

**4620.4510 MEASUREMENT OF AIR QUALITY CONDITIONS.**

Subpart 1. **Measuring air quality.** Owners or operators of indoor ice arenas must measure carbon monoxide and nitrogen dioxide air concentrations in each arena when internal combustion engine-powered ice maintenance equipment is used.

Subp. 2. **Persons who can take measurements.** Measurements must be made by an individual who has received training as specified in part 4620.4450.

Subp. 3. **Measurements for ice resurfacing.** Owners or operators must measure air concentrations at least twice per week after using an internal combustion engine-powered ice resurfer. Measurements must be taken:

- A. at board height, inside the boards, and at the centerline of the ice;
- B. 20 minutes after completing resurfacing unless the commissioner has granted the operator approval to measure under an alternative schedule;
- C. at times of maximum use of the resurfacing machine; and
- D. at least once on Saturday or Sunday of each week that the arena is open to the public.

Subp. 4. **Measurements for ice edging.**

A. Owners or operators must measure air concentrations at least once per week after using an internal combustion engine-powered ice edger. Measurements must be taken following a time of maximum ice edger use at board height, inside the boards, and at the centerline of the ice:

- (1) 20 minutes after completing edging if the arena building is open to the public when edging occurs; or
- (2) before the public reoccupies the arena, if the arena is not open to the public when edging occurs.

B. Owners or operators may measure under an alternative schedule if the commissioner has approved one.

Subp. 5. **Measurement records.** Owners or operators must keep a record of measurement findings and make them available to the commissioner upon request.

Subp. 6. **Additional measurements.** Owners or operators must make additional measurements as determined by the commissioner.

**Statutory Authority:** *MS s 144.1222*

**History:** *37 SR 1663*

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