

18. Complete the following table for proposed wells.

Owner ID	Latitude	Longitude	Depth	Screened/Open Interval	Est. Yield (In GPM)	Flow Measurement Method
1)						
2)						
3)						
4)						
5)						
6)						
7)						
8)						

19. Complete the following table for all wells. Use abbreviations provided on previous page for Type of Use.

Owner ID	Type of Use	Max. monthly withdrawal rate (in million gallons)	Max. yearly withdrawal rate (in million gallons)
1)			
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			
11)			
12)			
13)			
14)			
15)			
16)			
17)			
18)			

20. Please complete the following table for all other sources of water.

Owner ID - Purchased, Effluent, or Surface Water	Type of Use	Million gallons per month	Million gallons per year

21. Please describe any groundwater conservation methods that are in implemented or will be implemented within the next two years. (These include but are not limited to such practices as highly efficient equipment, wetting agents, other water sources, groundwater recycling, withdrawing from alternate aquifers, maintaining equipment, etc).

B. Irrigation.

Field / Course ID	Vegetation	Acres
1)		
2)		
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		
12)		
		Total Acres Irrigated:

C. Industrial

1. Describe your operation, including the types of products produced, and the uses for groundwater in the industrial process. Please include reason to use groundwater rather than alternative sources of water.

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2. Please Estimate to the best of your ability the volume of groundwater to be withdrawn and used for each industrial process. i.e. If you have 3 separate cooling processes, please list them separately by a known name such as 1,2,3, etc.

Process ID	Million gallons per month	Million gallons per year
Processing:		
Cleaning:		
Cooling:		

D. Signature.

I certify the information enclosed is true, complete, and that conservation measures will be researched and enacted when economically feasible.

Printed/Typed Name	Title
Signature	Date

Groundwater Withdrawal - Renewal, Application Directions for Doc. 3581

1. Purpose: This application is for a groundwater withdrawal permit and groundwater construction permit. These permits are required under the Groundwater Use and Reporting Act in all designated Capacity Use Areas for withdrawing groundwater equaling or in excess of 3 million gallons per month per well systems.

2. Outline of the application process:

Step 1. The Groundwater Use Application must have all categories that apply to the applicant completed. The application process will not be started until the Department receives a complete application. The original application shall be sent to SCDHEC, 2600 Bull St., Columbia, SC 29201, Groundwater Management Section. A copy of the application will be sent to either the Low Country District or the Waccamaw District, the original application will be kept on file in Columbia.

Step 2. A preliminary review of the application will assess whether proposed withdrawal limits comply with current DHEC standards. If proposed withdrawals look excessive for type of groundwater use, or the applicant proposes to withdraw groundwater in an area where excessive pumping currently exists, or known problems exist or have existed in the past, the applicant will be contacted and notified upon areas of concern.

Step 3. A public notice will be drafted and sent to the applicant, upon receiving the public notice the applicant will need to run the notice for one day and allow a thirty-day comment period in a newspaper of general circulation within the county where the groundwater withdrawal is proposed.

Step 4. Once the public notice appears in the newspaper, a notarized clipping of the article stating the date ran in the newspaper, shall be sent to SCDHEC, 2600 Bull St., Columbia, SC 29201, Groundwater Management Section.

Step 5. Once the thirty-day comment period of the public notice is complete, and the notarized article is received, a construction permit shall be issued.

Step 7. Before the construction of the well is started the Department must be notified in order to make plans for well logging, and/or aquifer test data. Please notify the Department as soon as a specific construction date is known. You may call (803) 898-3559, or (803) 898-3531.

Step 8. The Applicant must complete the construction of the well before the permit expires, or apply for an extension by contacting the Department at least 30 days before the permit expires.

Step 9. Once construction is complete, all data requested by the Department in the Construction Permit's special conditions must be sent to the Department at the following address, SCDHEC, 2600 Bull St., Columbia, SC 29201, Groundwater Management Section.

Step 10. Once well information is received, and required tests completed, the Department will conduct a final evaluation to determine adverse effects, if any. If it is found that the proposed conditions have a potential to create severe adverse effects on the surrounding aquifer the applicant will be notified and an alternate course of action will be taken. Once the Department and applicant are satisfied with the current permit, a final copy will be sent to the applicant.

3. Guideline to correctly complete the Groundwater Withdrawal Application:

Part A. General Information. (Must be completed by all applicants).

1. Name of facility.
- 2-6. Complete all cells that apply to the owner of the facility.
- 7-11. Complete all cells that apply to the person whom will handle correspondence with DHEC.
12. Place a checkmark next to new if the application is being completed for a brand new permit. Place a checkmark next to modification if the applicant is changing a current Groundwater Withdrawal Permit.
13. Enter the total requested withdrawal rates for the applicant's entire system.
14. Place a checkmark next to which type of groundwater withdrawal best applies. Enter the total number of wells next to the withdrawal type that will mainly be used for that purpose. The total number of wells entered should total number of wells owned.
15. Include a map that is capable of directing a person unfamiliar with the area to your facility.
16. A site map with a proper scale and legend should be supplied identifying each well by an owner's identification and/or a GPS reading. If the facility is withdrawing groundwater for the main purpose of irrigation the site must include the irrigated acres. If the facility has multiple wells and multiple fields, they should clearly show the wells that will mainly be supplying which fields, the vegetation of those fields, and the total acres irrigated in those fields.
17. Send the completed version of the application to SCDHEC, 2600 Bull St., Columbia, SC 29201, Groundwater Management Section.
18. Complete the following table for each proposed well, if more room is needed use back or extra sheet.
19. Complete the following table for all wells, if more room is needed use back or extra sheet.
20. List other sources of water. State the facility or body of water where water is obtained. Ponds located entirely on owner's property and supplied only by a well, water table, or storm runoff do not need to be mentioned.
21. Describe conservation methods.

Part B to be completed for irrigation wells.

1. Complete the following table, if more space is needed you may continue on back or submit an extra table.

Part C to be completed for industrial wells.

1. Describe operation, be specific about the role groundwater plays in the industrial process and problems with alternative sources of water.
2. Complete the table, if more room is necessary continue on back or submit a separate table.

Part D.

1. The person signing the application will be ultimately responsible for all information contained within the application.

4. A brief summary of the Groundwater Use and Reporting Act.

Section 49-5-10. This chapter may be cited as the Groundwater Use and Reporting Act.

Section 49-5-20. The General Assembly declares that the general welfare and public interest require that the groundwater resources of the State be put to beneficial use to the fullest extent to which they are capable, subject to reasonable regulation, in order to conserve and protect these resources, prevent waste, and to provide and maintain conditions which are conducive to the development and use of water resources.

Section 49-5-40. In order to carry out the policy as stated in Section 49-5-20, the General Assembly finds that the department must establish and implement an effective statewide groundwater management program. To implement this program all groundwater withdrawers, (persons withdrawing more than 3 million gallons per month), shall register their groundwater sources and report their groundwater use to the department.

Section 49-5-110. The department may:

- (1) adopt and modify regulations to implement the provisions of this chapter;
- (2) issue, modify, revoke, or deny construction and groundwater withdrawal permits;
- (3) perform acts and issue orders as necessary to carry out the purposes and requirements of this chapter;
- (4) administer and enforce this chapter and regulations promulgated and orders issued or effective under this chapter;
- (5) present proper identification and then enter upon any land or water for the purpose of conducting an investigation, examination, or survey contemplated by this chapter;
- (6) subpoena and require the attendance of witnesses and the production of books and papers by witnesses pertinent to investigations and inquiries the department is authorized to conduct under this chapter, and examine witnesses and those public records as necessary;
- (7) evaluate and conduct, or have conducted, investigations regarding aquifer sampling, aquifer characteristics, hydrogeologic modeling, and other engineering, scientific, and economic analysis, including the establishment of minimum aquifer levels to carry out the provisions of this chapter. In conducting such investigations, the department will consider and utilize, as appropriate, reports, research, and studies of federal, state, or local agencies and departments of government. The results of these investigations shall serve as the basis for the evaluation of applications and the determination of applicable permit conditions.

Section 49-5-120. (A) A person willfully violating a provision of this chapter is guilty of a misdemeanor and, upon conviction, must be fined not more than one thousand dollars a day for each violation.

(B) A violation of a provision of this chapter or a regulation promulgated under the authority of this chapter renders the violator liable to the State for a civil penalty of not more than one thousand dollars a day for each violation.

(C) The department may administer penalties as otherwise provided herein for a violation of this chapter, an order, regulation, standard, permit, or permit condition or may request the Attorney General to commence an action under this subsection in an appropriate court of the State to secure a penalty.

(D) The department may cause to be instituted a civil action in a court of applicable jurisdiction for injunctive relief to prevent violation of this chapter or an order issued pursuant to this chapter.

(E) Civil penalties collected pursuant to this section must be deposited in the general fund of the State.