

567—23.5 (455B) Anaerobic lagoons.

23.5(1) Applications for construction permits for animal feeding operations using anaerobic lagoons shall meet the requirements of rules 567—65.9(455B) and 65.15(455B) to 65.17(455B).

23.5(2) Criteria for approval of industrial anaerobic lagoons.

a. Lagoons designed to treat 100,000 gpd or less.

(1) The sulfate content of the water supply shall not exceed 250 mg/l. However, this paragraph does not apply to an expansion of an industrial anaerobic lagoon facility which was constructed prior to February 22, 1979.

(2) The design loading rate for the total lagoon volume shall not be less than 10 pounds nor more than 20 pounds of biochemical oxygen demand (five day) per thousand cubic feet per day.

b. Lagoons designed to treat more than 100,000 gpd.

(1) The sulfate content of the water supply shall not exceed 100 mg/l. However, this paragraph does not apply to an expansion of an industrial anaerobic lagoon facility which was constructed prior to February 22, 1979.

(2) The design loading rate for the total lagoon volume shall not be less than 10 pounds nor more than 20 pounds of biochemical oxygen demand (five day) per thousand cubic feet per day.

This rule is intended to implement Iowa Code section 455B.133.