeding GAA.

18
19 **Section 45. Separability.** If any provision of this Act or the application
20 thereof is declared unconstitutional or invalid for any reason, the same shall
21 not affect the validity of the other provisions.

22
23 **Section 46. Repeal.** RA 1364 is deemed repealed and replaced by this Act.
24 All other professionals governed by their respective professional regulatory
25 laws (PRLs) shall be allowed to continue their practice as provided for in the
26 respective PRLs.

27
28 **Section 47. Effectivity.** This Act shall take effect fifteen (15) days after its
29 publication in the Official Gazette or in a newspaper of general circulation.

30
31 Approved.