

567—52.2(455B) Conditions on permitted water uses. This rule includes permit restrictions which 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. Requirements and restrictions which relate to particular types of water sources are found in rules 52.3(455B), 52.4(455B), 52.6(455B), 567—53.6(455B) and 567—53.7(455B). Procedures for determining conditions imposed due to well interference are found in rule 567—54.7(455B).

52.2(1) Irrigation 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 1 acre-foot per acre for a general crop and 2 acre-feet per acre for a specialty crop unless the department finds that a different amount is justified. Factors to be considered in determining whether a different amount is justified include soil types and potential water availability during drought events. 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. When 567—subrule 50.6(2) requires that an applicant for an irrigation permit submit a soil conservation plan, any permit granted to the applicant 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 method recommended by the department 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 permit shall require the permittee to install an adequate check valve and conduct frequent inspections for the proper functioning of the check valve to prevent back-siphoning of contaminants into the water source before a fertilizer, pesticide, herbicide, or other additive is introduced into the irrigation system.

52.2(2) The amount of water authorized for industrial use or power generation use shall be consistent with industrywide usage for the same or similar purposes and types of facilities and shall provide for growth where need is demonstrated by the applicant.

52.2(3) The amount of water authorized for use by a community public water supply shall not exceed 200 gallons per day per capita except additional water may be provided for growth and industrial use where need is demonstrated by the applicant.

52.2(4) Recreational and aesthetic 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. Each permit authorizing the use of water for turf or landscape plantings shall require the permittee to install an adequate check valve and conduct frequent inspections for the proper functioning of the check valve to prevent back-siphoning of contaminants 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.