

**567—50.9(455B) Conditions on permitted water uses.** This rule includes permit restrictions that apply to various types of permitted water uses. A permitted use may be subject to additional restrictions related to its potential effects on surface or groundwater. Procedures for determining conditions imposed due to well interference are found in 567—Chapter 54.

**50.9(1) Irrigation water use permits.**

*a. Authorized irrigation season.* Permits shall authorize irrigation of any general crop from April 1 to September 30 and any specialty crop from April 1 to October 31 unless the department finds that a different period is justified.

*b. Authorized annual amount.* Permits shall authorize withdrawals equivalent to one acre-foot per acre for a general crop and two acre-feet per acre for a specialty crop unless the department finds that a different amount is justified. Notwithstanding the general criteria in this paragraph, permits for irrigation of general crops from the alluvial aquifers of the Missouri and Mississippi Rivers shall authorize withdrawals of up to 1.5 acre-feet per acre if requested by the applicant unless the department finds that a different amount is justified.

*c. Conservation plan for erosion control.* Where 50.6(2) requires the submission of a soil conservation plan, an irrigation water use permit shall make authorization of irrigation contingent upon compliance with the soil conservation plan.

*d. Irrigation scheduling.* The department may require that irrigation of a general crop be scheduled according to a department-recommended method to minimize the potential for waste of water or by an equivalent method selected by the permittee and approved by the department.

*e. Irrigation system check valve.* Each irrigation water use permit shall require the installation of an adequate check valve and frequent inspections of proper valve function to prevent contaminants from back-siphoning into the water source before a fertilizer, pesticide, herbicide, or other additive is introduced into the irrigation system.

**50.9(2)** The amount of water authorized for industrial use or power generation use shall be consistent with industry-wide usage for the same or similar purposes and types of facilities and shall provide for growth where need is demonstrated by the applicant.

**50.9(3)** The amount of water authorized for use by a CWS shall not exceed 200 gallons per day per capita, except that additional water may be authorized for growth and industrial use where need is demonstrated by the applicant.

**50.9(4) Recreational and aesthetic water use permits.**

*a. Authorized amount.* The amount of water authorized for recreational and aesthetic uses shall be determined on a case-by-case basis.

*b. Watering system backflow-prevention valve.* Water use permits authorizing the use of water for turf or landscape plantings shall require the installation of an adequate check valve and annual inspections of proper valve function to prevent contaminants from back-siphoning into the water source before a fertilizer, pesticide, herbicide, or other additive is introduced into the irrigation system.

This rule is intended to implement Iowa Code section 455B.265.

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