

Kansas Administrative Regulations

Kansas Corporation Commission

Article 3.—Production and Conservation of Oil and Gas

82-3-707. Groundwater management districts #2 and #5: anode, anode conductor, and anode conductor grout requirements for cased and uncased boreholes.

This regulation shall apply only within the boundaries of groundwater management districts #2 and #5. (a) Each operator, owner, or person responsible shall install anodes and anode conductor in each cased cathodic protection borehole starting five feet below the bottom of the cathodic surface casing.

(b) Each operator, owner, or person responsible shall install anodes and anode conductor grout in uncased boreholes according to the following requirements:

(1) Each anode for use in a public water supply system shall meet or exceed the requirements specified in section 4.2.3, "anode materials," in the American water works association's standard D104-01, as approved in 2001. Section 4.2.3 of this document is hereby adopted by reference.

(2) Each anode shall be installed from a minimum of three feet above the shale or impermeable bedrock surface to a maximum of 20 feet below land surface.

(3) The anode conductor grout shall be placed from the total depth to five feet above the anode nearest the land surface, using a grout tremie pipe or as recommended by the grout manufacturer.

(4) The anode conductor grout shall be certified by the national sanitation foundation to meet the criteria specified in section 8 of "drinking water treatment chemicals—health effects," NSF/ ANSI 60-2003e, as revised in October 2003. Section 8 of this document, titled "miscellaneous water supply products" and consisting of pages 27 through 34, is hereby adopted by reference.

(5) Anode conductor grout containing bentonite clay or any other similar material shall not be used if the salinity equals or exceeds 2,000 mg/L chloride in any portion of an aquifer.

(c) Each failure to install anodes or grouting material in accordance with this regulation shall be punishable by a penalty of up to \$2,500.

(Authorized by K.S.A. 55-152 and K.S.A. 2003 Supp. 82a-1028; implementing K.S.A. 55-152, K.S.A. 2003 Supp. 55-164, and K.S.A. 2003 Supp. 82a-1028; effective, T-82-1-21-04, Jan. 21, 2004; effective May 14, 2004.)

***** Authenticated Kansas Administrative Regulation *****