RULES AND REGULATIONS
KANSAS CORPORATION COMMISSION
(Excerpted)
May 2004

K.A.R. 82-3-708. Groundwater management districts #2 and #5: surface construction requirements for cased cathodic protection boreholes. This regulation shall apply only within the boundaries of groundwater management districts #2 and #5.

(a) Each operator, owner, or person responsible shall ensure that the top of the cathodic protection borehole casing of each cased borehole meets one of the following requirements:
  1) Terminates a minimum of three feet above land surface or one foot above the highest known flood elevation greater than three feet above land surface;
  2) is equipped with a water-resistant and structurally sound vault; or
  3) terminates a minimum of three feet below land surface.

(b) The minimum construction requirements for each cased cathodic protection borehole shall be the following:
  1) The top of the cathodic protection borehole casing shall meet the following requirements:
    (A) Be constructed to prevent damage to the cathodic protection borehole casing, prevent entry of contaminants, and deter unauthorized access to the installation;
    (B) be constructed so that surface drainage is directed away from the installation;
    (C) be equipped with a watertight seal, cover, or an equivalent device approved by the appropriate GMD office; and
    (D) be equipped with an easily visible sign identifying the cathodic borehole permit number and the borehole owner.
  2) The borehole shall be vented of any gases according to the following requirements:
    (A) The vent pipe shall terminate a minimum of either three feet above land surface or one foot above the highest known flood elevation greater than three feet above land surface.
    (B) The aboveground terminus end of the vent pipe shall be turned 180 degrees and equipped at the terminus end with a 16-mesh or greater brass, bronze, or copper screen, or other material with similar properties if that material is approved by the manager of the appropriate GMD office.
    (C) Gases shall not be vented or released if the release is a hazard to public health and safety or the environment.
  3) The cathodic protection borehole casing vault shall meet the following requirements:
    (A) Be strong enough to support vehicular traffic where this traffic could occur; and
    (B) contact the cathodic protection borehole casing to form a water-resistant and structurally sound seal and connection.
  4) The cathodic protection borehole casing installation terminated below land surface shall meet the following minimum requirements:
    (A) Grout shall be placed in the borehole from a minimum of five feet below the bottom of the nonmetallic cathodic protection borehole casing to the top of the nonmetallic cathodic protection borehole casing by using a tremie pipe or by following the recommendation of the grout manufacturer.
    (B) The borehole shall be backfilled with clean and compacted topsoil from the top of the nonmetallic cathodic protection borehole casing to the land surface.

(c) Each operator, owner, or person responsible shall ensure that any concrete pad constructed around an aboveground cathodic protection borehole casing or vault meets the following requirements:
    1) Is a minimum of four inches thick;
    2) is sloped so that surface drainage is directed away from the installation;
    3) is free of cracks, voids, and other defects that detract from its watertightness; and
    4) has a joint between the base and the nonmetallic cathodic protection borehole casing that is structurally resistant to sound and water.

(d) Each failure to complete surface construction requirements for cathodic protection boreholes in accordance with this regulation shall be punishable by a penalty of up to $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.)