

567—53.5(455B) Information requirements for applications to withdraw water from protected sources. An applicant proposing to withdraw water from a protected source, as listed in rule 567—53.7(455B), may be required to submit information necessary for the department to determine the effects resulting from such withdrawal.

53.5(1) *Withdrawals from protected groundwater sources.* Applicants for permits may be required to provide that information detailed in rule 567—50.7(17A,455B) and additional predictive geohydrological and chemical analyses of the groundwater source. Where there is potential for a known contaminant to migrate, predictive analyses may also be requested to show potential movement and effects of the withdrawal on the piezometric head. Monitoring may be required in a permit authorizing withdrawals from a protected groundwater source.

53.5(2) *Withdrawals from protected surface water sources.* Applicants for permits may be required to demonstrate the effect of proposed withdrawals on downstream discharges, surrounding alluvial systems, natural biological systems, and potential changes in the frequency at which protected stream discharge levels are reached for any stream or stream reaches listed in rule 567—53.7(455B).

This rule is intended to implement Iowa Code sections 455B.262, 455B.264 through 455B.274 and 455B.278.