

NINETEENTH CONGRESS OF THE )  
REPUBLIC OF THE PHILIPPINES )  
*First Regular Session* )



23 JAN -4 P12 :54

**SENATE**  
S. No. 1634

RECEIVED BY: \_\_\_\_\_

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INTRODUCED BY SENATOR JOSEPH VICTOR G. EJERCITO

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**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, FOR THE PURPOSE OF AMENDING REPUBLIC ACT 1364, AND**  
**FOR OTHER PURPOSES**

EXPLANATORY NOTE

Since its inception through RA 1364 on 18 June 1955 the practice of Sanitary Engineering profession had been fundamentally in sanitation, water supply, sanitary and storm sewerage systems, and general pollution control and industrial hygiene. In recent years, however, the professional responsibilities had greatly increased to include the following; (1) domestic and industrial wastewater treatment; (2) septage management system; (3) stream, river sanitation and water pollution control; (4) atmospheric pollution control, both indoor and outdoor environment; (5) solid waste management and sanitary landfill design; (6) radioactive, nuclear, toxic and hazardous material waste management; (7) sanitary utilities in buildings; and (8) emergency water and sanitation. Clearly, Public Health Engineering needs to be protected by updating Environmental Engineering.

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. This has prompted the Sanitary Engineers to re-assess the existing Sanitary Engineering Law in order to recommend and adopt measures to carry out more efficient pollution abatement techniques, increasing numbers of environmentalist and realigning other engineering professionals into environmental and sanitary engineering field. Hence, there is an urgent need to update the Sanitary Engineering Law to enable environmental and sanitary engineers and practitioners to be more effective in dealing with today's worsening environmental and public health problems.

CHED Memo Circular No. 35 series of 2009 had 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; (5) Sanitary Science as Applied to Buildings; (6) Solid Waste Management; (7) Wastewater Engineering; and (8) Water Supply Engineering.

Even when CMO 98 series of 2017 was issued in furtherance, more or less, to the Outcomes Based Education, the curriculum contents are practically similar to those contained in CMO 35 series of 2009, specifically on the professional courses.

Sanitary Engineering was also considered by CHED as one of the priority courses from 2014 (CHED Memo Order No. 1, s. 2014).

In the United States of America the practice of Sanitary Engineering was also established in 1956 but has evolved into Environmental Engineering in the 1960's and

that one of the member professions of the American Board of Engineering and Technology is the American Academy of Environmental Engineers.

In the global arena, Environmental Engineering is well represented by the Sanitary Engineers in ASEAN, APEC and ASEAN Chartered Professional Engineering (ACPE) registries for decades. The Washington accord, likewise, recognizes the representation of sanitary engineers in environmental engineering. The evolution of BS environmental and sanitary engineering will re-establish and continue to affirm the global dignity and will not vitiate the Philippine representation in these registries.

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 specialization.

It is hereby proposed in this measure for local and international development to follow globalization trends in specialization in order to serve the Filipinos and be globally competitive. In view of these, it is imperative for the enactment of a new Environmental and Sanitary Engineering Law to come up with a more definitive and responsive law that maintains global acceptable and locally responsive to the needs of the people.

Hence, the approval of this measure is earnestly sought.

A handwritten signature in black ink, appearing to read 'J. Ejercito', with a horizontal line extending to the left of the first letter.

**JOSEPH VICTOR G. EJERCITO**



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*Be it enacted by the Senate and the House of Representatives of the Philippines, in Congress assembled:*

**ARTICLE 1**  
**TITLE AND DEFINITION OF TERMS**

SECTION 1. *Short Title.* – This Act shall be known as the *Environmental and Sanitary Engineering Act.*

Sec. 2. *Statement of Policy.* – The State recognizes the importance of environmental and sanitary engineers, environmental and sanitary engineering technologists, and environmental and sanitary engineering technicians in nation building and development. Thus, the state shall develop and nurture competent, virtuous, productive and well-rounded environmental and sanitary engineers, environmental and sanitary engineering technologists, and environmental and sanitary engineering technicians whose standards of professional practice and service shall be

1 excellent, world-class and globally competitive through regulatory measures,  
2 programs and activities.

3       Sec. 3. *Objectives.* - This Act shall govern, but not be limited to, the following:

- 4       a) The examination, registration, licensure and certification of environmental and  
5       sanitary engineers, environmental and sanitary engineering technologists and  
6       environmental and sanitary engineering technicians;
- 7       b) The regulation, supervision, and control of the practice of environmental and  
8       sanitary engineers, environmental and sanitary engineering technologists, and  
9       environmental and sanitary engineering technicians;
- 10       c) The development, upgrading, and updating of the curriculum of environmental  
11       and sanitary engineers, environmental and sanitary engineering technologists,  
12       and environmental and sanitary engineering technicians' professions in  
13       conformity with the approval of the Commission on Higher Education (CHED);
- 14       d) The development and improvement of the professional competence and career  
15       progression in the practice of environmental and sanitary engineers,  
16       environmental and sanitary engineering technologists, and environmental and  
17       sanitary engineering technicians through, among others, continuing  
18       professional development (CPD);
- 19       e) The integration of the existing environmental and sanitary engineers, sanitary  
20       inspectors and pollution control officers professions; and
- 21       f) The creation of relevant positions for environmental and sanitary engineers,  
22       environmental and sanitary engineering technologists and environmental and  
23       sanitary engineering technicians and such other positions which require the  
24       knowledge and services of environmental and sanitary engineering  
25       practitioners in all levels of local government units, relevant national  
26       government agencies and instrumentalities, including government owned and  
27       controlled corporations (GOCCs) as well as in industries, private establishments,  
28       firms, corporations and institutions.

29       Sec. 4. *Definition of Terms.*— As used in this Act:

- 1        *a. AIPO* – Accredited Integrated Professional Organization.
- 2        *b. Allied Baccalaureate Degree* – a Bachelor’s Degree relative to directly support  
3        the practice of an Environmental and Sanitary Engineer in the field of  
4        specializations under this Act.
- 5        *c. Allied Engineering* – Civil Engineering and/or Chemical Engineering.
- 6        *d. Board* – Professional Regulatory Board of Sanitary Engineering.
- 7        *e. BSEnSE* – Bachelor of Science in Environmental and Sanitary Engineering.
- 8        *f. BSSE* – Bachelor of Science in Sanitary Engineering.
- 9        *g. Chairperson* – Chairperson of the Professional Regulatory Board for  
10        Environmental and Sanitary Engineering.
- 11       *h. CHED* – Commission on Higher Education.
- 12       *i. Commission* – Professional Regulation Commission.
- 13       *j. Commissioner* – Chairperson of the Professional Regulation Commission.
- 14       *k. CPD* – Continuing Professional Development.
- 15       *l. DOH* – Department of Health.
- 16       *m. Environmental and Sanitary Engineer* – a person duly registered with the Board  
17       for Environmental and Sanitary Engineering in the manner provided in this Act.
- 18       *n. Environmental and Sanitary Engineering Technologist* – a person duly  
19       registered with the Board for Environmental and Sanitary Engineering in the  
20       manner provided in this Act.
- 21       *o. Environmental and Sanitary Engineering Technician* – a person duly registered  
22       with the Board for Environmental and Sanitary Engineering in the manner  
23       provided in this Act.
- 24       *p. Environmental Engineering* – encompasses the application and management of  
25       science and engineering principles to protect the environment and avoid its  
26       degradation, which includes the air, water, and land resources; to provide safe  
27       water, air, and land for human habitation and for other organisms and, if  
28       needed, to rehabilitate polluted sites; solid waste management, environmental  
29       impact assessment, environmental risk assessment and management,  
30       atmospheric pollution abatement; noise pollution abatement; conservation and  
31       protection of water resources; classification of water; and management of toxic  
32       and hazardous substances and radiological pollution. The ultimate goal of

1 environmental engineering is the protection of human populations from the  
2 effects of adverse environmental factors and the protection of environments,  
3 both local and global, from potentially deleterious effects of natural and human  
4 activities such as Climate Change Adaptation, Disaster Mitigation, Disaster Risk  
5 Management and Disaster Risk Reduction as related to Environmental and  
6 Sanitary Engineering;

7 *q. Environmental Engineering Management* – refers to an entire spectrum of  
8 activities including, but not limited, to environmental impact assessment (EIA),  
9 water quality management, ambient air quality management, climate change  
10 adaptation and mitigation, disaster risk reduction and management, and other  
11 programs and strategies to maintain safe and healthy environment and protect  
12 public health;

13 *r. Environmental Health* – a branch of public health that encompasses the  
14 assessment and control of environmental factors that can potentially affect  
15 human health.

16 *s. HEI* – higher education institutions.

17 *t. OBO* – Office of the Building Official.

18 *u. Pollution Control Officer* – inspects and investigates sources of pollution to  
19 protect the public and environment and ensure conformance with regulations  
20 and ordinances

21 *v. Public Health Engineering* – covers the control of all factors in man's physical  
22 environmental that adversely affect human life, health and safety. It focuses  
23 on the identification and prevention of transmission of diseases through the  
24 control of physical aspects of the environment including food, water, air, refuse,  
25 soil, insects, rodents, vermin and all other vectors and also the control of  
26 domestic and personal hygiene practices. Specific activities includes sanitation  
27 of establishments, institutions and public places; vector control; industrial  
28 hygiene; occupational health and safety engineering; health care engineering;  
29 life safety engineering; nuisance abatement; healthful lighting and ventilation;  
30 emergency water supply and sanitation; environmental health impact  
31 assessment; disposal of dead persons; swimming pool system; water supply  
32 and distribution system design and management both potable water and used



1 water and inclusive of those in buildings/structures; food sanitation; and other  
2 engineering services related to the protection of public health and welfare; It  
3 also includes the application of scientific and engineering concepts and  
4 principles to the examine indoor and outdoor environmental quality and  
5 condition to identify, monitor, evaluate and eliminate or control of hazards that  
6 expose people, environment or property to danger;

7 *w. RA 1364* – the Sanitary Engineering Law;

8 *x. Sanitary Engineer* – a person duly registered with the Board for Sanitary  
9 Engineering as provided in R.A. 1364.

10 *y. Sanitary Inspector* – the present title of a Sanitarian, a person currently  
11 employed with the local government units whose work is to inspect public  
12 places and establishments to ensure that they are complying with sanitation  
13 standards.

14 *z. Sanitary Utilities in Buildings* – refers to the water supply and distribution  
15 system, sanitary drainage system, wastewater recycling and reuse, storm  
16 drainage system and wastewater treatment facility as well as fire protection in  
17 buildings where hydraulic and engineering principles are applied.

18 *aa. Specialist* – shall mean a registered Environmental and Sanitary Engineer who  
19 is certified by the accredited integrated professional organization of PRC on  
20 Environmental and Sanitary Engineering to have demonstrated his advanced  
21 knowledge, skills and experience, in a recognized specialization  
22 of Environmental and Sanitary Engineering, and who is the recipient of  
23 a certificate of specialization set forth in this Act.

24 *bb. Wastewater Engineering* – where basic principles of science and engineering  
25 are applied to the problems of water pollution control. It covers wastewater  
26 characterization, analysis and determination of water waste flow rates and  
27 constituent loadings, as well as primary, secondary and tertiary or advanced  
28 treatment processes, and design, wastewater treatment plant  
29 residuals management, and other issues related to wastewater treatment plant  
30 performance and wastewater disposal. It covers sewage collection,  
31 treatment and disposal; sewerage and storm drainage systems; sludge and

1           septage management systems; sanitation safety planning; wastewater reuse  
2           and recycling systems.

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

15          Sec. 5. *Scope of Practice.* – The following shall be the respective practice of:

16          **5.1 Environmental and Sanitary Engineer** a person shall be deemed to  
17          practice Environmental and Sanitary Engineer within the meaning and intent of this  
18          Act is one who renders, or offers to render professional services in the form of, but  
19          not limited to the following:

20          *a.* Consultation and academic services, valuation, investigation, studies,  
21          researches, surveys, reports and management services requiring environmental  
22          and sanitary engineering knowledge;

23          *b.* Engineering design; supervision; direction; teaching; preparation of plans,  
24          specifications and project studies; estimates; be in-charge construction;  
25          execution of plans; monitoring, operation and maintenance of environmental  
26          and sanitary engineering systems, processes, works, projects or plants,  
27          including but not limited to its; tanks, reactors, materials handling equipments,  
28          piping, sensors, controls, monitors and all components necessary to complete  
29          the system of any magnitude, size, capacity, technical ratings and performance

1 ratings in totality or individually of its components in the different of fields of  
2 specialization as provided for in this Act;

3 *c.* Develop, implement and manage programs;

4 *d.* Waste minimization and resource recovery (recycling and reuse), cleaner  
5 production, pollution abatement and mitigation, polluted sites remediation and  
6 other relevant environmental strategies;

7 *e.* Conduct research on environmental and sanitary problems, including current  
8 and emerging contaminants, pollutants and public health issues, and create,  
9 design and innovate solutions; and

10 *f.* Prepare and certify technical, environmental and sanitary reports for  
11 compliance to environmental and sanitation laws and regulation.

12 *g.* Research and laboratory works pertaining to environmental and sanitary  
13 engineering;

14 *h.* Specialized services as provided by this Act.

15 **5.2 Environmental and Sanitary Engineering Technologist** under the  
16 supervision of an environmental and sanitary engineer, shall:

17 *a.* Conduct office, laboratory and field works pertaining to environmental and  
18 sanitary engineering projects and undertakings;

19 *b.* Recommend the issuance of environmental and sanitary engineering permits  
20 as well as other related permits, clearances, or licenses, including discharge  
21 permits, permit to operate air pollution source and control installations, and  
22 sanitary permits; and

23 *c.* Assist environmental and sanitary engineers in the practice of the profession.

24 **5.3 Environmental and Sanitary Engineering Technician** under the supervision  
25 of an environmental and sanitary engineer and/or environmental and sanitary  
26 engineering technologist or both shall conduct inspection, data gathering and  
27 sampling as regards to the different fields of specialization as contained in Section 6  
28 hereof.

1           Sec. 6. *Specializations in Environmental and Sanitary Engineering.* – The  
2 following specializations are recognized by this Act:

3           a. Environmental and Sanitary Engineering Education

4           b. Environmental Engineering Management

5                   i. Ecology and Environmental Management

6                   ii. Environmental Impact Assessment

7                   iii. Environmental Risk Assessment and Management

8                   iv. Atmospheric Pollution Abatement, Noise Pollution Abatement,  
9                   Land and Air Pollution Abatement

10                  v. Lake, River and Seawater Pollution Abatement

11                  vi. Classification of Water

12                  vii. Conservation and Protection of Water Resources;

13                  viii. Protection of Watersheds

14                  ix. Radiological Pollution Management;

15                  x. Remediation of Contaminated Soil and Groundwater

16                  xi. Spills Clean Up and Remediation

17                  xii. Climate Change Adaptation

18                  xiii. Disaster Risk Reduction and Management

19           c. Public Health Engineering

20                   i. Occupational Health and Safety Engineering

21                   ii. Health Care Engineering

22                   iii. Life Safety Engineering

23                   iv. Healthful Lighting and Ventilation

24                   v. Vector Control

25                   vi. Emergency Water Supply and Sanitation

26                   vii. Disposal of Dead Persons

27                   viii. Swimming Pool Systems

28           d. Sanitary Utilities in Buildings

29                   i. Fire Suppression System

30                   ii. Water Distribution System

31                   iii. Drainage, Waste and Vent System



1 and for the environmental and sanitary engineering technician licensure  
2 examinations; and

3 *b.* The aforementioned Board Members for purposes of this Law shall be  
4 hereinafter referred to as the "Board". They shall be appointed by the President  
5 of the Philippines upon the recommendation of the Chairperson of the  
6 Professional Regulation Commission, from a list of eight (8) nominees for the  
7 Board of the Environmental and Sanitary Engineering. All nominees shall be  
8 endorsed by the duly accredited integrated professional organization of the  
9 Environmental and Sanitary Engineers.

10 *Sec. 8. Qualifications of the Members of the Board.* - A member of the Board  
11 at the time of the appointment, shall possess the following qualifications;

12 *a.* Must be a Filipino citizen and a resident of the Philippines for at least five (5)  
13 years;

14 *b.* At least thirty-five (35) years of age, of good moral character, and of proven  
15 integrity in the personal and professional conduct;

16 *c.* Holder of a degree of Bachelor of Sciences in Environmental and Sanitary  
17 Engineering (BSEnSE) or Bachelor of Science in Sanitary Engineering (BSSE)  
18 from a university, school, college, academy or institute in the Philippines that  
19 is accredited by CHED;

20 *d.* A registered Environmental and Sanitary Engineer or a registered Sanitary  
21 Engineer;

22 *e.* Have practiced Environmental and Sanitary Engineering for a period of not less  
23 than ten (10) years prior to his appointment;

24 *f.* Must neither be an official nor a faculty member, nor shall have pecuniary  
25 interest in any university, college, school or institution conferring bachelor's  
26 degree in environmental and sanitary and engineering for at least three (3)  
27 years prior to the appointment. A person must not be connected with a review  
28 center or with any group or association which offers or conducts review classes  
29 or lectures in preparation for the licensure examinations at the time of  
30 appointment and during their incumbency in the Board.

- 1        *g.* Must not be an incumbent officer of the AIPO of the environmental and sanitary
- 2            engineering; and
- 3        *h.* Must not have been convicted of any offense involving moral turpitude.

4            *Sec. 9. Term of Office.* – A member of the board shall hold office for a term  
5 of three (3) years from the date of appointment, or until their successor shall have  
6 been appointed or qualified. They may, however, be reappointed for the second term  
7 as recommended by their respective accredited professional organization.  
8 Each member shall qualify by taking oath of office before entering the performance of  
9 his duties. Vacancies in the Board shall be filled by the President of the Philippines,  
10 from the list of candidates endorsed by the Chairperson, who were chosen  
11 and recommended from the list of nominees submitted by the accredited  
12 professional organization for the unexpired term and shall continue to hold office for  
13 a term of three (3) years until successor shall have been appointed or qualified. At  
14 the expiration of the term of the Board Chairperson, the most senior of the  
15 Board member shall temporarily assume and perform the duties and functions of  
16 the Chairperson, until a permanent Chairperson is appointed by the President of  
17 the Philippines.

18            *Sec. 10. Compensation and Allowances of the Board Members.* –The members  
19 of the Board shall receive a monthly compensation in accordance with the salaries and  
20 wages stipulated under the PRC Law, provided, that the Chairperson of the Regulatory  
21 Board shall receive a monthly compensation of ten percent (10%) more. Provided,  
22 further, that such compensations shall be increased or modified pursuant to the  
23 General Appropriations Act of the year. Provided, furthermore, that they shall receive  
24 other benefits that may be provided by the Law.

25            *Sec. 11. Supervision of the Board, Custodian of its Records, Secretariat and*  
26 *Support Services.* - The Board shall be under the administrative supervision of the  
27 Commission. All records of the Board, including examination papers, minutes of  
28 deliberation, records of administrative cases and investigations and  
29 examination results shall be for control and disposition of the Commission. The

1 Commission shall designate the secretary of the Board and shall provide secretariat  
2 and other support services to implement the provisions of this Act.

3       *Sec. 12. Powers, Functions and Responsibilities of the Board.* – The Board shall  
4 exercise the following powers, functions and responsibilities:

- 5       a. To promulgate the implementing rules and regulations necessary in carrying  
6       out the provision of this Act;
- 7       b. To regulate the registration, licensure and the practice of environmental and  
8       sanitary engineering, environmental and sanitary engineering technologist, and  
9       environmental and sanitary engineering technician in accordance with the  
10      provisions of this Act;
- 11      c. To issue the certificate of registration and professional identification cards to  
12      successful registrants;
- 13      d. To administer oaths in accordance with the provisions of this Act;
- 14      e. To issue special temporary permit to qualified foreign environmental and  
15      sanitary engineering practitioners, who may be authorized by existing laws to  
16      practice environmental and sanitary engineering in the Philippines for a specific  
17      project and duration of time only;
- 18      f. To monitor the conditions affecting the practice of the environmental and  
19      sanitary engineering profession and, whenever necessary, adopt such  
20      measures deemed proper for the enhancement of the profession and the  
21      maintenance of high professional technical and ethical standards;
- 22      g. To hear and investigate cases arising from violations of this Act, its  
23      Implementing Rules and Regulations (IRR), Code of Ethics, administrative  
24      policies, orders and issuances promulgated by the Board. For this purpose, the  
25      Board shall issue subpoena ad testificandum and/or subpoena ducestecum to  
26      secure the attendance of the respondents or witnesses and the production of  
27      the documents relative to the investigation conducted by the Board;
- 28      h. To hear and investigate the cases filed before the Board where the issue or  
29      question strictly concerns the practice of the professions, in which case, the  
30      hearing shall be presided over by at least one (1) member of the Board assisted  
31      by a Legal or Hearing Officer of the Commission;



- 1 i. To conduct, through the Legal Officers of the Commission, summary  
2 proceeding on minor violations of this Act, its IRR, including the general  
3 instructions to examinees, and render the summary judgement thereon, which,  
4 unless appealed to the Commission, shall become final and executor after  
5 fifteen (15) days from the receipt of the decision;
- 6 j. To suspend, revoke, reissue, or reinstate the certificate of registration and  
7 professional identification card or special temporary permit for causes provide  
8 by this laws;
- 9 k. To prepare, adopt, and issue the syllabi or Tables of Specifications (TOS) of the  
10 subjects for examination, in consultation with CHED or HEIs; determine and  
11 the prepare the questions for the licensure examinations which shall strictly be  
12 within the scope of the syllabus or table of specifications of the subjects for  
13 examination; score and rate the examination papers and submit the results in  
14 all the subjects duly signed by the members of the Board to the Commission  
15 within thirty (30) days from the last day of examination, unless extended for  
16 justifiable cause, and subject to the approval of the Commission;
- 17 l. To prescribe and adopt a Code of Ethics for Environmental and Sanitary  
18 Engineers, Environmental and Sanitary Engineering Technologists and  
19 Environmental and Sanitary Engineering Technicians in consultation with the  
20 AIPO;
- 21 m. To prescribe guidelines in the Continuing Professional Development (CPD)  
22 program and to create the CPD Council with the objective of providing and  
23 ensuring the continuous development of all environmental and sanitary  
24 engineering practitioners;
- 25 n. To adopt an official seal of the Board; and
- 26 o. To perform other functions and duties as may be necessary to implement this  
27 Act. The policies, resolutions, rules and regulations issued or promulgated by  
28 the Board shall be subject to review and approval of the Commission. However,  
29 the Board's decisions, resolutions and orders rendered in administrative cases  
30 shall be subject to review only if on appeal.



1 technologists and environmental and sanitary engineering technicians shall be subject  
2 to payment of fees prescribed by the Commission; Provided, that ninety percent (90%)  
3 of the fees is to be treated as a special fund for the programs, projects and activities  
4 of the Commission, and the remaining ten percent (10%) shall be set aside as trust  
5 fund for the establishment and maintenance of the center for Continuing Professional  
6 Development and research.

7       *Sec. 18. Qualifications of Applicants for the Environmental and Sanitary*  
8 *Engineers Licensure Examinations.* – An applicant for the licensure examination for  
9 environmental and sanitary engineer shall establish to the satisfaction of the Board,  
10 on or before the date of examination, that they possess the following qualifications:

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

20       *Sec. 19. Qualification of Applicants for the Environmental and*  
21 *Sanitary Engineering Technologists Licensure Examination.* – An applicant for the  
22 *licensure examination for environmental and sanitary engineering technologists* shall  
23 establish to the satisfaction of the Board that the following qualifications are met:

- 24       a. A natural born citizen of the Philippines;
- 25       b. Of good reputation and good moral values;
- 26       c. Has not been convicted by the court of any offense involving moral  
27       turpitude; and
- 28       d. A holder of a degree in Bachelor of Environmental and Sanitary Engineering  
29       Technology.

1            *Sec. 20. Qualifications of Applicants for the Environmental and Sanitary*  
2 *Engineering Technicians Licensure Examination* – An applicant for the licensure  
3 examination for an environmental and sanitary engineering technician shall establish  
4 to the satisfaction of the Board that the following qualifications are met:

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

11            *Sec. 21. Registration without Examination.-* Within two (2) years from the  
12 passage of this Act, the following shall be registered without examinations:

13            A. Environmental and Sanitary Engineers – subject to the satisfaction of the  
14 Board and the AIPO, the following shall be registered as Environmental  
15 and Sanitary Engineers:

- 16            i. A natural born citizen of the Philippines;
- 17            ii. Of good reputation with good moral values;
- 18            iii. Has not been convicted by the court of an offense involving moral  
19 turpitude; and
- 20            iv. A holder of a degree of:

21            1. Bachelor of Science in Environmental and Sanitary  
22 Engineering (BSENSE), Bachelor of Science in Sanitary  
23 Engineering (BSSE) or Bachelor of Science in an Allied  
24 Engineering from a university, college, academy or  
25 institute, duly constituted, recognized and accredited by  
26 the Philippine Government with at least ten (10) years of  
27 experience in the fields of specialization under this Act.

28            2. Bachelor of Science in an Allied Engineering with Valid PRC  
29 license and has completed major subjects in Public Health  
30 and Environmental Engineering, following CHED program,

1 from a university, college, academy or institute, duly  
2 constituted, recognized and accredited by the Philippine  
3 Government or from the AIPO and with at least eight (8)  
4 years of experience in the fields of specialization under this  
5 Act, subject to the satisfaction of the Board and the AIPO.

6 3. Master's in Environmental Engineering and has completed  
7 major subjects in Public Health and Environmental  
8 Engineering, following CHED program, from a university,  
9 college, academy or institute, duly constituted, recognized  
10 and accredited by the Philippine Government or from the  
11 AIPO; and with at least eight (8) years of experience in the  
12 fields of specialization under this Act.

13 B. Environmental and Sanitary Engineering Technologies – subject to the  
14 satisfaction of the Board and the AIPO, the following shall be registered  
15 as Environmental and Sanitary Engineering Technologists:

16 i. Sanitary Inspectors who are currently employed in the  
17 government service for at least three (3) years. In addition, they  
18 must have completed any Baccalaureate Degree.

19 ii. Pollution Control Officers who have been actually practicing and  
20 designated as Pollution Control Officers for at least ten (10) years.  
21 In addition, they shall also have completed any Allied  
22 Baccalaureate Degree.

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

27 C. Environmental and Sanitary Engineering Technicians, subject to the  
28 satisfaction of the Board and the AIPO, the following shall be registered  
29 as Environmental and Sanitary Engineering Technicians:

30 i. Sanitary Inspectors who have regular employment as such and  
31 has been in the government service for at least ten (10) years.

- 1                    They shall be Technicians in the field of Public Health and are  
2                    accredited or certified by the DOH
- 3                    ii. Pollution Control Officers who have been in the practice for less  
4                    than ten (10) years and are accredited by the Department of  
5                    Environment and Natural Resources or other government  
6                    agencies authorized to do such.
- 7                    iii. Those who have been actually practicing under the different fields  
8                    of specialization under this Act for at least ten (10) years.

9                    *Sec. 22. Registration Fees, License Fees, Certificate Fees and Fines.* - All  
10                    applicants for registration, certification and licenses to practice shall be subject to  
11                    payment of fees, license fees and fines as prescribed by the Commission.

12                    *Sec. 23. Subjects of the Environmental and Sanitary Engineering*  
13                    *Licensure Examination.* - The Board shall determine the classification of the subjects  
14                    for examinations for Environmental and Sanitary Engineering, Environmental and  
15                    Sanitary Engineering Technologist and Environmental and Sanitary Engineering  
16                    Technicians Licensure Examination and shall cover the following subjects:

- 17                    a) Environmental Engineering;  
18                    b) Environmental Management;  
19                        Public Health Engineering;  
20                        Sanitary Science as Applied to Buildings;  
21                    c) Solid Waste Management;  
22                    d) Wastewater Engineering; and  
23                    e) Water Supply Engineering

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

27                    The Board, subject to the approval of the Commission, may amend or revise  
28                    the subjects, the syllabi, and the system and procedure in the Environmental and

1 Sanitary Engineering, Environmental and Sanitary Engineering Technologist and  
2 Environmental and Sanitary Engineering Technicians Licensure Examination.

3         *Sec. 24. Rating in the Licensure Examination.* - To be qualified as having passed  
4 the licensure examinations for Environmental and Sanitary Engineers, Environmental  
5 and Sanitary Engineering Technologists and Environmental and Sanitary Engineering  
6 Technicians, a candidate must obtain a weighted general average of at least seventy  
7 percent (70%), with no grade lower than fifty percent (50%) in any given subject.  
8 However, an examinee who obtains a weighted general average rating of seventy  
9 percent (70%) or higher, but obtains a rating below fifty percent (50%) in any given  
10 subject, must retake only the examination in the subject or subjects where the grade  
11 obtained is below fifty percent (50%).

12         *Sec. 25. Oath of Environmental and Sanitary Engineering Practitioner.* - All  
13 successful examinees must register and shall take the prescribed professional oath  
14 before any member of the Board or any other authorized official of the Commission  
15 prior to entering the practice of the profession.

16         *Sec. 26. Issuance of the Certificates of Registration and*  
17 *Professional Identification Card.* - The Board and the Commission shall issue a  
18 certificate of registration to a registrant who has met all the requirements for  
19 registration under this Act. The certificate of registration shall bear the full name of  
20 the registrant, the signatures of the Chairperson of the Commission and all Members  
21 of the Board, and the official seals of the Board and the Commission. The certificate  
22 of registration shall be the evidence that the person named therein is entitled to  
23 practice the environmental and sanitary engineering, environmental and sanitary  
24 engineering technology or environmental and sanitary engineering technician  
25 profession, as the case may be, with all the privileges appurtenant thereto.

26         A professional identification card indicating the registration number, and dates  
27 of its issuance and expiry, duly signed by the Commission Chairperson, shall likewise  
28 be issued to a successful registrant. The professional identification card shall be

1 regularly renewed, subject to compliance with the requirements as may be prescribed  
2 by the Board and the Commission.

3       *Sec. 27. Foreign Reciprocity.* - No foreigner shall be admitted to the  
4 licensure examination, or be given a certificate of registration and professional  
5 identification card, or be entitled to any of the rights and privileges under this Act,  
6 unless the requirement for the registration or licensing in said foreign country of state  
7 are substantially the same as those required and contemplated by the laws of the  
8 Philippines, and that the laws of such foreign country of state specifically permits  
9 Filipino environmental and sanitary engineering practitioners to practice within its  
10 territorial limits on the same basis as the subjects or citizens of such foreign country or  
11 State.

12       *Sec.28. Special Temporary Permits.* - The following are required to secure  
13 a special temporary permit from the Board, subject to the approval of the Commission:

- 14       a. Environmental and sanitary engineering practitioners or their equivalent  
15 from other countries called in by the government for consultation and  
16 for a specific project, or both; Provided, that such foreign environmental  
17 and sanitary engineering practitioners are legally qualified to practice  
18 environmental and sanitary engineering or its equivalent in their country  
19 or State.
- 20       b. Foreign consultants specializing in the field of environmental and  
21 sanitary engineering, who, in the judgment of the Board, may benefit  
22 the local practitioners through the transfer of technology: Provided, That  
23 such registrants shall satisfy the following conditions:
- 24           i. That, at the time of engagement, no Filipino environmental and  
25 sanitary engineering practitioner in the country is competent,  
26 available and willing to perform that services for which the  
27 foreigner has been hired; and
- 28           ii. Any particular or specific engagement shall not be in excess of  
29 one (1) year, renewable at the discretion of the Board and the  
30 Commission.



1            *Sec.29. Refusal to Register.* - The Board shall not register any applicant  
2 for registration who suffers from any of the following disqualifications:

- 3            a. Conviction by final judgment by a court of competent jurisdiction of any offense  
4            involving moral turpitude;
- 5            b. Conviction by final judgment in any administrative case involving immorality or  
6            notoriously undesirable conduct;
- 7            c. Adjudged guilty for violation of the General Instructions to Examinees by the  
8            Board;
  - 9                    i. Declared to be of unsound mind by the court of competent  
10                    jurisdiction; or
  - 11                    ii. Proven to be afflicted with addiction to substance/s impairing the  
12                    ability to practice the profession through a finding to this effect  
13                    by a medical or drug testing facility accredited by the  
14                    government.

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

18            *Sec. 30. Suspension and Revocation of the Certificate of Registration and*  
19 *Professional Identification Card or Special Temporary Permit.* – The Board shall have  
20 the power, after due notice and hearing, to suspend a registrant for a period of six (6)  
21 to twelve (12) months, depending on the gravity of the offense or revoke the  
22 certificate of registration and professional identification card and special temporary  
23 permit on any of the following grounds:

24            For Suspension:

- 25            a. Unjustified refusal to join or to remain a member in good standing of the AIPO;
- 26            b. Unjustified or unexplained neglect or failure to pay the PRC annual registration  
27            fees for five (5) consecutive years; and
- 28            c. Unjustified or unexplained non-renewal of the professional identification card  
29            for more than five (5) consecutive years.

1 For Revocation:

- 2 a. Violation of any provision of this Act, its IRR, Code of Ethics, and other policies  
3 and regulatory measures of the Board and the Commission, or both;
- 4 b. Perpetration or use of fraud in obtaining the certificate of registration,  
5 professional identification card or special temporary permit;
- 6 c. Gross incompetence, negligence or ignorance in the practice or exercise of the  
7 profession resulting to death, injury of persons and damage to property;
- 8 d. Aiding or abetting the illegal practice of a person who is not an environmental  
9 and sanitary engineering practitioner by allowing oneself to use the certificate  
10 of registration, professional identification card or special temporary permit,  
11 among others;
- 12 e. Practice of the profession during the suspension from the practice thereof; and
- 13 f. Addiction to drug or alcohol abuse impairing oneself ability to practice the  
14 profession or being declared of unsound mind by a court of competent  
15 jurisdiction.

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

18 *Sec. 31. Filing of Charges.* – The rules on administrative investigation of the  
19 Commission shall govern the filing of charges and the conduct of hearing and  
20 investigation, or both subject to applicable provisions of this Act, R.A. No. 8981  
21 and the Rules of Court.

22 *Sec. 32. Reissuance of Revoked Certificate of Registration, Replacement of Lost*  
23 *or Damaged Certificate of Registration, Professional Identification Card or Special*  
24 *Temporary Permit.* – Suspensions imposed against a registrant shall be automatically  
25 lifted upon expiration of the period indicated in the suspension order. The Board may,  
26 upon petition, reinstate or reissue a revoked certificate of registration after two (2)  
27 years from the effectivity of the revocation, which is reckoned from the date of  
28 surrender of the said certificate of registration and professional identification card, or  
29 both to the Board and the Commission. The Board may not require the holder thereof

1 to take another licensure examination. The petitioner shall prove to the Board that  
2 one has a valid reason to resume the practice of the profession. For the grant of one's  
3 petition, the Board shall issue a Board Resolution, subject to approval by the  
4 Commission.

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

8 *Sec. 33. Use of Seal.*— All environmental and sanitary engineers shall obtain a  
9 seal of such design as the Board shall authorize and direct: Provided, however,  
10 that the certificate of registration number issued by the Board shall be included in  
11 the design of the seal. Plans, specifications, reports and documentations prepared by,  
12 and under the direct supervision of an environmental and sanitary engineer shall  
13 be stamped with such seal during the validity of the latter's certificate of registration.  
14 It shall be unlawful to affix the seal on any document after the environmental  
15 and sanitary engineer's certificate of registration has been revoked, unless such  
16 certificate of registration shall have been renewed or re-issued.

17 *Sec. 34. Display of Certificate of Registration in the Place of Practice.* - The  
18 proprietor or manager of a firm, partnership or association which employs an  
19 environmental and sanitary engineer shall post or cause to be posted in a conspicuous  
20 place within the place of business of the firm, partnership or association, the certificate  
21 of registration of the environmental and sanitary engineer, provided that his terms of  
22 engagement is for the practice of said profession.

23 *Sec. 35. Roster of Sanitary and Environmental Engineering Practitioners.* - The  
24 Commission shall keep a roster of all duly licensed and registered environmental and  
25 sanitary engineers, environmental and sanitary engineering technologists, and  
26 environmental and sanitary engineering technicians, with their names; registration  
27 numbers and places of business. The Commission shall regularly update such roster  
28 and make it available to all interested parties, upon request.



1 *Environmental Engineering Functions.* - Within two (2) years after the approval of this  
2 Act, all provinces, cities and municipalities must appoint an environmental and sanitary  
3 engineer in their respective Provincial, City and Municipal Health Offices, Engineering  
4 Offices and Offices of Building Officials.

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

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

27 Firms, companies, partnerships or associations which are mandated to comply  
28 with environmental and sanitation laws shall have in their employ a registered  
29 Environmental and Sanitary Engineer aided by, as the case may be, Environmental and

1 Sanitary Engineering Technologist/s and/or Environmental and Sanitary Engineering  
2 Technician/s.

3           *Sec.41. Ratio of Environmental and Sanitary Engineers, Environmental and*  
4 *Sanitary Engineering Technologists, and Environmental and Sanitary Engineering*  
5 *Technicians per population of Local Government Units.* - The IRR of this Act shall set  
6 the standard ratio of environmental and sanitary engineers, environmental and  
7 sanitary engineering technologists and environmental and sanitary engineering  
8 technicians per unit of population served in every province, city or municipality.

9           *Sec. 42. Review, Approval and Permitting of Environmental and Sanitary*  
10 *Engineering Works.* - Review, approval and permitting of Environmental and Sanitary  
11 Engineering works, plans, specifications, reports and related documentations shall by  
12 the Department of Health. In cases where the Environmental and Sanitary Engineering  
13 works, plans, reports and related documentations forms part of a work or project  
14 under permitting from the Office of the Building Official, permitting from the Office of  
15 the Official shall be upon endorsement by the Department of Health after its after  
16 review and approval.

17           *Sec. 43. Penal Provision.* - In addition to the administrative sanctions  
18 imposed under this Act, upon conviction, the penalty of imprisonment of not less than  
19 one (1) year but not more than five (5) years, of a fine of not less than One hundred  
20 thousand Pesos (PhP 100,000.00) but not more than Five hundred thousand  
21 Pesos (PhP 500,000.00) or both, at the discretion of the Courts, shall upon conviction  
22 be imposed on a person who commits any of the following acts:

- 23           a. Engaging in the practice of environmental and sanitary engineering in the  
24           Philippines without having been registered or without having conformed with  
25           the provisions of this Act;
- 26           b. Presenting or attempting to use as one's own the certificate of registration or  
27           professional identification card of another environmental and sanitary engineer,  
28           environmental and sanitary engineering technologists or environmental and

- 1 sanitary engineering technician, or special temporary permit of a foreign  
2 environmental and sanitary engineering practitioner;
- 3 c. Submitting any false or forged evidence to the Board for the purpose of  
4 securing a certificate of registration, professional identification card or special  
5 temporary permit, or impersonating any environmental and sanitary  
6 engineering practitioner;
- 7 d. Attempting to use or using a revoked or suspended certificate of registration,  
8 professional identification card or special temporary permit;
- 9 e. Using or advertising any title or description tending to convey the impression  
10 that a person is a environmental and sanitary engineering practitioner even  
11 without a valid certificate of registration, professional identification card or  
12 special temporary permit; or
- 13 f. Violating any of the provisions of this Act.

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

18 *Sec.44. Enforcement of the Act by Officers of the Law.* - The Board and the  
19 Commission shall implement and enforce the provisions of this Act, its IRR, and  
20 whenever warranted, investigate complaints for violations of this Act, its IRR and the  
21 Code of Ethics and Standards for Environmental and Sanitary Engineers,  
22 Environmental and Sanitary Engineering Technologists and Environmental  
23 and Sanitary Engineering Technicians.

24 The National Government, any of its provincial, city or municipal government  
25 or political subdivisions, shall assist in the enforcement of the provisions of this Act.  
26 The Department of Justice shall act as legal adviser of the Board and render such legal  
27 assistance as may be necessary in carrying out provisions of this Act.

28 *Sec. 45. Appropriations.* - The Chairperson of the Commission shall immediately  
29 include in the Commission's programs the implementation of this Act, the funding of

1 which shall be included in the annual General Appropriations Act (GAA). The  
2 amount necessary to carry out the initial implementation of this Act shall be charged  
3 against the current year's appropriations of the Commissions. Thereafter, such sums  
4 as may be necessary for the continued implementation of this Act shall be included in  
5 the succeeding GAA.

6         *Sec.46. Separability Clause.* - If any provision of this Act or the application  
7 thereof is declared unconstitutional or invalid for any reason, the same shall not affect  
8 the validity of the other provisions.

9         *Sec.47. Repealing Clause.* - RA 1364 is deemed repealed and replaced by  
10 this Act. All other professionals governed by their respective professional regulatory  
11 laws (PRLs) shall be allowed to continue their practice as provided for in the respective  
12 PRLs.

13         *Sec. 48. Effectivity.* - This Act shall take effect fifteen (15) days after its  
14 publication in the Official Gazette or in a newspaper of general circulation.

*Approved,*