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LRB9205706LBgcam02

2 AMENDMENT NO. ____. Amend Senate Bill 289 as follows: 3 by replacing everything after the enacting clause with the 4 following:

AMENDMENT TO SENATE BILL 289

5 "Section 5. The Professional Engineering Practice Act of
6 1989 is amended by changing Sections 4, 5, 8, 9, 12, 14, 15,
7 24, and 39 as follows:

8 (225 ILCS 325/4) (from Ch. 111, par. 5204)

Sec. 4. Definitions. As used in this Act:

10 (a) "Approved engineering curriculum" means an 11 engineering curriculum <u>or program</u> of 4 academic years or more 12 which meets the standards established by the rules of the 13 Department.

14 (b) "Board" means the State Board of Professional
15 Engineers of the Department of Professional Regulation,
16 previously known as the Examining Committee.

17 (c) "Department" means the Department of Professional18 Regulation.

19 (d) "Design professional" means an architect, structural 20 engineer or professional engineer practicing in conformance 21 with the Illinois Architecture Practice Act of 1989, the -2-

Structural Engineering Practice Act of 1989 or the
 Professional Engineering Practice Act of 1989.

3 (e) "Director" means the Director of Professional4 Regulation.

5 (f) "Direct supervision/responsible charge" means work 6 prepared under the control of a licensed professional 7 engineer or that work as to which that professional engineer 8 has detailed professional knowledge.

9 (g) "Engineering college" means a school, college, 10 university, department of a university or other educational 11 institution, reputable and in good standing in accordance 12 with rules prescribed by the Department, and which grants 13 baccalaureate degrees in engineering.

14 (h) "Engineering system or facility" means a system or 15 facility whose design is based upon the application of the 16 principles of science for the purpose of modification of 17 natural states of being.

(i) "Engineer intern" means a person who is a candidate
for licensure as a professional engineer and who has been
enrolled as an engineer intern.

(j) "Enrollment" means an action by the Department to record those individuals who have met the Board's requirements for an engineer intern.

(k) "License" means an official document issued by the Department to an individual, a corporation, a partnership, a professional service corporation, a limited liability company, or a sole proprietorship, signifying authority to practice.

(1) "Negligence in the practice of professional engineering" means the failure to exercise that degree of reasonable professional skill, judgment and diligence normally rendered by professional engineers in the practice of professional engineering.

34 (m) "Professional engineer" means a person licensed

under the laws of the State of Illinois to practice
 professional engineering.

3 (n) "Professional engineering" means the application of 4 science to the design of engineering systems and facilities 5 using the knowledge, skills, ability and professional 6 judgment developed through professional engineering 7 education, training and experience.

8 (o) "Professional engineering practice" means the 9 consultation on, conception, investigation, evaluation, planning, and design of, and selection of materials and 10 11 methods to be used in, administration of construction 12 contracts for, or site observation of, an engineering system 13 or facility, where such consultation, conception, investigation, evaluation, planning, design, selection, 14 administration, or observation requires extensive knowledge 15 16 of engineering laws, formulae, materials, practice, and construction methods. A person shall be construed to 17 practice or offer to practice professional engineering, 18 within the meaning and intent of this Act, who practices, or 19 who, by verbal claim, sign, advertisement, letterhead, card, 20 21 or any other way, is represented to be a professional 22 engineer, or through the use of the initials "P.E." or the 23 title "engineer" or any of its derivations or some other title implies licensure as a professional engineer, or holds 24 25 himself out as able to perform any service which is recognized as professional engineering practice. 26

Examples of the practice of professional engineering 27 include, but need not be limited to, transportation 28 29 facilities and publicly owned utilities for a region or 30 community, railroads, railways, highways, subways, canals, harbors, river improvements; irrigation works; aircraft, 31 32 airports and landing fields; waterworks, piping systems and 33 appurtenances, sewers, sewage disposal works; plants for the generation of power; devices for the utilization of power; 34

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1 boilers; refrigeration plants, air conditioning systems and 2 plants; heating systems and plants; plants for the transmission or distribution of power; electrical plants 3 4 which produce, transmit, distribute, or utilize electrical 5 energy; works for the extraction of minerals from the earth; б plants for the refining, alloying or treating of metals; 7 chemical works and industrial plants involving the use of 8 chemicals and chemical processes; plants for the production, 9 conversion, or utilization of nuclear, chemical, or radiant energy; forensic engineering, geotechnical engineering 10 11 including, subsurface investigations; soil classification, geology and geohydrology, incidental to the practice of 12 13 professional engineering; energy analysis, environmental design, hazardous waste mitigation and control; recognition, 14 15 measurement, evaluation and control of environmental systems 16 and emissions; automated building management systems; or the provision of professional engineering site observation of the 17 construction of works and engineering systems. 18 Nothing 19 contained in this Section imposes upon a person licensed under this Act the responsibility for the performance of any 20 of the foregoing functions unless such person specifically 21 22 contracts to provide it.

(p) "Project representative" means the professional engineer's representative at the project site who assists in the administration of the construction contract.

26 (q) "Registered" means the same as "licensed" for 27 purposes of this Act.

"Related science curriculum" means a 4 year program 28 (r) 29 study, the satisfactory completion of which results in a of 30 Bachelor of Science degree, and which contains courses from such areas as life, earth, engineering and computer sciences, 31 32 including but not limited to, physics and chemistry. In the study of these sciences, the objective is to 33 acquire 34 fundamental knowledge about the nature of its phenomena,

including quantitative expression, appropriate to particular
 fields of engineering.

3 (s) "Rules" means those rules promulgated pursuant to 4 this Act.

5 (t) "Seal" means the seal in compliance with Section 14 6 of this Act.

7 (u) "Site observation" is visitation of the construction 8 site for the purpose of reviewing, as available, the quality 9 and conformance of the work to the technical submissions as 10 they relate to design.

11 (v) "Support design professional" means a professional 12 engineer practicing in conformance with the Professional 13 Engineering Practice Act of 1989, who provides services to 14 the design professional who has contract responsibility.

(w) "Technical submissions" means designs, drawings, and specifications which establish the standard of quality for materials, workmanship, equipment, and the construction systems, studies, and other technical reports prepared in the course of a design professional's practice.

20 (Source: P.A. 91-91, eff. 1-1-00; 91-92, eff. 1-1-00; revised 21 10-7-99.)

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(225 ILCS 325/5) (from Ch. 111, par. 5205)

23 Sec. 5. Powers and duties of the Department. Subject to 24 the provisions of this Act, the Department shall exercise the 25 following functions, powers and duties:

26 (a) To pass upon the qualifications and conduct
27 examinations of applicants for licensure as professional
28 engineers or enrollment as engineer interns and pass upon
29 the qualifications of applicants by endorsement and issue
30 a license or enrollment to those who are found to be fit
31 and qualified.;

32 (b) To prescribe rules for the method, conduct and
33 grading of the examination of applicants.;

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1 (c) To license corporations, partnerships, 2 professional service corporations, limited liability 3 companies, and sole proprietorships for the practice of 4 professional engineering and issue a license to those who 5 qualify.;

6 (d) To conduct investigations and hearings
7 regarding violations of this Act and take disciplinary or
8 other actions as provided in this Act as a result of the
9 proceedings.;

10 (e) To prescribe rules as to what shall constitute 11 an engineering or related science curriculum and to 12 determine if a specific engineering curriculum is in 13 compliance with the rules, and to terminate the approval 14 of a specific engineering curriculum for non-compliance 15 with such rules.;

16 (f) To promulgate rules required for the 17 administration of this Act, including rules of 18 professional conduct.;

19 (g) To maintain membership in the National Council for 20 of Examiners Engineering and Surveying and 21 participate in activities of the Council by designation individuals for the various 22 of classifications of 23 membership, the appointment of delegates for attendance at zone and national meetings of the Council, and the 24 25 funding of the delegates for attendance at the meetings of the Council. *i*-and 26

(h) To obtain written recommendations from 27 the Board regarding qualifications of individuals 28 for and enrollment, definitions of curriculum 29 licensure 30 content and approval of engineering curricula, standards of professional conduct and formal disciplinary actions, 31 and the promulgation of the rules affecting these 32 33 matters.

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Prior to issuance of any final decision or order

1 that deviates from any report or recommendations of the 2 Board relating to the qualification of applicants, discipline of licensees or registrants, or promulgation 3 4 of rules, the Director shall notify the Board in writing with an explanation of any such deviation and provide a 5 reasonable time for the Board to submit written comments 6 7 to the Director regarding the proposed action. In the event that the Board fails or declines to submit such 8 9 written comments within 30 days of said notification, the Director may issue a final decision or orders consistent 10 11 with the Director's original decision. The Department 12 may at any time seek the expert advice and knowledge of 13 the Board on any matter relating to the enforcement of this Act. 14

15 (i) To publish and distribute or to post on the Department's website, at least semi-annually, a 16 newsletter to all persons licensed and registered under 17 this Act. The newsletter shall describe the most recent 18 19 changes in this Act and the rules adopted under this Act and shall contain information of any final disciplinary 20 21 action that has been ordered under this Act since the 22 date of the last newsletter.

23 None of the functions, powers or duties enumerated in 24 this Section shall be exercised by the Department except upon 25 the action and report in writing of the Board.

26 (Source: P.A. 91-92, eff. 1-1-00.)

27 (225 ILCS 325/8) (from Ch. 111, par. 5208)

28 Sec. 8. Applications for licensure.

(a) Applications for licensure shall (1) be on forms
prescribed and furnished by the Department, (2) contain
statements made under oath showing the applicant's education
and a detailed summary of the applicant's technical work, and

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(3) contain references as required by the Department.

2 (b) Applicants shall have obtained the education and 3 experience as required in Section 10 or Section 11 prior to 4 submittal of application for examination, except as provided 5 in subsection (b) of Section 11. Allowable experience shall 6 commence at the date of the baccalaureate degree, except:

7 (1) Credit for one year of experience shall be 8 given for a graduate of a baccalaureate curriculum 9 providing a cooperative program, which is supervised 10 industrial or field experience of at least one academic 11 year which alternates with periods of full-time academic 12 training, when such program is certified by the 13 university, or

(2) <u>Partial</u> credit <u>may</u> shall be given for 14 15 professional engineering experience as defined by rule 16 for employment prior to receipt of a baccalaureate degree if the employment is full-time while the applicant is 17 takes-8-or--more--years--(16--semesters--or--24--quarters 18 minimum) as a part-time student taking fewer than 12 19 hours per semester or 8 hours per quarter to earn the 20 degree concurrent with the full-time engineering 21 22 experience employment.

23 (3) If an applicant files an application and 24 supporting documents containing a material misstatement 25 of information or a misrepresentation for the purpose of obtaining licensure or enrollment or if an applicant 26 27 performs any fraud or deceit in taking any examination to qualify for licensure or enrollment under this Act, the 28 29 Department may issue a rule of intent to deny licensure 30 or enrollment and may conduct a hearing in accordance with Sections 26 through 33 and Sections 37 and 38 of 31 <u>this Act.</u> 32

33 The Board may conduct oral interviews of any applicant 34 under Sections 10, 11, or 19 to assist in the evaluation of

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1 the qualifications of the applicant.

2 It is the responsibility of the applicant to supplement the application, when requested by the Board, by provision of 3 4 additional documentation of education, including transcripts, 5 course content and credentials of the engineering college or 6 college granting related science degrees, or of work 7 experience to permit the Board to determine the 8 qualifications of the applicant. The Department may require 9 an applicant, at the applicant's expense, to have an evaluation of the applicant's education in a foreign country 10 11 by a nationally recognized educational body approved by the 12 Board in accordance with rules prescribed by the Department.

An applicant who graduated from an engineering program outside the United States or its territories and whose first language is not English shall submit certification of passage of the Test of English as a Foreign Language (TOEFL) and the Test of Spoken English (TSE) as defined by rule.

18 (Source: P.A. 91-92, eff. 1-1-00.)

19 (225 ILCS 325/9) (from Ch. 111, par. 5209)

20 Sec. 9. Licensure qualifications; Examinations; Failure 21 or refusal to take examinations. Examinations provided for 22 by this Act shall be conducted under rules prescribed by the 23 Department. Examinations shall be held not less frequently 24 than semi-annually, at times and places prescribed by the 25 Department, of which applicants shall be notified by the 26 Department in writing.

Beginning on or before January 1, 2005, a principles of
 practice examination in Software Engineering shall be offered
 to applicants.

30 Examinations of the applicants who seek to practice 31 professional engineering shall ascertain: (a) if the 32 applicant has an adequate understanding of the basic and 33 engineering sciences, which shall embrace subjects required

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1 of candidates for an approved baccalaureate degree in 2 engineering, and (b) if the training and experience of the applicant have provided a background for the application of 3 4 the basic and engineering sciences to the solution of 5 engineering problems. The Department may by rule prescribe 6 additional subjects for examination. If an applicant 7 neglects, fails without an approved excuse, or refuses to 8 take the next available examination offered for licensure 9 under this Act within 3 years after filing the application, the fee paid by the applicant shall be forfeited and the 10 11 application denied. If an applicant fails to pass an examination for licensure under this Act within 3 years after 12 filing the application, the application shall be denied. 13 However, such applicant may thereafter make a new application 14 15 for examination, accompanied by the required fee.

16 (Source: P.A. 88-595, eff. 8-26-94.)

17 (225 ILCS 325/12) (from Ch. 111, par. 5212)

18 Sec. 12. Educational credits or teaching as equivalent 19 of experience.

20 (a) After earning an acceptable baccalaureate degree as 21 required by subsection (a) or (b) of Section 10 in 22 engineering or related science and upon completion of а Master's degree in engineering, the applicant may receive one 23 24 year of experience credit. Upon completion of a Ph.D. in 25 engineering, an applicant may receive an additional year experience credit for a maximum of 2 years. 26

(b) Teaching engineering subjects in an engineering
college <u>at a rank of instructor or above</u> is considered
experience in engineering.

30 (c) (Blank).

31 (Source: P.A. 91-92, eff. 1-1-00.)

32 (225 ILCS 325/14) (from Ch. 111, par. 5214)

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1 Sec. 14. Seal. Every professional engineer shall have a 2 seal or stamp, the print of which shall be reproducible and the professional engineer, 3 contain the name of the 4 professional engineer's license number, and the words 5 "Licensed Professional Engineer of Illinois". Any reproducible stamp heretofore authorized under the laws 6 of 7 this state for use by a professional engineer, including 8 those with the words "Registered Professional Engineer of 9 Illinois", shall serve the same purpose as the seal provided for by this Act. When technical submissions are prepared 10 11 utilizing a computer or other electronic means, the seal may 12 be generated by the computer. Signatures generated by 13 computer shall not be permitted.

The-professional-engineer-who-has-contract-responsibility 14 15 shall-seal-a-cover-sheet-of-the--technical--submissions,--and 16 those--individual--portions--of-the-technical-submissions-for 17 which-the-professional-engineer-is-legally-and-professionally responsible.--The-professional--engineer--practicing--as--the 18 19 support--design--professional--shall--seal--those--individual portions--of-technical-submissions-for-which-the-professional 20 21 engineer-is-legally-and-professionally-responsible.

22 The use of a professional engineer's seal on technical 23 submissions constitutes a representation by the professional engineer that the work has been prepared by or under the 24 25 supervision of the professional engineer or personal developed in conjunction with the use of accepted engineering 26 standards. The use of the seal further represents that the 27 work has been prepared and administered in accordance with 28 29 the standards of reasonable professional skill and diligence.

30 It is unlawful to affix one's seal to technical 31 submissions if it masks the true identity of the person who 32 actually exercised direction, control and supervision of the 33 preparation of such work. A professional engineer who seals 34 and signs technical submissions is not responsible for damage

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1 caused by subsequent changes to or uses of those technical 2 submissions, where the subsequent changes or uses, including 3 changes or uses made by State or local governmental agencies, 4 are not authorized or approved by the professional engineer 5 who originally sealed and signed the technical submissions. 6 (Source: P.A. 91-92, eff. 1-1-00.)

7 (225 ILCS 325/15) (from Ch. 111, par. 5215)

8 15. Technical submissions. All technical Sec. submissions prepared by or under the personal supervision of 9 10 a professional engineer shall bear that professional engineer's seal, signature, and license expiration date. The 11 licensee's written signature and date of signing, along with 12 the date of license expiration, shall be placed adjacent to 13 14 the seal. Computer generated signatures are not permitted. 15 The professional engineer who has contract responsibility 16 shall seal a cover sheet of the technical submissions, and 17 those individual portions of the technical submissions for which the professional engineer is legally and professionally 18 responsible. The professional engineer practicing as the 19 support design professional shall seal those individual 20 21 portions of technical submissions for which the professional engineer is legally and professionally responsible. 22

technical submissions 23 All intended for use in 24 construction in the State of Illinois shall be prepared and administered in accordance with standards of reasonable 25 26 professional skill and diligence. Care shall be taken to reflect the requirements of State statutes and, 27 where 28 applicable, county and municipal ordinances in such 29 documents. In recognition that professional engineers are licensed for the protection of the public health, safety and 30 welfare, documents shall be of such quality and scope, and be 31 so administered as to conform to professional standards. 32

33 (Source: P.A. 91-92, eff. 1-1-00.)

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(225 ILCS 325/24) (from Ch. 111, par. 5224)

Sec. 24. Rules of professional conduct; disciplinary <u>or</u>
 <u>administrative</u> action.

4 (a) The Department shall adopt rules setting standards
5 of professional conduct and establish appropriate penalty for
6 the breach of such rules.

7 <u>(a-1)</u> The Department may, singularly or in combination, 8 refuse to issue, restore, or renew a license or registration, 9 revoke or suspend a license or registration, or place on 10 probation, reprimand, or impose a civil penalty not to exceed 11 \$10,000 upon any person, corporation, partnership, or 12 professional design firm licensed or registered under this 13 Act for any one or combination of the following:

14 (1) Material misstatement in furnishing information15 to the Department.

16 (2) Failure to comply with any provisions of this17 Act or any of its rules.

(3) Conviction of any crime under the laws of the
United States, or any state or territory thereof, which
is a felony, whether related to practice or not, or
conviction of any crime, whether a felony, misdemeanor,
or otherwise, an essential element of which is dishonesty
or which is directly related to the practice of
engineering.

(4) Making any misrepresentation for the purpose of
obtaining licensure, or in applying for restoration or
renewal; or practice of any fraud or deceit in taking any
examination to qualify for licensure under this Act.

29 (5) Purposefully making false statements or signing
30 false statements, certificates, or affidavits to induce
31 payment.

32 (6) Negligence, incompetence or misconduct in the
 33 practice of professional engineering as a licensed
 34 professional engineer or in working as an engineer

1 intern.

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(7) Aiding or assisting another person in violating any provision of this Act or its rules.

4 (8) Failing to provide information in response to a
5 written request made by the Department within 30 days
6 after receipt of such written request.

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7 (9) Engaging in dishonorable, unethical or
8 unprofessional conduct of a character likely to deceive,
9 defraud or harm the public.

10 (10) Habitual intoxication or addiction to the use 11 of drugs.

(11) Discipline by the United States Government, another state, District of Columbia, territory, foreign nation or government agency, if at least one of the grounds for the discipline is the same or substantially equivalent to those set forth in this Act.

17 (12) Directly or indirectly giving to or receiving 18 from any person, firm, corporation, partnership or 19 association any fee, commission, rebate or other form of 20 compensation for any professional services not actually 21 or personally rendered.

(13) A finding by the Board that an applicant or
registrant has failed to pay a fine imposed by the
Department, a registrant whose license has been placed on
probationary status has violated the terms of probation,
or a registrant has practiced on an expired, inactive,
suspended, or revoked license.

(14) Signing, affixing the professional engineer's
seal or permitting the professional engineer's seal to be
affixed to any technical submissions not prepared as
required by Section 14 or completely reviewed by the
professional engineer or under the professional
engineer's direct supervision.

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(15) Physical illness, including but not limited to

deterioration through the aging process or loss of motor
 skill, which results in the inability to practice the
 profession with reasonable judgment, skill or safety.

4 (16) The making of a statement pursuant to the 5 Environmental Barriers Act that a plan for construction 6 or alteration of a public facility or for construction of 7 a multi-story housing unit is in compliance with the 8 Environmental Barriers Act when such plan is not in 9 compliance.

(17) Failing to file a return, or to pay the tax, 10 11 penalty or interest shown in a filed return, or to pay any final assessment of tax, penalty or interest as 12 required by a tax Act administered by the 13 Illinois of Revenue, until 14 Department such time as the requirements of any such tax Act are satisfied. 15

16 (a-5) In enforcing this Section, the Board upon a showing of a possible violation may compel a person licensed 17 to practice under this Act, or who has applied for licensure 18 or certification pursuant to this Act, to submit to a mental 19 or physical examination, or both, as required by and at the 20 expense of the Department. The examining physicians shall be 21 22 those specifically designated by the Board. The Board or the 23 Department may order the examining physician to present testimony concerning this mental or physical examination of 24 25 the licensee or applicant. No information shall be excluded by reason of any common law or statutory privilege relating 26 to communications between the licensee or applicant and the 27 examining physician. The person to be examined may have, 28 at his or her own expense, another physician of his or her 29 30 choice present during all aspects of the examination. Failure of any person to submit to a mental or physical 31 examination, when directed, shall be grounds for suspension 32 a license until the person submits to the examination if 33 of the Board finds, after notice and hearing, that the refusal 34

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to submit to the examination was without reasonable cause.

2 If the Board finds a person unable to practice because of the reasons set forth in this Section, the Board may require 3 4 that person to submit to care, counseling, or treatment by physicians approved or designated by the Board as a 5 6 condition, term, or restriction for continued, reinstated, or 7 renewed licensure to practice; or, in lieu of care, 8 counseling, or treatment, the Board may recommend to the Department to file a complaint to immediately suspend, 9 revoke, or otherwise discipline the license of the person. 10 11 Any person whose license was granted, continued, reinstated, 12 renewed, disciplined, or supervised subject to such terms, conditions, or restrictions and who fails to comply with such 13 terms, conditions, or restrictions shall be referred to the 14 15 Director for a determination as to whether the person shall 16 have his or her license suspended immediately, pending a hearing by the Board. 17

The determination by a circuit court 18 (b) that а 19 registrant is subject to involuntary admission or judicial admission as provided in the Mental Health and Developmental 20 21 Disabilities Code, as now or hereafter amended, operates as 22 an automatic suspension. Such suspension will end only upon 23 a finding by a court that the patient is no longer subject to involuntary admission or judicial admission, the issuance of 24 25 an order so finding and discharging the patient, and the recommendation of the Board to the Director that the 26 registrant be allowed to resume practice. 27

(Source: P.A. 91-92, eff. 1-1-00.) 28

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(225 ILCS 325/39) (from Ch. 111, par. 5239)

Sec. 39. Violations. 30

Using or attempting to use an expired license or 31 (a) 32 registration is a Class A misdemeanor.

33 (b) Each of the following acts is a Class A misdemeanor 1 for the first offense and a Class 4 Felony for a second or 2 subsequent offense:

3 (1) A violation of any provision of this Act or its
4 rules, except as noted in subsection (a) or (c) of this
5 Section;

6 (2) The making of any wilfully false oath or 7 affirmation in any matter or proceeding where an oath or 8 affirmation is required by this Act;

9 (3) Using or attempting to use an inactive, 10 suspended, or revoked license or the license or seal of 11 another, or impersonating another licensee, or practicing 12 professional engineering while one's license is inactive, 13 suspended, or revoked;

(4) The practice, attempt to practice, or offer to 14 15 practice professional engineering without a license as a 16 licensed professional engineer, with each day of 17 practicing professional engineering, or attempting to practice professional engineering, and each instance of 18 offering to practice professional engineering without a 19 license as a licensed professional engineer constituting 20 21 a separate offense;

22 (5) Advertising or displaying any sign or card or 23 other device which might indicate to the public that the person or entity is entitled to 24 practice as а professional engineer, or using the initials "P.E.", or 25 using the title "engineer" or any of its derivations, 26 person holds an active license as a 27 unless such professional engineer in the State of Illinois, or such 28 29 professional service corporation, corporation, 30 partnership, sole proprietorship, professional design firm, limited liability company, or other entity is in 31 compliance with Section 23 of this Act; or 32

33 (6) Obtaining or attempting to obtain a license by34 fraud.

(c) A violation of paragraphs (3), (6), (10), (11),
 (15), or (17) of subsection (a-1) (a) of Section 24 is not
 subject to the penalty provisions of this Section.
 (Source: P.A. 88-428; 88-595, eff. 8-26-94; 89-61, eff.

5 6-30-95)".