

BIG BEND GROUNDWATER MANAGEMENT DISTRICT NO. 5

125 S. Main
Stafford, Kansas 67578
(620) 234-5352 Fax (620) 234-5718

FORM CP-15
APPLICATION FOR PERMIT TO DRILL AND CONSTRUCT
AN UNCASSED CATHODIC PROTECTION BOREHOLE
Referencing Kansas Corporation Commission Regulations
K.A.R. 82-3-700 through K.A.R. 82-3-710

Permit Application Number CPB-_____

To the Big Bend Groundwater Management District No. 5:

Applicant: _____

Address: _____
(P.O. Box or Street) (City) (State) (Zip Code)

Telephone: _____
(Area Code) (Telephone)

Application to the Big Bend Groundwater Management District No. 5 for a permit to drill and construct a cathodic protection borehole in and through the Big Bend 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 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 (bls).
5. The depth to the water table of the fresh water aquifer is ____ feet bls.
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 bls.
8. The diameter of the uncased cathodic protection borehole will be a minimum of _____ inches.
9. Nontoxic anodes that meet or exceed the American Water Works Association standards for use in public water supply systems and adopted through K.A.R. 82-

3-707 will be installed beginning at a depth of _____ feet bls to a total depth of _____ feet bls.

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 and adopted through K.A.R. 82-3-707 will be installed beginning at a depth of _____ feet bls.
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 bls to _____ feet bls.
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).
 - (a) The pit will be: (i) constructed so that the bottom and sides have a hydraulic conductivity no greater than 1×10^{-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. Has the applicant filed a completed Form KSONA-1 and plat map with this application? Yes No.
15. Does the Form KSONA-1 indicate that the applicant has provided the surface owner with a copy of this application, including the Form KSONA-1 and plat map? Yes No.
16. A construction plan is submitted with the application and shows or illustrates the information contained in paragraphs #4 through #18.
17. 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.
18. The applicant understands and agrees to comply with K.A.R. 82-3-700 through 82-3-710. Further, the applicant may request an exception to these regulations pursuant to K.A.R. 82-3-100(b).
19. Dated at _____, Kansas, this _____ day of _____, 20_____

(Applicant)

By _____
(Signature)

(Title)

APPLICANT DO NOT CONTINUE BELOW DOUBLE LINE

For Big Bend Groundwater Management District #5 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 Cathodic Regulations K.A.R. 82-3-700 through K.A.R. 82-3-710 and is hereby approved by the Big Bend Groundwater Management District No. 5 this ____ day of _____, 20____

Orrin Feril, Manager
Big Bend Groundwater Management District No. 5