

1.1 **Minnesota Board of Architecture, Engineering, Land Surveying, Landscape**
1.2 **Architecture, Geoscience and Interior Design**

1.3 **Proposed Permanent Rules Relating to Examination Procedures and Housekeeping**
1.4 **Changes**

1.5 **1800.0200 CLASSES OF LICENSEES.**

1.6 There shall be three classes of licensees as follows:

1.7 A. Class 1: those who were licensed without examination:

1.8 (1) prior to July 1, 1933; or

1.9 (2) by exemptions after 1933; ~~or~~

1.10 (3) ~~pursuant to Minnesota Statutes,~~

~~section 326.10, subdivision 1, paragraph (b);~~

1.11 ~~as it applies to geoscientists who seek licensure within one year after August 4, 1997.~~

1.12 [For text of items B and C, see M.R.]

1.13 **1800.0300 IN-TRAINING CLASSIFICATIONS.**

1.14 There shall be a classification of engineer-in-training, a classification of land
1.15 surveyor-in-training, a classification of geologist-in-training, and a classification of
1.16 soil scientist-in-training. For examination of engineer-in-training see parts 1800.2500
1.17 to 1800.2900, for examination of land surveyor-in-training see parts 1800.3505 to
1.18 1800.3850, for examination of geologist-in-training see parts 1800.3900 to 1800.3930,
1.19 and for examination of soil scientist-in-training see parts 1800.3900 to 1800.3930.

1.20 **1800.0400 APPLICATION FOR EXAMINATION, LICENSURE, AND**
1.21 **CERTIFICATION.**

1.22 Subpart 1. **Forms and filing.** Applications for examination, licensure₂, or certification
1.23 shall be under oath and made on forms prescribed and furnished by the board and
1.24 shall be filed with the Board of Architecture, Engineering, Land Surveying, Landscape
1.25 Architecture, Geoscience, and Interior Design and accompanied by payment of the

1.26 ~~examination~~ application fee as specified in ~~part 1800.0500, subpart 1~~ Minnesota Statutes,
2.1 section 326.105. Applications for certification as a certified interior designers designer
2.2 shall be filed following passage of the applicant's National Council for Interior Design
2.3 Qualification (NCIDQ) examination or meeting the requirements outlined in part
2.4 1800.0800 or 1800.2100, subpart 5. Applications for licensure as a landscape architect
2.5 shall be filed following the applicant's successful passage of the Council of Landscape
2.6 Architectural Registration Board (CLARB) professional examination or meeting the
2.7 requirements in part 1800.0800.

2.8 Subp. 1a. **Information required.** The applicant shall submit to the board, on a form
2.9 prescribed by the board, the following information relative to:

2.10 A. place and date of birth;

2.11 B. time and place of schools attended and studies completed;

2.12 C. status relative to graduation from such schools or completion of studies;

2.13 D. final official transcript showing the ~~date of award of the degree or degrees~~
2.14 received awarded and date of graduation;

2.15 E. for engineer, land surveyor, geologist, and soil scientist applicants, whether
2.16 the Fundamentals of Engineering (FE), Fundamentals of ~~Land Surveying (FLS)~~ (FS),
2.17 geologist-in-training, or soil scientist-in-training examination has been successfully
2.18 completed;

2.19 F. for landscape architect applicants,
whether the Landscape Architect Registration
2.20 Examination (LARE) has been successfully completed;

2.21 G. for certified interior designer applicants, whether the written examination
2.22 administered by the National Council for Interior Design Qualification (NCIDQ) has
2.23 been successfully completed; ~~and~~

3.1 H. a record of personal employment, with all dates and with complete information
3.2 relative to duties and type of work performed, and particularly outlining the applicant's
3.3 responsibilities in charge of the whole or any part thereof; and

3.4 I. a signed copy of a statement that the applicant has read the Board Rules of
3.5 Professional Conduct.

3.6 [For text of subp 2, see M.R.]

3.7 Subp. 3. **In-training application.**

3.8 A. Applications for examination as
engineer-in-training or land surveyor-in-training
3.9 shall be made under oath ~~and~~₂ on forms prescribed and furnished by the board₂ and shall
3.10 ~~be filed with the executive secretary of the board at least 75 days before the date set for~~
3.11 ~~the fundamentals examination accompanied by the application and examination fees~~ fee
3.12 as specified in part 1800.0500, subpart 1.

3.13 B. Applications for examination as
geologist-in-training or soil scientist-in-training
3.14 shall be made under oath ~~and~~₂ on forms prescribed and furnished by the board₂ and shall
3.15 ~~be filed with the executive secretary of the board at least 60 days before the date set for~~
3.16 ~~the fundamentals examination accompanied by the application and examination fees~~ fee
3.17 as specified in part 1800.0500, subpart 1.

3.18 **1800.0500 FEES.**

3.19 Subpart 1. **Requirements.** Application for examination as an architect, professional
3.20 engineer, land surveyor, professional geologist, or professional soil scientist shall be
3.21 accompanied by ~~a fee in the amount established by the applicable national testing agency,~~
3.22 ~~and an application fee and examination monitoring fee~~ as provided by Minnesota Statutes,
3.23 section 326.105. ~~The actual fee for examination as an architect shall be paid to the~~

3.24 ~~national testing agency in a manner it prescribes.~~ The board shall charge, or provide for a
 4.1 third party to charge, each applicant a fee for examination and an examination monitoring
 4.2 fee as provided by Minnesota Statutes, section 326.105.

4.3 Following an applicant's completion of the requirements for licensure, the board shall
 4.4 supply the applicant with an application for licensure as an architect, professional engineer,
 4.5 land surveyor, landscape architect, professional geologist, or professional soil scientist,
 4.6 which the applicant shall include complete and return with the initial fee for licensure as
 4.7 provided by Minnesota Statutes, section 326.105. Following an applicant's completion of
 4.8 the requirements for certification, the board shall supply the applicant with an application
 4.9 for certification as a certified interior designer, which the applicant shall include complete
 4.10 and return with the initial fee for certification as provided by Minnesota Statutes, section
 4.11 326.105. Comity Applicants applying for licensure by comity under part 1800.0800, item
 4.12 F, G, H, or I, ~~or J~~, shall pay an application fee under subpart 7, item A. Upon approval by the
 4.13 board, an applicant for licensure as a land surveyor by comity under part 1800.0800, item
 4.14 H G, shall submit an examination fee in the amount established by the local testing agency
 4.15 and an examination monitoring fee as provided in Minnesota Statutes, section 326.105.

4.16 ~~As provided in Minnesota Statutes, section 326.105,~~ An application for renewal of
 4.17 licensure as an architect, professional engineer, land surveyor, landscape architect,
 4.18 professional geologist, professional soil scientist, or ~~for~~ certification as a certified interior
 4.19 designer shall be accompanied by a renewal fee as provided in Minnesota Statutes, section
 4.20 326.105.

4.21 ~~As provided in Minnesota Statutes, section 326.105,~~ An applicant application for
 4.22 examination as an engineer-in-training, land surveyor-in-training, geologist-in-training,
 4.23 or soil scientist-in-training shall be accompanied by ~~an examination fee in the amount~~
 4.24 ~~established by the applicable national testing agency, an application fee, and an~~
 4.25 examination monitoring fee as provided in Minnesota Statutes, section 326.105. Upon
 4.26 approval by the board, an applicant for an examination administered by the board shall pay

4.27 to the board a fee in the amount established by the applicable national testing agency and
5.1 an examination monitoring fee as provided by Minnesota Statutes, section 326.105. For
5.2 examinations administered by a third-party vendor, the actual fee for examination shall
5.3 be paid to the national testing agency in a manner it prescribes. Information concerning
5.4 the current examination fee charged by the applicable national testing agency may be
5.5 obtained by contacting the board offices.

5.6 For applicants who are found to be ineligible for admission to the examination or fail
5.7 the examination, a new application for examination, in such instances, may be filed at any
5.8 time after the lapse of six months next succeeding the date of the previous rejection. A
5.9 reexamination application shall be submitted each time the applicant applies to take the
5.10 examination except as provided in subpart 2.

5.11 Subp. 2. **Refunds; validity of application.** Application fees are not refundable.
5.12 Examination, licensure, or certification fees shall not be refunded except for those
5.13 circumstances when an applicant does not meet required qualifications. ~~In those~~
5.14 ~~circumstances, the board shall retain a \$20 administrative fee.~~ An applicant who fails to
5.15 appear for examination, cancels, or fails to cooperate with requests for submission of
5.16 written correspondence or documentation to the board relevant to the application within
5.17 three years shall submit a new application with ~~a new~~ the appropriate fee for application,
5.18 examination, licensure, or certification fee.

5.19 Subp. 3. [Repealed, L 1999 c 213 s 5]

5.20 Subp. 4. **Delayed renewal fee.** A renewal fee is a delayed renewal fee within the
5.21 meaning of Minnesota Statutes, section 326.10, subdivision ~~5~~ 9, if it is not postmarked
5.22 on or before June 30 of the year specified in Minnesota Statutes, section 326.105. The
5.23 delayed renewal fee is \$30 for the first three months of the lapsed period and \$60 for
5.24 months four to 24. ~~A licensee who was originally licensed by examination by the board~~
5.25 ~~and who permits the license to lapse for more than two years must retake the appropriate~~

5.26 ~~professional licensing examination unless exempted by the board.~~ The delayed renewal
6.1 fee is computed from July 1 of any even-numbered year and is in addition to the renewal
6.2 fee provided in Minnesota Statutes, section 326.105.

6.3 Subp. 5. [Repealed, 22 SR 90]

6.4 Subp. 6. [Repealed, 22 SR 90]

6.5 Subp. 7. **Additional fees.** In addition to all other fees for examination, licensure, or
6.6 certification, as provided in this part or Minnesota Statutes, section 326.10, subdivision 1,
6.7 the following schedule of fees is applicable:

6.8 [For text of item A, see M.R.]

6.9 B. for reissuance of a revoked, lost, destroyed, duplicated, or mutilated
6.10 certificate of licensure or certificate as ~~an engineer-in-training, land surveyor-in-training,~~
6.11 ~~geologist-in-training, soil scientist-in-training,~~ or a certified interior designer, \$25;

6.12 [For text of items C and D, see M.R.]

6.13 E. an applicant for examination in more than one branch of engineering shall
6.14 submit a separate examination fee for each additional branch of engineering for which the
6.15 applicant has applied for examination; and

6.16 F. ~~for each application for licensure within a geoscience discipline by submission~~
6.17 ~~of records under Minnesota Statutes, section 326.10, subdivision 1, paragraph (b), a fee of~~
6.18 ~~\$100; and~~

6.19 GF. for retaking all or any part of any examination for certification or licensure,
6.20 the fee shall be established by the national testing agency.

6.21 **1800.0800 PROOF OF QUALIFICATION TO PRACTICE.**

6.22 An applicant shall submit evidence to the board indicating that the applicant is qualified
6.23 to practice in the profession or field of major practice in which the applicant seeks
6.24 licensure or certification. The burden of proof is upon the applicant who should make

7.1 every effort to present qualifications fully and clearly. Qualifications shall be established
7.2 by one or more of the following methods:

7.3 [For text of items A to E, see M.R.]

7.4 F. for licensure by comity as an architect, engineer, or landscape architect ~~under,~~
7.5 by submitting documentation of completion of the requirements in Minnesota Statutes,
7.6 section 326.10, subdivision 1, paragraph (a), clause (2), ~~and experience as the board may~~
7.7 ~~require together with evidence of current licensure and proof of good standing;~~

7.8 G. for licensure by comity as a land
7.9 surveyor, ~~an applicant is subject to,~~ by submitting
7.10 documentation of completion of the requirements in Minnesota Statutes, section 326.10,
7.11 subdivision 1, paragraph (a), clause (2). In addition, the applicant is required to ~~take~~
7.12 ~~examinations that the board deems necessary to determine qualifications, but in any~~
7.13 ~~event the applicant is required to take an examination~~ successfully complete the local
professional practice examination;

7.14 H. for certification by comity as a certified interior designer ~~under,~~ by submitting
7.15 documentation of completion of the requirements in Minnesota Statutes, section 326.10,
7.16 subdivision 1, paragraph (a), clause (2). ~~The applicant shall meet the certification~~
7.17 ~~requirements that were in effect in Minnesota at the time of the applicant's original~~
7.18 ~~licensure or certification in the other state, territory, or the District of Columbia.~~

7.19 Applicants who were certified in other states prior to August 1, 1992, shall meet the
7.20 requirements of part 1800.2100; or

7.21 I. for licensure within a professional
7.22 geoscience discipline by comity ~~or submission~~
7.23 ~~of records, an applicant shall be subject to,~~ by submitting documentation of completion
7.24 of the requirements in Minnesota Statutes, sections 326.10, subdivision 1, paragraph (a),
clause (2); and 326.10, subdivision 1, paragraph (b).

8.1 **1800.0900 QUALIFICATION PROCEDURES.**

8.2 Subpart 1. **Exhibits.** Exhibits in connection with oral interview or written examination
8.3 shall be submitted when requested by the board.

8.4 Subp. 2. [Repealed, 21 SR 1427]

8.5 Subp. 3. **Examination required.** An applicant for certification as an
8.6 engineer-in-training, a land surveyor-in-training, a geologist-in-training, or a soil
8.7 scientist-in-training must take all parts of the applicable fundamentals examination at one
8.8 time. An applicant for licensure as a professional engineer, land surveyor, professional
8.9 geologist, or professional soil scientist must pass the applicable fundamentals examination
8.10 prior to taking the professional examination, except for ~~the professional engineering~~
8.11 an applicant that who meets the requirements ~~outlined in part 1800.2800~~ for waiver of
8.12 the fundamentals examination.

8.13 An applicant for licensure as a professional engineer, professional geologist, or
8.14 professional soil scientist must take all parts of the professional examination at one time.

8.15 Subp. 4. **Reexamination.** An applicant who does not receive a passing grade in
8.16 an examination may ~~make~~ submit a new application to ~~retake that~~ for examination.
8.17 The application shall be accompanied by ~~a reexamination fee~~ an application fee as
8.18 required under part 1800.0500, subpart ~~7~~ 1. The board may require an applicant failing
8.19 an examination ~~four~~ three or more times to submit evidence of improved qualifications
8.20 before ~~an additional retake examination is permitted~~ a new application for examination is
8.21 approved.

8.22 [For text of subp 5, see M.R.]

8.23 Subp. 6. **Registration in another state.** An applicant duly registered in another
8.24 state and whose registration is current, upon notification from the Minnesota board that
8.25 the application has been received and is in order may practice the applicant's profession
8.26 while his or her application is pending pursuant to Minnesota Statutes, section 326.13. An

9.1 application which has not been acted upon by the board within six months from the date of
9.2 submission of the application, because of failure of the applicant to furnish the board with
9.3 qualifying information pertaining to the registration, shall be denied.

9.4 The plans and specifications which are prepared by the applicant during the period in
9.5 which the application is pending must bear the certification stamp of the state in which the
9.6 applicant is registered along with a statement that she or he has applied for registration in
9.7 Minnesota and that the application is pending. This stamp must be placed on each sheet of
9.8 the set of drawings prepared for the project, and on the title sheet of the specifications.

9.9 The Minnesota board does not require the use of a seal. If the state in which the
9.10 ~~architect or engineer~~ applicant is registered has a seal or provisions for signing and dating
9.11 plans, specifications, and reports, this will be acceptable. If the seal does not provide for
9.12 signing and dating the plans, the ~~architect or engineer~~ applicant shall sign and date the
9.13 plans under the seal imprint on each plan certified.

9.14 **1800.1000 EDUCATION AND EXPERIENCE.**

9.15 Subpart 1. **Examination requirement.** An applicant for licensure as an architect
9.16 shall pass an examination as provided in part 1800.1200. Examinations are required of
9.17 all applicants except those licensed under part 1800.0800, items ~~D~~ C and ~~G~~ F, that apply
9.18 to those architects licensed in one or more states other than Minnesota. An applicant for
9.19 licensure under part 1800.0800, items ~~D~~ C and ~~G~~ F, must satisfy the Minnesota licensing
9.20 requirements that were in effect at the time of the applicant's original approved application
9.21 in the other state.

9.22 [For text of subp 1a, see M.R.]

9.23 Subp. 2. [Repealed, 14 SR 2988]

9.24 Subp. 3. [Repealed, 14 SR 2988]

9.25 Subp. 4. [Repealed, 14 SR 2988]

10.1 [For text of subps 5 to 7, see M.R.]

10.2 Subp. 8. [Repealed, 21 SR 1427]

10.3 **1800.1500 EDUCATION AND EXPERIENCE.**

10.4 Subpart 1. **Examination requirement.** An applicant for licensure as a landscape
10.5 architect shall pass the examination referred to in part 1800.1700 and satisfy the education
10.6 and experience requirements in subparts 3 to 5. Successful passage of the examination
10.7 referred to in part 1800.1700 is required of an applicant in order to be licensed under part
10.8 1800.0800, item G F. An applicant for licensure under part 1800.0800, item G F, must
10.9 satisfy the Minnesota licensing requirements in effect at the time of the applicant's original
10.10 licensure in the other state.

10.11 [For text of subps 2 to 4, see M.R.]

10.12 Subp. 5. [Repealed, 35 SR 2011]

10.13 [For text of subp 6, see M.R.]

10.14 **1800.2100 EDUCATION AND EXPERIENCE.**

10.15 Subpart 1. **Written examination requirement.** An applicant for certification as a
10.16 certified interior designer shall pass a written examination administered by the National
10.17 Council for Interior Design Qualification (NCIDQ) except that a written examination is
10.18 not required of an applicant certified under subpart 5 or part 1800.0800, item I H.

10.19 [For text of subp 2, see M.R.]

10.20 Subp. 3. [Repealed, 35 SR 2011]

10.21 Subp. 4. [Repealed, 35 SR 2011]

10.22 [For text of subp 5, see M.R.]

11.1 **1800.2500 EDUCATION AND EXPERIENCE.**

11.2 Subpart 1. **Written examination requirement.** An applicant for licensure as a
11.3 professional engineer shall pass written examinations as provided in this subpart. ~~Written~~
11.4 ~~examinations are required of all applicants except those licensed under part 1800.0800,~~
11.5 ~~items E and G, that apply to those professional engineers licensed in one or more states~~
11.6 ~~other than Minnesota.~~ An applicant for licensure under part 1800.0800, ~~items E and~~
11.7 ~~G~~ item F, shall satisfy the Minnesota licensing requirements that were in effect at the
11.8 time of the applicant's original licensure in the other state. The written Fundamentals of
11.9 Engineering (FE) examination shall be waived by the board if the applicant meets the
11.10 requirements in part 1800.2800.

11.11 Subp. 2. **Admission to written Fundamentals**
of Engineering (FE) examination. To

11.12 qualify for admission to the written FE examination, the applicant shall present evidence
11.13 of one of the following:

11.14 [For text of item A, see M.R.]

11.15 B. graduation from an engineering curriculum that receives EAC-ABET
11.16 accreditation within five years of the applicant's graduation;

11.17 C. graduation from a non-EAC-ABET-accredited or nonengineering degree
11.18 curriculum with the minimum number of engineering science and engineering design
11.19 credits as required in an EAC-ABET-accredited degree (~~32 semester or 48 quarter credit~~
11.20 ~~hours of engineering science and 16 semester or 24 quarter credits of engineering design)~~
11.21 (48 semester or 72 quarter credit hours); or

11.22 D. has a graduate degree from an
engineering program where the bachelor's degree
11.23 is EAC-ABET-accredited, even though the applicant's bachelor's degree was earned in a
11.24 nonengineering program, or is currently enrolled in a graduate program in engineering

11.25 where the bachelor's degree is EAC-ABET-accredited working toward a graduate degree
11.26 and has completed a minimum of 36 quarter or 24 semester credit hours.

12.1 Subp. 2a. **Admission to written professional**
engineering Principles and Practice of

12.2 **Engineering (PE) examination.** To qualify for admission to the written PE examination,
12.3 the applicant shall present evidence of meeting the educational and qualifying experience
12.4 requirements in items A and B.

12.5 A. Education:

12.6 (1) graduation from an EAC-ABET-accredited bachelor's engineering
12.7 curriculum;

12.8 (2) graduation from ~~an~~ a bachelor's engineering curriculum that receives
12.9 EAC-ABET accreditation within five years of the applicant's graduation;

12.10 (3) has a non-EAC-ABET-accredited or nonengineering bachelor's degree
12.11 with the minimum number of engineering science and design credits as required in an
12.12 EAC-ABET-accredited degree (32 semester or 48 quarter credit hours of engineering
12.13 science and 16 semester or 24 quarter credits of engineering design) (48 semester or
12.14 72 quarter credit hours);

12.15 (4) has a graduate degree from an engineering program where the bachelor's
12.16 degree in that discipline of engineering or related discipline of engineering in the opinion
12.17 of the board is EAC-ABET-accredited, even though the applicant's bachelor's degree was
12.18 earned in a non-EAC-ABET-accredited or nonengineering program; ~~or~~

12.19 (5) graduation from ~~an~~ a bachelor's engineering curriculum that has
12.20 EAC-ABET accreditation and a graduate degree in engineering from an institution with an
12.21 EAC-ABET-accredited bachelor's curriculum in that discipline of engineering- or related
12.22 discipline of engineering in the opinion of the board;

12.23 (6) graduation from an
 12.24 EAC-ABET-accredited graduate engineering curriculum
 12.25 even though the applicant's bachelor's degree was earned in a non-EAC-ABET-accredited
or nonengineering program; or

13.1 (7) graduation from an EAC-ABET-accredited bachelor's engineering
 13.2 curriculum and graduation from an EAC-ABET-accredited graduate engineering
 13.3 curriculum.

13.4 B. Qualifying experience:

13.5 (1) completion of a minimum of four years of qualifying engineering
 13.6 experience, if the applicant meets the educational requirements of item A, ~~subitems~~
 13.7 subitem (1) and or (2);

13.8 (2) completion of a minimum of
 13.9 six years of qualifying engineering experience,
 13.10 if the applicant meets the educational requirements of item A, subitem (3);

13.11 (3) completion of a minimum of
 13.12 five years of qualifying engineering experience,
 13.13 if the applicant meets the educational requirements of item A, subitem (4) or (6); or

13.14 (4) completion of a minimum of three years of qualifying engineering
 13.15 experience if the applicant meets the educational requirements of item A, subitem (5) or (7).

13.16 ~~Not more than two years credit shall be allowed for qualifying engineering experience,~~
 13.17 ~~gained before graduation from an accredited engineering curriculum. The two years~~
 13.18 ~~experience before graduation must have been gained after completion of the second year~~
 13.19 ~~of approved engineering education. The experience shall be credited at the rate of 50~~
 13.20 ~~percent up to the maximum allowable credit of two years. One-half (50 percent) of the~~
qualifying engineering experience gained prior to graduation but after completion of two
full years of one of the engineering curricula specified in item A shall be credited to

13.21 satisfy part of the requirements for the qualifying engineering experience required under
13.22 this item. This credit shall not exceed the lesser of two years or 50 percent of the required
13.23 number of years of qualifying engineering experience listed in this subpart.

13.24 Subp. 3. [Repealed, 21 SR 1427]

14.1 **1800.2700 WRITTEN EXAMINATION.**

14.2 Subpart 1. **Two-part examination.** The
14.3 written examination ~~consists~~ shall be prepared
14.4 and furnished by the National Council of Examiners for Engineering and Surveying
14.4 (NCEES) and shall consist of the two parts described in subparts 1a and 2.

14.5 Subp. 1a. **Fundamentals of Engineering (FE) examination.** Part I is the
14.6 ~~fundamentals of engineering FE~~ examination that may be taken upon ~~graduation from~~
14.7 ~~an engineering curriculum~~ meeting the requirements of part 1800.2500, subpart 2. The
14.8 ~~applicant shall submit an official transcript from the college or university the applicant is~~
14.9 ~~attending.~~ An applicant taking the Fundamentals of Engineering (FE) examination shall be
14.10 notified of the score in writing, ~~provided the applicant has met the criteria in this subpart.~~
14.11 An applicant failing ~~this~~ the FE examination and electing to take the examination again
14.12 shall retake take the entire examination. ~~A final official transcript showing the degree~~
14.13 ~~and the date awarded shall be submitted to the board before the Engineer-in-Training~~
14.14 ~~certificate is released to the applicant.~~ The passing of this examination and providing proof
14.15 of the degree awarded and the award date of graduation gives the applicant the status of
14.16 engineer-in-training as defined in Minnesota Statutes, section 326.10, subdivision 7. ~~The~~
14.17 ~~applicant shall not again be required to take this examination.~~ A final official transcript
14.18 showing the degree awarded and date of graduation shall be submitted to the board before
14.19 the Engineer-in-Training number is released to the applicant. The applicant shall take and
14.20 pass the ~~Fundamentals of Engineering (FE)~~ examination before being permitted to take
14.21 the professional examination unless exempted under part 1800.2800.

14.22 Subp. 2. **Professional Principles and Practice of Engineering (PE) examination.**

14.23 Part II is the PE examination. The applicant shall take and pass may take the PE
 14.24 examination upon meeting the requirements of part 1800.2500, subpart 2a, and after
 14.25 taking and passing the Fundamentals of Engineering (FE) examination before being
 14.26 permitted to take the professional examination, unless the FE examination is waived under
 15.1 part 1800.2800. The professional PE examination, covering the principles and practice of
 15.2 engineering in the field of major practice, is required as outlined in this subpart consistent
 15.3 with the examinations prepared and furnished by NCEES. Examinations are presently
 15.4 offered in the following fields of major practice in engineering: aeronautical/aerospace,
 15.5 agricultural, chemical, civil, controls systems, electrical, environmental, fire protection,
 15.6 geological, industrial, manufacturing, mechanical, metallurgical, mining/minerals, nuclear,
 15.7 petroleum, and structural I and II. A person failing the professional PE examination and
 15.8 electing to take the examination again shall retake take the entire examination.

15.9 Subp. 3. **Scope of examinations.** The scope of the Fundamentals of Engineering (FE)
 15.10 examination and the Principles and Practice of Engineering (PE) examination is as follows:

15.11 A. ~~Fundamentals of Engineering (FE)~~ The FE examination: consists of
 15.12 multiple-choice questions in mathematics, basic sciences, and the basic and engineering
 15.13 sciences as presented in accredited college or university academic engineering curriculum
 15.14 curricula. Allotted time: eight hours.

15.15 B. ~~Principles and Practice of Engineering~~ The PE examination: consists of
 15.16 problems embracing knowledge of professional practice and applied economics as acquired
 15.17 in connection with the planning, design, and construction of engineering work during the
 15.18 required period of qualifying engineering experience. Allotted time: eight hours.

15.19 Subp. 4. [Repealed, 21 SR 1427]

15.20 Subp. 5. **Equipment during examination.** ~~Handbooks, reference books, bound~~
 15.21 ~~tabular material and notes, and silent, hand-held, electronic calculators are permitted for~~

15.22 ~~use during examinations when authorized by the board. Applicants shall only use the~~
 15.23 ~~reference handbook supplied by the National Council of Examiners for Engineering and~~
 15.24 ~~Surveying (NCEES) during the Fundamentals of Engineering (FE) examination. The board~~
 15.25 ~~shall advise the applicant at the time of approval for admission to the FE or PE examination~~
 15.26 ~~what equipment and materials will be permitted for use during the examination.~~

16.1 **1800.2800 ENGINEERS QUALIFIED BY GRADUATION, LONG EXPERIENCE,**
 16.2 **AND EXAMINATION.**

16.3 The Fundamentals of Engineering (FE) examination must be waived in those cases
 16.4 where the applicant furnishes evidence of:

16.5 [For text of items A and B, see M.R.]

16.6 C. having a doctorate degree in engineering from an educational institution whose
 16.7 baccalaureate curriculum is accredited by ~~ABET-EAC~~ EAC-ABET or whose education is
 16.8 equivalent thereto.

16.9 An applicant qualifying under item A, B, or C shall pass ~~a written professional practice~~
 16.10 ~~examination of at least eight hours duration~~ the Principles and Practice of Engineering
 16.11 (PE) examination. To qualify for waiver of the ~~Fundamentals of Engineering~~ FE
 16.12 examination under item A, the applicant's engineering experience shall show responsible
 16.13 charge of engineering projects for at least ten years and advancement in the character of
 16.14 the work performed. ~~The Experience gained before reaching the age of 20 years shall not~~
 16.15 ~~be credited as a part of the required engineering experience, except that graduation from~~
 16.16 ~~an accredited baccalaureate engineering curriculum shall be considered equivalent to four~~
 16.17 ~~years of engineering experience. Credit shall not be given for more than a total of four~~
 16.18 ~~years experience because of undergraduate educational qualifications.~~

16.19 **1800.2805 QUALIFYING EXPERIENCE DEFINED.**

16.20 As used in this part and parts ~~1800.2600, 1800.2700,~~ 1800.2500 and 1800.2800,
 16.21 qualifying experience consists of varied, progressive, nonrepetitive, practical experience at

16.22 engineering work, developing the ability to apply the theoretical knowledge gained during
16.23 academic training in making sound judgments in solving engineering problems. The varied
16.24 experience must include increments of design, planning, technical specification, codes and
16.25 standards research and analysis, engineering economics, safety, observation, and inspection
16.26 of construction of products. Experience shall be written in detail, verified by the applicant's
16.27 supervisor, and submitted with the application for evaluation and approval by the board.

17.1 **1800.2900 PROCEDURES.**

17.2 Subpart 1. ~~Application deadline~~ **Request for admission to the Fundamentals of**
17.3 **Engineering (FE) examination.** An applicant shall submit an application for admission
17.4 to the ~~Fundamentals of Engineering~~ FE examination explained in under part 1800.2700,
17.5 subpart 1a, ~~postmarked not later than 75 days prior to the first day of the date set for the~~
17.6 ~~fundamentals of engineering examination and~~ accompanied by payment of the application
17.7 fee specified in part 1800.0500, subpart 5, item B, subitem (1) Minnesota Statutes, section
17.8 326.105. For applicants who have not yet graduated, an unofficial transcript of grades
17.9 from all institutions attended showing the applicant's name, the name of the college or
17.10 university, and the number of credits completed shall accompany the application. A
17.11 final official transcript of grades showing the date of award of the degree earned degree
17.12 awarded and date of graduation shall be submitted before the applicant may be certified as
17.13 an Engineer-in-Training. For applicants who have graduated, a final official transcript of
17.14 grades showing the degree awarded and date of graduation shall accompany the application.

17.15 Subp. 2. ~~Request for professional examination admission to the Principles and~~
17.16 **Practice (PE) examination.** An applicant shall submit an application for admission to the
17.17 ~~Principles and Practice of Engineering~~ PE examination explained in under part 1800.2700,
17.18 subpart 2, ~~postmarked not later than 75 days prior to the first day of the date set for the~~
17.19 ~~professional examination and~~ accompanied by payment of the application fee specified in
17.20 part 1800.0500, subpart 1 Minnesota Statutes, section 326.105. The application shall be

17.21 made on a form provided by the board and shall include a detailed listing of engineering
17.22 experience gained. The experience listing shall include the name and mailing address of
17.23 the applicant's supervisor for each period of employment. The board shall provide the
17.24 applicant an employment reference form which shall be signed and certified. This form
17.25 shall be submitted to the board by the employer. A final official transcript of grades
17.26 showing the ~~date of award of the degree earned~~ degree awarded and date of graduation
17.27 shall accompany the completed form, unless previously submitted. Upon approval of the
18.1 application by the board, the applicant will be so notified in writing. The applicant shall
18.2 submit one signed copy of a statement that the applicant has read the Board Rules of
18.3 Professional Conduct prior to receipt of the certificate and license.

18.4 Subp. 3. [Repealed, 21 SR 1427]

18.5 Subp. 4. **Obtaining application material.** Application materials may be obtained by
18.6 ~~calling or writing the board office~~ from the board's Web site.

18.7 Subp. 5. **Examination administration and application deadline.** An applicant
18.8 may not sit for an examination until an application has been submitted, the board has
18.9 determined that the applicant has met the qualifications to take the examination, and the
18.10 applicant has been notified of the applicant's eligibility.

18.11 The FE and PE examinations shall be administered at least twice annually at a time
18.12 and place determined by the board or examination delivery vendor to those applicants
18.13 determined by the board to meet the requirements for admission to the examinations.

18.14 The deadline for application for an examination that is administered on a specific date
18.15 and time shall be 75 days prior to the date set for the examination. Applications must be
18.16 postmarked on or before the deadline to be considered on time.

18.17 For an examination that is administered on multiple dates and times within an
18.18 examination window, an application may be submitted at any time.

18.19 The board, if necessary, shall forward notification of the applicant's eligibility to the
 18.20 examination delivery vendor. Following the board's determination that an applicant is
 18.21 eligible to sit for an examination, the applicant shall independently contact the examination
 18.22 delivery vendor to schedule the time and place for the examination at an approved test site.

18.23 The board or examination delivery vendor shall report to the applicant the results
 18.24 of each examination. In order to pass the examination, the applicant shall attain the
 18.25 uniform passing grade established by the board through a psychometrically acceptable
 18.26 standard-setting procedure.

19.1 Subp. 6. **Examination windows.** The examination windows are determined by the
 19.2 applicable national testing agency. An application for examination is for one examination
 19.3 attempt. An applicant who has been approved by the board for examination and does not
 19.4 take the examination within one year shall submit a new application for examination.
 19.5 Upon notification of failure of an examination, an applicant may submit a new application
 19.6 for examination. An applicant may not retake a failed examination within the same
 19.7 examination window and may not attempt the same examination more than three times in
 19.8 a rolling 12-month period.

19.9 **1800.3505 EDUCATION AND EXPERIENCE.**

19.10 **Subpart 1. Examination requirements.** An applicant for licensure as a land surveyor
 19.11 is required to pass written examinations as provided in this part and parts 1800.3600 to
 19.12 1800.3800. An applicant for licensure under part 1800.0800, item H G, shall satisfy the
 19.13 Minnesota licensing requirements that were in effect at the time of the applicant's original
 19.14 licensure in the other state.

19.15 **Subp. 2. Admission to the Fundamentals of Land Surveying (FS) examination.** To
 19.16 qualify for admission to the Fundamentals of Land Surveying FS examination, applicants
 19.17 shall present satisfactory evidence of one of the following:

19.18 [For text of items A and B, see M.R.]

19.19 Subp. 3. **Admission to professional land surveying the Principles and Practice of**
19.20 **Surveying (PS) examination.** To qualify for admission to the ~~professional land surveying~~
19.21 ~~PS~~ examination, the applicant shall present evidence of meeting the educational and
19.22 qualifying experience requirements in item A or B.

19.23 [For text of items A and B, see M.R.]

20.1 **1800.3600 REQUIREMENTS FOR ADMISSION TO EXAMINATION.**

20.2 Subpart 1. **Authority to order examination.** The board may subject an applicant to
20.3 such examinations as may be deemed necessary to establish the qualifications of the
20.4 applicant. ~~Written~~ Examinations shall be held at such times and places as the board may
20.5 direct.

20.6 Subp. 2. ~~Land surveyor-in-training~~ **Fundamentals of Surveying (FS) examination.**

20.7 The ~~Fundamentals of Land Surveying (FLS)~~ FS examination may be taken upon meeting
20.8 the requirements of part 1800.3505, subpart 2. ~~The applicant shall submit an official~~
20.9 ~~transcript from the college or university the applicant is attending.~~ An applicant taking
20.10 the ~~FLS~~ FS examination must be notified of the applicant's score in writing. An applicant
20.11 failing this examination and electing to take the examination again shall retake take the
20.12 ~~entire examination. A final official transcript showing the degree and the date awarded~~
20.13 ~~must be submitted to the board before the land surveyor-in-training certificate is released~~
20.14 ~~to the applicant.~~ The passage of this examination and providing proof of the degree and
20.15 ~~the award date~~ awarded and date of graduation gives the applicant the status of land
20.16 surveyor-in-training as defined in Minnesota Statutes, section 326.10, subdivision 7.
20.17 A final official transcript showing the degree awarded and date of graduation shall be
20.18 submitted to the board before the Land Surveyor-in-Training number is released to the
20.19 applicant. The applicant shall take and pass the ~~FLS~~ FS examination before being
20.20 permitted to take the professional examination.

20.21 Subp. 3. **Professional practice examinations.** ~~The applicant must have successfully~~
 20.22 ~~completed~~ The applicant may take the Principles and Practice of Surveying (PS)
 20.23 examination and the Minnesota Land Surveying Examination (MNLS) upon successful
 20.24 completion of the Fundamentals of Land Surveying (FLS FS) examination and have
 20.25 met meeting the education and experience requirements in part 1800.3505, subpart 3.
 21.1 An applicant failing either the PS or the MNLS examination and electing to take the
 21.2 examination again shall take the entire failed examination.

21.3 **1800.3700 EXAMINATIONS.**

21.4 Subpart 1. **Fundamentals of land Surveying (FS) examination.** ~~Fundamentals of~~
 21.5 ~~land Surveying~~ The FS examination consists of an eight-hour examination. Failure of
 21.6 either the morning or afternoon portion of the examination will require the applicant
 21.7 to retake the entire eight-hour examination multiple-choice questions in mathematics,
 21.8 physical and applied sciences, and basic land surveying principles as presented in
 21.9 academic land surveying curricula.

21.10 Subp. 2. **Professional practice examinations.** The examination for professional
 21.11 practice consists of a national examination and a local examination the Principles and
 21.12 Practice of Surveying (PS) examination and the Minnesota Land Surveying (MNLS)
 21.13 examination. Failure of one or both of the examinations will necessitate retaking the entire
 21.14 failed examination. Successful completion of both the national professional practice
 21.15 examination PS and the local professional practice examination MNLS examinations
 21.16 qualifies the applicant for licensure as a land surveyor in Minnesota upon payment of
 21.17 the license fee.

21.18 Subp. 3. **Reference materials.** ~~Reference materials may be used when permitted by~~
 21.19 ~~the board.~~ The board shall advise the applicant, at the time of approval for admission
 21.20 to an examination, what equipment and materials will be permitted for use during the
 21.21 examination.

21.22 **1800.3750 PROCEDURES.**

21.23 **Subpart 1. Request for admission to the Fundamentals of Surveying (FS)**
21.24 **examination.** An applicant shall submit an application for admission to the FS
21.25 examination explained in part 1800.3600, subpart 2, accompanied by payment of the
21.26 application fee specified in Minnesota Statutes, section 326.105. For applicants who have
22.1 not yet graduated, an unofficial transcript of grades from all institutions attended showing
22.2 the applicant's name, the name of the college or university, and the number of credits
22.3 completed shall accompany the application. A final official transcript of grades showing
22.4 the degree awarded and date of graduation shall be submitted before the applicant may
22.5 be certified as a Land Surveyor-in-Training (LSIT). For applicants who have graduated,
22.6 a final official transcript of grades showing the degree awarded and date of graduation
22.7 shall accompany the application.

22.8 **Subp. 2. Request for admission to the Principles and Practice of Surveying (PS)**
22.9 **examination.** An applicant shall submit an application for admission to the PS examination
22.10 explained in part 1800.3600, subpart 3, accompanied by payment of the application fee
22.11 specified in Minnesota Statutes, section 326.105. The application shall be made on a form
22.12 provided by the board and shall include a detailed listing of surveying experience gained.
22.13 The experience listing shall include the name and mailing address of the applicant's
22.14 supervisor for each period of employment. The board shall provide the applicant with
22.15 an employment reference form which shall be signed and certified. This form shall be
22.16 submitted to the board by the employer. A final official transcript of grades showing the
22.17 degree awarded and date of graduation shall accompany the completed form, unless
22.18 previously submitted. Upon approval of the application by the board, the applicant will be
22.19 so notified in writing. The applicant shall submit one signed copy of a statement that the
22.20 applicant has read the Board Rules of Professional Conduct prior to receipt of the license.

22.21 Subp. 3. **Request for admission to the Minnesota Land Surveying (MNLS)**
22.22 **examination.** Upon approval of an application for licensure as a land surveyor by
22.23 comity under part 1800.0800, item G, or an application for examination under subpart
22.24 2, the applicant will be notified by the board in writing of the examination registration
22.25 procedures and applicable fees for the MNLS examination. Applicants failing the
22.26 MNLS examination shall submit a new application under subpart 2 accompanied by the
22.27 application fee to retake the examination.

23.1 Subp. 4. **Examination administration and application deadline.** An applicant
23.2 may not sit for an examination until an application has been submitted, the board has
23.3 determined that the applicant has met the qualifications to take the examination, and the
23.4 applicant has been notified of the applicant's eligibility.

23.5 The FS, PS, and MNLS examinations shall be administered at least twice annually at a
23.6 time and place determined by the board or examination delivery vendor to those applicants
23.7 determined by the board to meet the requirements for admission to the examination.

23.8 The deadline for application for an examination that is administered on a specific date
23.9 and time shall be 75 days prior to the date set for the examination. Applications must be
23.10 postmarked on or before the deadline to be considered on time.

23.11 For an examination that is administered on multiple dates and times within an
23.12 examination window, an application may be submitted at any time.

23.13 The board, if necessary, shall forward notification of the applicant's eligibility to the
23.14 examination delivery vendor. Following the board's determination that an applicant is
23.15 eligible to sit for an examination, the applicant shall independently contact the examination
23.16 delivery vendor to schedule the time and place for the examination at an approved test site.

23.17 The board or examination delivery vendor shall report to the applicant the results
23.18 of each examination. In order to pass the examination, the applicant shall attain the
23.19 uniform passing grade established by the board through a psychometrically acceptable
23.20 standard-setting procedure.

23.21 Subp. 5. **Examination windows.** The examination windows are determined by the
23.22 applicable national testing agency. An application for examination is for one examination
23.23 attempt. An applicant who has been approved by the board for examination and does not
23.24 take the examination within one year shall submit a new application for examination.
23.25 Upon notification of failure of an examination, an applicant may submit a new application
23.26 for examination. An applicant may not retake a failed examination within the same
24.1 examination window and may not attempt the same examination more than three times in
24.2 a rolling 12-month period.

24.3 **1800.3850 TRANSITIONAL PERIOD.**

24.4 Until December 31, 2012, an individual who has taken the Fundamentals of Land
24.5 Surveying examination before November 1, 2002, may choose to pursue licensure as a land
24.6 surveyor under chapter 1800 as it existed on the date the person first took the examination.

24.7 **1800.3910 EDUCATION AND EXPERIENCE.**

24.8 Subpart 1. **Written examination requirement.** An applicant for licensure within a
24.9 geoscience discipline shall pass written examinations as provided in part 1800.3920.
24.10 ~~Written examinations are not required of applicants licensed under part 1800.0800, item J,~~
24.11 ~~provided that these applicants are licensed in a geoscience discipline recognized by the~~
24.12 ~~board and are licensed in one or more states other than Minnesota as defined in Minnesota~~
24.13 ~~Statutes, section 326.10, subdivision 1, paragraph (a), clause (2), or those geoscientists~~
24.14 ~~who are qualified for licensing by submission of records as defined in Minnesota Statutes,~~
24.15 ~~section 326.10, subdivision 1, paragraph (b), by applying for licensure within one year~~
24.16 ~~after August 4, 1997, and meet the requirements in this part.~~

24.17 An applicant for licensure under part 1800.0800, item J I, shall satisfy the Minnesota
24.18 licensing requirements that were in effect at the time of the applicant's original licensure in
24.19 the other state, if the original license of the applicant was received after August 4, 1997.

24.20 An applicant for licensure under part 1800.0800, item J I, shall satisfy the Minnesota

24.21 licensing requirements that were in effect on August 4, 1997, if the applicant's original
24.22 licensure in the other state was received prior to August 4, 1997.

24.23 The written Fundamentals of Geology (FG) examination or Fundamentals of Soil
24.24 Science (FSS) examination shall be waived by the board if:

25.1 A. the applicant has a doctorate degree in the geoscience discipline in which
25.2 the applicant is seeking licensure ~~in~~ or equivalent doctorate degree as approved by the
25.3 board; and

25.4 B. the applicant meets the educational requirements in subpart 5.

25.5 Subp. 2. **Admission to written fundamentals examination.** To qualify for admission
25.6 to the written fundamentals examination for a geoscience discipline, the applicant shall
25.7 present evidence of the following:

25.8 A. graduation or being within 30 semester or 45 quarter credits of graduation from
25.9 a geoscience curriculum approved by the board for the geoscience discipline the applicant
25.10 is seeking licensure in, as specified in subpart 5; ~~and~~

25.11 B. ~~having met the educational requirements as defined in subpart 5~~; graduation
25.12 with a bachelor's degree from a non-board-approved curriculum with a minimum number
25.13 of equivalent geoscience credits as specified in subpart 5; or

25.14 C. graduation with a master's or doctorate degree in a non-board-approved
25.15 curriculum with a minimum number of equivalent geoscience credits as specified in
25.16 subpart 5.

25.17 Subp. 3. **Admission to written professional examination.** To qualify for admission
25.18 to the written professional examination for a geoscience discipline, the applicant shall
25.19 present evidence of meeting the educational and qualifying experience requirements
25.20 in items A and B.

25.21 A. ~~The education requirement is graduation from a geoscience curriculum~~
25.22 ~~approved by the board for the geoscience discipline the applicant is seeking licensure in as~~
25.23 ~~defined in subpart 5. Education:~~

26.1 (1) graduation from a geoscience curriculum approved by the board in the
26.2 geoscience discipline in which the applicant is seeking licensure with the minimum
26.3 number of geoscience credits as specified in subpart 5;

26.4 (2) graduation with a bachelor's
degree from a non-board-approved curriculum
26.5 with a minimum number of equivalent geoscience credits as specified in subpart 5; or

26.6 (3) graduation with a master's or doctorate degree in a non-board-approved
26.7 curriculum with a minimum number of equivalent geoscience credits as specified in
26.8 subpart 5.

26.9 B. ~~The Qualifying Experience requirement is:~~

26.10 (1) completion of a minimum of
five years of qualifying geoscience experience
26.11 in the discipline in which the applicant is seeking licensure ~~in~~ if the applicant has
26.12 graduated with a baccalaureate degree from a school or college approved by the board for
26.13 ~~the discipline in which the applicant is seeking licensure.~~ geoscience curriculum meeting
26.14 the requirements of item A, subitem (1);

26.15 ~~Not more than two years credit shall be allowed for qualifying geoscience experience,~~
26.16 ~~gained before graduation from an approved geoscience curriculum. The two years~~
26.17 ~~experience before graduation must have been gained after completion of the second year~~
26.18 ~~of approved geoscience education. The experience shall be credited at the rate of 50~~
26.19 ~~percent of the time gaining this experience up to the maximum allowable credit of two~~
26.20 ~~years. One year of experience is the equivalent of 2,080 hours.~~

26.21 (2) completion of a minimum of
26.22 four years of qualifying geoscience experience
26.23 in the discipline in which the applicant is seeking licensure if the applicant has graduated
26.24 with a master's degree or higher from geoscience curriculum meeting the requirements
 of item A, subitem (1);

27.1 (3) completion of a minimum of
 six years of qualifying geoscience experience
27.2 in the discipline in which the applicant is seeking licensure if the applicant meets the
27.3 educational requirements of item A, subitem (2); or

27.4 (4) completion of a minimum of
 five years of qualifying geoscience experience
27.5 in the discipline in which the applicant is seeking licensure if the applicant meets the
27.6 educational requirements of item A, subitem (3).

27.7 One-half (50 percent) of the qualifying geoscience experience gained prior to
27.8 graduation but after completion of two full years of one of the geoscience curricula
27.9 specified in item A shall be credited to satisfy part of the requirements for the qualifying
27.10 geoscience experience required under this item. This credit shall not exceed two years
27.11 of qualifying geoscience experience listed in this subpart.

27.12 Subp. 4. [See repealer.]

27.13 Subp. 5. **Approved geoscience education.**

27.14 A. For an applicant seeking licensure as a professional geologist, the applicant
27.15 shall present evidence of:

27.16 (1) a baccalaureate or higher degree in geology approved by the board, from
27.17 an accredited institution of higher learning or an institution of higher learning approved
27.18 by the board;₂ and

27.19 (2) a minimum of 30 semester or
27.20 45 quarter hours in geology. ~~A description of~~
27.21 ~~the core geology subjects as well as a list of geology courses shall be maintained by the~~
27.22 ~~board. Geology courses must include~~ with a minimum of 24 semester hours or 36 quarter
27.23 hours ~~from~~ divided among at least three of the following core geology subjects:

- 27.23 (a) physical geology;
- 27.24 (b) historical geology;
- 27.25 (c) stratigraphy;
- 28.1 (d) sedimentology or sedimentary petrology;
- 28.2 (e) mineralogy;
- 28.3 (f) igneous and/or metamorphic petrology;
- 28.4 (g) structural geology;
- 28.5 (h) hydrogeology;
- 28.6 (i) geochemistry;
- 28.7 (j) geophysics;
- 28.8 (k) glacial geology;
- 28.9 (l) geomorphology; and
- 28.10 (m) field geology or geologic field methods.

28.11 A description of the core geology subjects as well as a list of geology courses shall be
28.12 maintained by the board.

28.13 B. For applicants seeking licensure as a professional soil scientist, the applicant
28.14 shall present evidence of:

28.15 [For text of subitems (1) and (2), see M.R.]

- 28.16 (3) a minimum of 14 semester or
28.17 21 quarter hours in closely related geoscience
28.18 courses as recognized by the board. Soil science courses must include a minimum of two
28.19 semester or three quarter hours in each of the following basic soil science areas:
- 28.20 (a) soil physical properties, soil biophysical environment, or soil water
28.21 relations;
 - 28.22 (b) soil chemical properties, soil chemical processes, or soil fertility;
 - 28.23 (c) soil biological properties, soil biochemical process, environmental
ecology, or soil microbial ecology; and
 - 29.1 (d) soil genesis, soil classification, pedology, or soil morphology.

29.2 ~~A maximum of three semester or five quarter hours of masters or doctorate degree thesis~~
29.3 ~~credits can be applied to the total number of credit hours.~~ A list of courses included in
29.4 each soil science study area and those which are recognized by the board as closely related
29.5 geoscience courses shall be maintained by the board.

29.6 C. A maximum of three semester or five quarter hours of masters or doctorate
29.7 degree thesis credits can be applied to the total number of credit hours.

29.8 Subp. 6. **Qualifying experience defined.** Qualifying geology experience must be
29.9 obtained under the direct supervision of a licensed geologist. Qualifying soil science
29.10 experience must be obtained under the direct supervision of a licensed geologist, licensed
29.11 soil scientist, or licensed professional engineer who has qualified education and experience
29.12 in the soil science discipline. As used in this part, "qualifying experience" consists of
29.13 varied, progressive, nonrepetitive, practical experience in the discipline of geoscience in
29.14 which the applicant is seeking licensure ~~in~~, developing the ability to apply the theoretical
29.15 knowledge gained during academic training in making sound judgments in completing
29.16 geoscientific work. The experience shall include elements of research, planning, technical
29.17 specifications, codes and standards, research and analysis, economics, safety, observation

29.18 of ongoing work, and the inspection of the completed project. Experience shall be written
29.19 in detail, verified by the applicant's supervisor, and submitted with the application for
29.20 evaluation and approval by the board. Qualifying experience must be acquired after
29.21 graduation from a baccalaureate or higher degree curriculum in a discipline of geoscience
29.22 approved by the board ~~for~~ in the discipline which the applicant is seeking licensure
29.23 ~~in~~, except that continuous experience in periods of ten or more weeks gained before
29.24 graduation shall be counted if gained as specified in subpart 3, item B.

29.25 Subp. 7. [See repealer.]

30.1 **1800.3920 WRITTEN EXAMINATION.**

30.2 Subpart 1. **Two-part examination.** The written examination consists of the two parts
30.3 as described in subparts 2 and 3. The written examinations for geologists shall be the
30.4 examinations as provided by the National Association of State Boards of Geologists
30.5 (ASBOG) as described in subpart 4, item A. The written examinations for soil scientists
30.6 shall be the examinations provided by the Council of Soil Science Examiners (CSSE) as
30.7 described in subpart 4, item B. ~~The geoscience examinations are administered by the~~
30.8 ~~board using the procedures prescribed by ASBOG for CSSE.~~

30.9 Subp. 2. **Fundamentals examination.** An applicant shall be admitted to the
30.10 fundamentals examination for a geoscience discipline, if, by the date of the examination,
30.11 the applicant has completed the education requirements in part 1800.3910, subpart 2. The
30.12 applicant shall submit an official transcript from the college or university the applicant
30.13 is attending or has attended. An applicant taking the fundamentals examination in ~~the a~~
30.14 ~~geoscience discipline the applicant is seeking licensure in~~ shall be notified of the score in
30.15 writing, ~~provided the applicant has met the criteria in this subpart.~~ An applicant failing
30.16 this examination and electing to take the examination again shall ~~retake~~ take the entire
30.17 examination. A description of the scope of the fundamentals examinations for each
30.18 geoscience discipline is provided in subpart 4.

30.19 A final official transcript showing the degree awarded and ~~the date awarded of~~
30.20 graduation shall be submitted to the board before the in-training ~~certificate in the~~
30.21 ~~geoscience discipline the applicant is seeking licensure in~~ number is released to the
30.22 applicant. The passing of this examination and providing proof of the degree ~~and the~~
30.23 ~~award date~~ awarded and date of graduation gives the applicant the in-training status ~~in~~
30.24 ~~the geoscience discipline the applicant is seeking licensure in~~ as defined in Minnesota
30.25 Statutes, section 326.10, subdivision 7, paragraph (4 ~~3~~). ~~The applicant shall not again be~~
30.26 ~~required to take this examination.~~ The applicant shall take and pass the fundamentals
31.1 examination in the geoscience discipline for which the applicant is seeking licensure ~~in~~
31.2 before being permitted to take the professional examination.

31.3 Subp. 3. **Professional examination.** An
applicant shall be admitted to the professional
31.4 examination in the geoscience discipline in which the applicant is seeking licensure, if, by
31.5 the date of the examination, the applicant has ~~passed~~ received confirmation of passing the
31.6 fundamentals examination in the geoscience discipline in which the applicant is seeking
31.7 licensure ~~in~~ and meets the education and experience requirements in part 1800.3910,
31.8 subpart 3. The applicant shall submit verification of completion of the experience
31.9 requirements in part 1800.3910, subpart 3, to the board before the applicant is qualified for
31.10 admission to the professional examination. The professional examination covering the
31.11 principles and practice of geoscience in the geoscience discipline in which the applicant is
31.12 seeking licensure ~~in~~ is required as described in subpart 4. A person failing the professional
31.13 examination and electing to take the examination again shall ~~retake~~ take the entire
31.14 professional examination. A description of the scope of the professional ~~examinations~~
31.15 examination for each geoscience discipline is provided in subpart 4.

31.16 Subp. 4. **Scope and description of examinations.**

31.17 A. The scope and description of the geology examinations are as described in
31.18 subitems (1) and (2).

31.19 (1) The Fundamentals of Geology (FG) examination shall be administered at
31.20 a time and place designated by the board to those applicants determined by the board
31.21 to meet the requirements of part 1800.3910, ~~subparts~~ subpart 2 and 4, for admission
31.22 to the examination. ~~The passing of this examination gives the applicant the status of~~
31.23 ~~geologist-in-training. An official transcript of grades showing the date of award of the~~
31.24 ~~degree earned shall be submitted to the board before the applicant may be certified~~
31.25 ~~as geologist-in-training.~~

32.1 The FG examination consists of multiple-choice
questions which emphasize knowledge
32.2 and skills that are typically acquired in an academic setting and lead to a baccalaureate
32.3 degree in geology.

32.4 (2) ~~The professional geologist~~
Practice of Geology (PG) examination shall be
32.5 administered at a time and place designated by the board to those applicants determined
32.6 by the board to meet the requirements of part 1800.3910, ~~subparts~~ subpart 3 and 4, for
32.7 admission to the examination. ~~The passing of the examination gives the applicant the~~
32.8 ~~status of registered professional geologist.~~

32.9 The ~~professional geologist~~ PG examination covers the principles and practice
32.10 of geology. The examination shall include questions embracing the knowledge of
32.11 professional practice and applied geology as acquired in connection with research,
32.12 planning, and completion of geological work during the required period of geological
32.13 experience. ~~The professional~~ PG examination is given to determine the degree of
32.14 proficiency of the applicant in professional practice. This examination shall include
32.15 questions designed to test whether the applicant has learned to apply the knowledge and

32.16 understanding of the basic and geoscientific sciences gained through education, training,
32.17 and experience to the solutions of geological problems.

32.18 B. The scope and description of the soil science examinations are as described
32.19 in subitems (1) and (2).

32.20 (1) The Fundamentals of Soil

Science (FSS) examination shall be administered

32.21 at a time and place designated by the board to those applicants determined by the board to
32.22 meet the requirements of part 1800.3910, subpart 2, for admission to the examination.

32.23 ~~The passing of this examination gives the applicant the status of soil scientist-in-training.~~

32.24 ~~An official transcript of grades showing the date of award of the degree earned shall be~~
32.25 ~~submitted to the board before the applicant may be certified as soil scientist-in-training.~~

33.1 The FSS examination consists of multiple-choice questions which emphasize
33.2 knowledge and skills that are typically acquired in an academic setting and lead to a
33.3 baccalaureate degree in soil science.

33.4 (2) ~~The professional soil scientist~~

Professional Practices in Soil Science (PSS)

33.5 examination shall be administered at a time and place designated by the board to those
33.6 applicants determined by the board to meet the requirements of part 1800.3910, subpart 3,
33.7 for admission to the examination. ~~The passing of the examination gives the applicant the~~
33.8 ~~status of registered professional soil scientist.~~

33.9 ~~The professional soil scientist~~ PSS examination covers the principles and practice
33.10 of soil science. The examination shall include questions embracing the knowledge of
33.11 professional practice and applied soil science as acquired in connection with research,
33.12 planning, and completion of soil science work during the required period of soil science
33.13 experience. ~~The professional~~ PSS examination is given to determine the degree of
33.14 proficiency of the applicant in professional practice. This examination shall include

33.15 questions designed to test whether the applicant has learned to apply the knowledge and
33.16 understanding of the basic and geoscientific sciences gained through education, training,
33.17 and experience to the solutions of soil science problems.

33.18 [For text of subp 5, see M.R.]

33.19 **1800.3930 PROCEDURES.**

33.20 Subpart 1. ~~Application deadline~~ **Request for admission to the fundamentals**
33.21 **examination.** An applicant shall submit an application for admission to the fundamentals
33.22 examination in the geoscience discipline in which the applicant is seeking licensure ~~in~~
33.23 as described in part 1800.3920, subpart 2. The application must be postmarked not later
33.24 than 60 days prior to the ~~first day of the~~ date set for the fundamentals examination and
33.25 accompanied by payment of the fee in part 1800.0500, subpart 1.

34.1 Subp. 2. **Request for admission to the professional examination.** An applicant
34.2 shall submit an application for admission to the ~~principles and practice of professional~~
34.3 geoscience examination in the geoscience discipline in which the applicant is seeking
34.4 licensure ~~in~~ as explained in part 1800.3920, subpart 3. The application must be postmarked
34.5 not later than 60 days prior to the date set for the professional examination and accompanied
34.6 by payment of the fee in part 1800.0500, subpart 1. The application shall be made on a
34.7 form provided by the board and shall include a detailed listing of geoscience experience
34.8 gained. The experience listing shall include the name and current mailing address of the
34.9 applicant's direct supervisor for each period of employment. The board shall provide the
34.10 applicant an employment ~~reference~~ verification form which shall be signed, certified, and
34.11 submitted to the board by ~~the each~~ each employer for each period of employment during which
34.12 qualifying geoscience experience was gained. The board shall provide the applicant
34.13 a reference form which shall be signed, certified, and submitted to the board by three
34.14 references who are supervisors, coworkers, clients, or contractors knowledgeable in the
34.15 applicant's geoscience work. At least one reference shall be from a licensed professional

34.16 geologist or licensed professional soil scientist. A final official transcript of grades
 34.17 ~~showing the date of award of the degree earned~~ the degree awarded and date of graduation
 34.18 shall be submitted directly to the board by the educational institution, unless previously
 34.19 submitted. Upon approval of the application by the board, the applicant will be so notified
 34.20 in writing. The applicant shall submit one signed copy of a statement that the applicant has
 34.21 read the Board Rules of Professional Conduct prior to obtaining the ~~certificate and~~ license.

34.22 **1800.4200 CERTIFICATION AND SIGNATURE ON PLANS.**

34.23 [For text of subps 1 to 3, see M.R.]

34.24 Subp. 4. **Language.** The following wording shall be incorporated in the certification:

35.1 I hereby certify that this plan, specification, or report was prepared by me or under my
 35.2 direct supervision and that I am a duly Licensed Architect under the laws of the state
 35.3 of Minnesota.

35.4 Signature: _____ Typed or Printed Name: _____

35.5 Date _____ Reg. Lic. No. _____

35.6 I hereby certify that this plan, specification, or report was prepared by me or under my
 35.7 direct supervision and that I am a duly Licensed Professional Engineer under the laws
 35.8 of the state of Minnesota.

35.9 Signature: _____ Typed or Printed Name: _____

35.10 Date _____ Reg. Lic. No. _____

35.11 I hereby certify that this survey, plan, or report was prepared by me or under my direct
 35.12 supervision and that I am a duly Licensed Land Surveyor under the laws of the state
 35.13 of Minnesota.

35.14 Signature: _____ Typed or Printed Name: _____

35.15 Date _____ Reg. Lic. No. _____

35.16 I hereby certify that this plan, specification, or report was prepared by me or under my
 35.17 direct supervision and that I am a duly Certified Interior Designer under the laws of the
 35.18 state of Minnesota.

35.19 Signature: _____ Typed or Printed Name: _____

35.20 Date _____ Reg. Cert. No. _____

35.21 I hereby certify that this plan, specification, or report was prepared by me or under my
 35.22 direct supervision and that I am a duly Licensed Landscape Architect under the laws
 35.23 of the state of Minnesota.

35.24 Signature: _____ Typed or Printed Name: _____

35.25 Date _____ Reg. Lic. No. _____

36.1 I hereby certify that this plan, document, or report was prepared by me or under my
 36.2 direct supervision and that I am a duly Licensed Professional Geologist under the laws
 36.3 of the state of Minnesota.

36.4 Signature: _____ Typed or Printed Name: _____

36.5 Date _____ Reg. Lic. No. _____

36.6 I hereby certify that this plan, document, or report was prepared by me or under my
 36.7 direct supervision and that I am a duly Licensed Professional Soil Scientist under the
 36.8 laws of the state of Minnesota.

36.9 Signature: _____ Typed or Printed Name: _____

36.10 Date: _____ Reg. Lic. No. _____

36.11 Subp. 5. **Permanence of document certification.** When a document has been
 36.12 certified with the signature of the design professional as specified in subparts 1 to 4, that
 36.13 signature becomes a permanent part of that document and ~~cannot~~ must not be removed at
 36.14 a later date for any reason.

36.15 **1800.4300 SEAL.**

36.16 Each person may, upon licensure or certification, also obtain a seal ~~of a design approved~~
 36.17 ~~by the board~~ bearing the licensee's or certificate holder's name and the legend, licensed

36.18 architect, licensed professional engineer, licensed land surveyor, licensed ~~professional~~
36.19 landscape architect, licensed professional geologist, ~~or~~ licensed professional soil scientist,
36.20 or certified interior designer. Plans, specifications, plats, reports, and other documents
36.21 prepared by a licensee or certificate holder may be stamped with the seal during the life of
36.22 a licensee's license or certificate holder's certificate if ~~the certificate~~ it remains unrevoked,
36.23 has not expired, or has not been suspended. The stamped seal may be used on documents
36.24 in addition to the signed and dated ~~certificate~~ certification required under part 1800.4200.

37.1 **1800.4600 PROFESSIONAL ~~CORPORATIONS~~ FIRMS.**

37.2 Professional ~~corporations~~ firms and foreign
37.3 professional ~~corporations~~ firms are required
37.4 to file periodic reports with the board in accordance with Minnesota Statutes, ~~section~~
37.5 ~~319A.21~~ chapter 319B.

37.5 **1805.1600 RESPONSIBLE CHARGE AND DIRECT SUPERVISION.**

37.6 Subpart 1. **Responsible charge; defined.** A person in responsible charge of
37.7 architectural, engineering, land surveying, ~~or~~ landscape architectural, geoscience, or
37.8 certified interior design work as used in Minnesota Statutes, section 326.14 means the
37.9 person who determines design policy, including technical ~~questions~~ aspects, advises with
37.10 the client, superintends subordinates during the course of the work and, in general, the
37.11 person whose professional skill and judgment are embodied in the plans, designs, and
37.12 advice involved in the work. Plans and specifications for buildings, structures, or projects
37.13 of standard design which have been designed outside the state shall bear the certification
37.14 of the design professional licensed in another United States licensing jurisdiction.
37.15 In addition, a Minnesota licensed architect, professional engineer, ~~or~~ land surveyor,
37.16 landscape architect, professional geologist, professional soil scientist, or certified interior
37.17 designer shall review the design and certify that it is appropriate to the site on which

37.18 construction is proposed and is in compliance with the State Building Code adopted by the
37.19 Department of Administration where the building code is in effect.

37.20 Subp. 2. **Direct supervision; defined.** A person in direct supervision of work as
37.21 referred to in Minnesota Statutes, section 326.12, subdivision 3, means that person who
37.22 is the employer, an employee of the same firm, or who is under contract to or from
37.23 another firm and who is in responsible charge of the technical; aspects of the architectural,
37.24 engineering, land surveying, ~~or~~ landscape architectural, geoscience, or certified interior
37.25 design work in progress, and whose professional skill and judgment are embodied in the
37.26 plans, specifications, reports, plats, or other documents required to be certified pursuant
38.1 to that subdivision. A person in direct supervision of work directs the work of other
38.2 licensees, interns, draftspersons, technicians, ~~or~~ and clerical persons assigned to that work
38.3 and is in responsible charge of the project comprising the work being supervised.

38.4 **REPEALER.** Minnesota Rules, parts 1800.3905; 1800.3910, subparts 4 and 7; and
38.5 1800.3915, are repealed.