Procedure for Obtaining a Saltwater Injection Well Permit

The requirements for submitting an application to obtain a permit for a saltwater injection well permit are contained in Rule 1501:9-3-06 of the Ohio Administrative Code. The following procedure is designed to meet the application requirements of that Rule.

A. Complete an Application for a Permit (Form 1) as instructed on the reverse side of that form. Be sure to include a copy of the Restoration Plan (Form 4). A fee of $1,000 dollars is required for a saltwater injection well permit.

   1) Ensure that Item 16 concerning the size of the unit is completed.

B. Complete the supplement to Application Form (Form 210).

   1) Item 31. List the geologic name or informal name of formation (e.g., Clinton, Newburg, Mt. Simon) as well as the depths proposed for injection and the lithology of the formation.

   2) Item 32A requires information in addition to that already listed in Item 25 of Form 1 such as amount and type of cement or prepared clay used or to be used in the sealing of the proposed injection well.

   3) Item 32B. Specify the method proposed for testing the integrity of the long-string casing before injection is to begin (e.g., pressure tests to be run after cementing of long-string and before perforation of long-string).

   4) Item 32C. Specify type, grade, and depth of tubing and packer to be used as well as stimulation techniques, including the proposed frac volumes, and any injectivity tests to be run on the proposed well.

   5) Item 32D. Give description of the unloading facilities such as ramps, settling tanks, filters, and pumps, Specify dike that design and dimensions should be of sufficient size to contain total volume as well as being of impermeable construction.

   6) Item 33 is self explanatory.

   7) Item 34. The average and maximum anticipated pressures to be utilized should be indicated. The maximum allowable injection pressure the Division will be authorizing will be determined by the following formula:

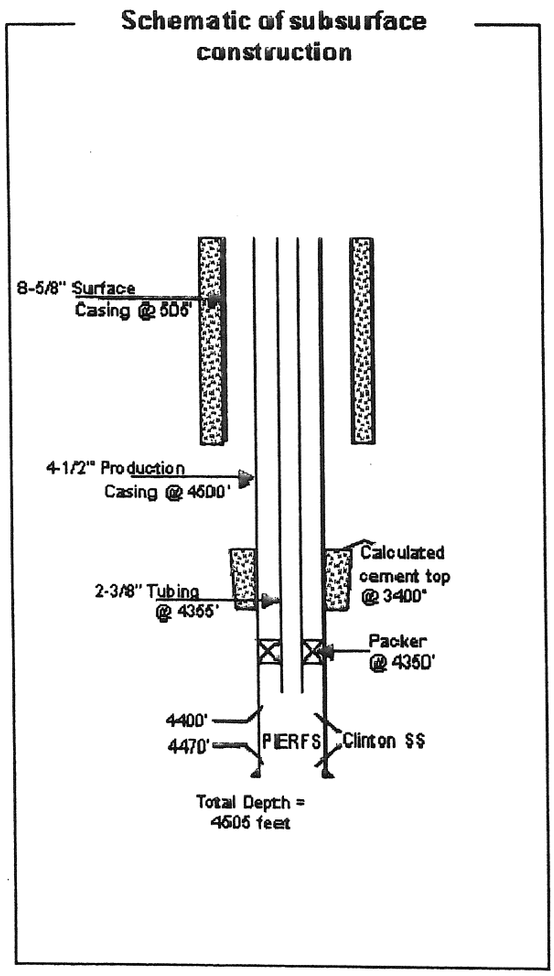
$$Pm = 0.75D - Pg\,D$$

Pm	=	Maximum surface injection pressure (psi)
0.75	=	Maximum injection pressure gradient allowed (psi/ft)
Pg	=	Pressure gradient of disposed fluid (psi/ft) (calculated by multiplying 0.433 by the specific gravity of the injected fluid)
D	=	Depth to highest perforation or top of open hold.

   8) Item 35. Indicate proposed remedial action for isolating the injection zone in all wells within the area of review of the proposed injection well which do not have casing adequately sealed to isolate the injection zone or are not properly plugged.

   9) Item 36. Submit a map containing the required information as stated in Item 36. However, if a surveyor's plat that meets the minimum requirements of the Division (attached sheet) is already on file with the Division, you may submit an additional map containing the information as required in Item 36(C) and (D).

   10) Item 37. Complete the schematic labeling all information as required. See Example on the back of this page.



11) Item 38. Attach to the application a list of the names and addresses of all persons required to receive a personal notice in accordance with 1501:9-3-06(E) (1).

C. All application forms, maps, and attachments must be submitted to the Division prior to proceeding with the notification process. Within five (5) working days after submittal, you will be notified if additional information is required or advised to proceed with public notification.

D. Upon completion of public notification, submit an oath (see attached affidavit) as to the delivery to those entitled to receive personal notice. This oath must be filed with the Division within thirty (30) days after the Division has advised you to proceed with the public notification process.

Providing all requirements have been fulfilled, the Division will issue a permit or deny the application no sooner than fifteen (15) days after the date of public notice and no later than twenty-one (21) days after the Division's receipt of proof of notice. The twenty-one (21) day deadline may be extended if a hearing is called by the Division; however, within seven (7) days after such hearing, the permit must be issued or the application denied.