

**EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2**

313 Spruce Street  
Halstead, Kansas 67056-1925  
(316) 835-2224

**FORM CP-15  
APPLICATION FOR PERMIT TO DRILL AND CONSTRUCT  
AN UNCASSED CATHODIC PROTECTION BOREHOLE**

Permit Application Number CPB-\_\_\_\_\_

**To the Equus Beds Groundwater Management District No. 2:**

Comes now the applicant \_\_\_\_\_ whose address is:

\_\_\_\_\_  
(P.O. Box or Street) (City) (State) (Zip Code)  
\_\_\_\_\_  
(Area Code) (Telephone)

and makes application to the Equus Beds Groundwater Management District No. 2 for a permit to drill and construct a cathodic protection borehole in and through the Equus Beds aquifer in the county of \_\_\_\_\_ state of Kansas, to the extent and in accordance with the following:

1. The location of the proposed cathodic protection borehole is in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ south, Range \_\_\_\_\_ (west/east) and more particularly described as being near a point \_\_\_\_\_ feet north and \_\_\_\_\_ feet west of the apparent southeast corner of said section.
2. The proposed use of the cathodic protection borehole is to provide cathodic protection of the applicant's \_\_\_\_\_ facility from electrochemical corrosion.
3. The land surface elevation is \_\_\_\_\_ feet above mean sea level and the method of measurement used was (a) surveyed, (b) topographic map or (c) other \_\_\_\_\_.
4. The depth to surface or top of bedrock or shale is \_\_\_\_\_ feet below land surface.
5. The depth to the water table of the fresh water aquifer is \_\_\_\_\_ feet below land surface.
6. Aquifer salinity as indicated by chloride concentration is \_\_\_\_\_ mg/L and was determined by: (a) published report, (b) test well data, or (c) other \_\_\_\_\_.
7. The total depth of the cathodic protection borehole will not penetrate the bedrock surface and will be completed \_\_\_\_\_ feet below land surface.
8. The diameter of the uncased cathodic protection borehole will be a minimum of \_\_\_\_\_ inches.

9. Non toxic anodes that meet or exceed the American Water Works Association standards for use in public water supply systems will be installed beginning at a depth of \_\_\_\_\_ feet below land surface to a total depth of \_\_\_\_\_ feet below land surface.
10. Anode conductor grout, that is certified by the National Sanitation Foundation to meet the American National Standards Institute Standard 60 for use in drinking water treatment chemicals will be installed beginning at a depth of \_\_\_\_\_ feet below land surface to a total depth of \_\_\_\_\_ feet below land surface.
11. The uncased borehole from the top of the anode conductor grout will be grouted with: (a) neat cement, (b) cement, (c) bentonite clay grout, (d) bentonite cement, or (e) other \_\_\_\_\_, from a total depth of \_\_\_\_\_ feet below land surface to \_\_\_\_\_ feet below land surface.
12. The grouted uncased borehole will be backfilled with clean compacted topsoil from \_\_\_\_\_ feet below land surface to \_\_\_\_\_ feet above land surface.
13. Will the use of a drilling pit threaten to contaminate fresh and usable groundwater? \_\_\_\_\_ Yes \_\_\_\_\_ No. If Yes complete sections (a) and (b). Circle one: (a) the pit will be: (i) constructed so that the bottom and sides have a hydraulic conductivity no greater than  $1 \times 10^{-7}$  cm/sec., (ii) constructed above ground, or (iii) a portable above ground tank, and (b) the applicant has submitted a surface pond application to the Director, Conservation Division, Kansas Corporation Commission. \_\_\_\_\_ Yes \_\_\_\_\_ No.
14. A construction plan is submitted with the application and shows or illustrates the information contained in paragraphs #4 through #12.
15. The cathodic protection borehole will be abandoned and plugged if it: (a) is not completed due to unforeseen circumstances, (b) either contaminates or threatens to contaminate a fresh water aquifer, (c) encounters uncontrollable artesian flow, (d) has exhausted its anodes and replacement anodes are not installed within one year, or (e) has not been used for one year and the applicant does not demonstrate intentions to use it.
16. The applicant understands and is aware that the Equus Beds Groundwater Management District No. 2 has adopted a regulation that establishes minimum standards to drill, construct and abandon cathodic protection boreholes and agrees to comply with the adopted regulation. Further, the applicant may, pursuant to District policy D.S.P. 9007.1, appeal these regulations and request a waiver of an adopted regulation.
17. Dated at \_\_\_\_\_, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
(Applicant)

By \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

**APPLICANT - DO NOT CONTINUE BELOW DOUBLE LINE**



**For Equus Beds Groundwater Management District Use**

1) Application received on \_\_\_\_/\_\_\_\_/\_\_\_\_.

2) Application review by

\_\_\_\_\_

\_\_\_\_\_

(Title)

3) The application is hereby denied. The denial was based on the following findings:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4) The application meets or exceeds the Cathodic Protection Borehole K.A.R. 82-3-700 and K.A.R. 82-3-705 through K.A.R. 82-3-710 and is hereby approved by Board of Directors, Equus Beds Groundwater Management District No. 2 this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

\_\_\_\_\_

Equus Beds Groundwater Management District No. 2