

Office of the Revisor of Statutes Administrative Rules



TITLE: Adopted Permanent Rules Relating to Pool Operations

AGENCY: Minnesota Department of Health

REVISOR ID: R-4442

MINNESOTA RULES: Chapter 4717

The attached rules are approved for
filing with the Secretary of State

A handwritten signature in cursive script, reading "Sandy Glass-Sirany".

Sandy Glass-Sirany
Senior Assistant Revisor

Date Filed: July 15, 2021
Document Number: 220119
Office of the Minnesota Secretary of State
Steve Simon

11/12/20

REVISOR

SGS/EH

AR4442

1.1 **Minnesota Department of Health**

1.2 **Adopted Permanent Rules Relating to Pool Operations**

1.3 **4717.0650 POOL OPERATION AND MAINTENANCE; OPERATOR TRAINING.**

1.4 *[For text of subparts 1 to 4, see Minnesota Rules]*

1.5 Subp. 5. **Operator training.** The owner or operator must ensure that the designated
1.6 trained operator is trained to operate the pool in compliance with parts 4717.0150 to
1.7 4717.3975.

1.8 *[For text of items A to D, see Minnesota Rules]*

1.9 E. Acceptable training courses are:

1.10 (1) the National Swimming Pool Foundation Certified Pool Operator course;

1.11 (2) the National Spa and Pool Institute Tech I and Tech II courses (both
1.12 required);

1.13 (3) the National Recreation and Park Association Aquatic Facility Operator
1.14 course;

1.15 (4) the Aquatic Training Institute Certified Pool Technician course; or

1.16 (5) the Human Kinetics Starfish Aquatics Institute Aqua Tech course.

1.17 *[For text of item F, see Minnesota Rules]*

1.18 **4717.1350 POOL FACILITY CAPACITY.**

1.19 *[For text of subpart 1, see Minnesota Rules]*

1.20 Subp. 2. **Pool user capacity.** User capacity must be determined as specified in this
1.21 subpart.

1.22 *[For text of items A and B, see Minnesota Rules]*

2.1 C. Spa pools must be limited to one user for each three linear feet of seating space
2.2 provided in the spa pool, measured along the front edge of the seats.

2.3 **4717.1750 POOL WATER CONDITION.**

2.4 *[For text of subparts 1 and 2, see Minnesota Rules]*

2.5 Subp. 3. **Disinfection residual.** When in use, a pool must be continuously disinfected
2.6 with a chemical that imparts an easily measured, free available residual.

2.7 *[For text of items A to E, see Minnesota Rules]*

2.8 *[For text of subparts 4 to 8, see Minnesota Rules]*

2.9 Subp. 9. [See repealer.]

2.10 Subp. 10. [See repealer.]

2.11 Subp. 11. **Use of cyanuric acid.**

2.12 A. Use of cyanuric acid in any new indoor pool is prohibited after the effective
2.13 date of this rule.

2.14 B. Use of cyanuric acid in any existing indoor pool is prohibited two years after
2.15 the effective date of this rule.

2.16 C. Use of cyanuric acid in any pool requires testing and recording of the cyanuric
2.17 acid level at least once a week.

2.18 D. Where cyanuric acid is used to stabilize chlorine, the concentration of cyanuric
2.19 acid in the pool must not exceed 100 parts per million.

2.20 **4717.2570 RECIRCULATION EQUIPMENT.**

2.21 *[For text of subparts 1 to 3, see Minnesota Rules]*

2.22 Subp. 4. **Rate-of-flow indicator.** A rate-of-flow indicator, reading in gallons per
2.23 minute, must be installed and located, preferably on the pool return line, so the rate of

3.1 recirculation and backwash rate are indicated. The indicator must be accurate within ten
3.2 percent of the true flow and be easy to read.

3.3 *[For text of subparts 5 to 7, see Minnesota Rules]*

3.4 **4717.2595 SKIMMERS.**

3.5 Subpart 1. **Skimmers.** Skimmers are permitted in lieu of a gutter if the suction outlets
3.6 induce enough motion to the pool water to remove floating oil and waste from the entire
3.7 pool surface, and the edge of the pool deck provides a handhold for swimmers.

3.8 *[For text of items A to F, see Minnesota Rules]*

3.9 G. If skimmer equalizer pipes exist, or are constructed, they must include an
3.10 ASME/ANSI VGB approved suction fitting, or be permanently plugged.

3.11 *[For text of subpart 2, see Minnesota Rules]*

3.12 **4717.3450 LIGHTING, VENTILATION, AND ELECTRICAL REQUIREMENTS.**

3.13 Subpart 1. **Lighting.** Lighting must meet the criteria in this part.

3.14 A. Light must be located to provide illumination so all portions of the pool,
3.15 including the bottom, may be seen without glare.

3.16 B. Area lighting must provide at least ten footcandles of illumination at all locations
3.17 on the pool surface and on any deck within five feet of the pool whenever the pool is in use.

3.18 C. A pool used for education, training, or competition must have at least 30
3.19 footcandles of illumination on the pool surface and on any deck within five feet of the pool.

3.20 *[For text of subparts 2 and 3, see Minnesota Rules]*

3.21 **4717.3850 SPA POOLS.**

3.22 *[For text of subparts 1 to 9, see Minnesota Rules]*

4.1 Subp. 10. **Signs.** In addition to the signs required in parts 4717.1050, 4717.1350, and
4.2 4717.1650, signs with the warnings in items A to C must be posted and plainly visible in
4.3 the spa pool area.

4.4 *[For text of items A to C, see Minnesota Rules]*

4.5 **4717.3970 POOL CLOSURE.**

4.6 When any of the conditions in items A to E are found, a public pool must be immediately
4.7 closed to use when so ordered by the commissioner. The owner of the pool or the owner's
4.8 agent must place a sign at the entrance to the pool indicating that the pool is closed. The
4.9 pool must remain closed until the condition is corrected and approval to reopen is granted
4.10 by the commissioner. A pool must be closed when:

4.11 *[For text of items A and B, see Minnesota Rules]*

4.12 C. the disinfection residual specified in part 4717.1750, subpart 3, item A or B,
4.13 is not met;

4.14 *[For text of items D and E, see Minnesota Rules]*

4.15 **REPEALER.** Minnesota Rules, parts 4717.0310; 4717.1250; 4717.1450, subpart 5; and
4.16 4717.1750, subparts 9 and 10, are repealed six months after adoption of this rule.

4.17 **EFFECTIVE DATE.** The amendments to Minnesota Rules, parts 4717.0650 to 4717.3970,
4.18 are effective six months after adoption.

July 15, 2021

VIA EMAIL ONLY

Nancy Breems
Secretary of State, Elections Division
180 State Office Building
100 Rev Dr Martin Luther King Jr Blvd
St. Paul, Minnesota 55155-1299
official.documents@state.mn.us

Re: *In the Matter of the Proposed Rules of Health Governing Public Pools, Minnesota Rules, Chapter 4717; Rev ID Number R-4442*
OAH 8-9000-36964; Revisor R-4442

Dear Ms. Breems:

Enclosed for filing is an electronic copy of the above-entitled adopted rules.

Please send the agency copy of the rules to:

Linda D. Prail
Minnesota Department of Health
PO Box 64975
Saint Paul, MN 55164

If you have any questions regarding this matter, please contact Denise Collins at (651) 361-7875, denise.collins@state.mn.us or via facsimile at (651) 539-0310.

Sincerely,



Michelle Severson
Legal Assistant

Enclosures

cc: Linda D. Prail (via email)

Date Filed: July 15, 2021
Document Number: 220119
Office of the Minnesota Secretary of State
Steve Simon