



SC DEPARTMENT of  
**ENVIRONMENTAL  
SERVICES**

## Groundwater Withdrawal Permit Application Bureau of Water

### A. General Information.

1. Facility Name:

2. Facility Owner:

7. Contact:

3. Facility Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

8. Contact Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

4. Facility Telephone Number:

9. Contact Telephone Number:

5. Facility Fax Number:

10. Contact Fax Number:

6. Owner E-mail Address:

11. Contact E-mail Address:

12. Type of Application:       New       Modification       Renewal

13. Total Requested Withdrawal Rates.

A. Million Gallons per Month:

B. Million Gallons per Year:

14. Purpose of Groundwater Withdrawal: (please indicate number of wells beside description which best applies, total below should equal total number of wells owned).

Aquaculture (AQ)	Number:	Agricultural Irrigation (IR)	Number:
Golf Course Irrigation (GC)	Number:	Other (OT)	Number:
Industrial (IN)	Number:	Water Supply (WS)	Number:

15. **Road map of Facility must be included for application review** (please make sure all roads leading to the site entrance are labeled).

16. **Site map of all wells labeled for the facility must be included for application review** (wells for agricultural irrigation must indicate fields to be irrigated as well as the size of each field, and crop to be grown).

17. **Describe all groundwater conservation practices in use, or to be in use, including Best Management Practices.** (These include, but are not limited to, highly efficient equipment, wetting agents, other water sources, groundwater recycling, withdrawing from alternate aquifer, equipment maintenance.)

18. Complete the following table for proposed wells.

Well 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.

Well 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

**B. Agricultural Irrigation.**

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

2. Groundwater Requirements.

Crop	Length of Growing Season (wks)	Water Requirement (in)
1)		
2)		
3)		
4)		
5)		
6)		
7)		

**C. Industry.**

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.

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.

<b>Process ID</b>	<b>Million Gallons per Month</b>	<b>Million Gallons per Year</b>
Processing:		
Cleaning:		
Cooling:		

**D. Golf Course.**

1. Number of acres irrigated:

2. Type of grass on course:

3. Are there any groundwater alternatives available?

**E. Public Water Supply.**

1. Current number of customers served:

2. Current number of taps:

3. Amount of water sold to other entities (i.e. public water supply, industry, etc.):

<b>Entity</b>	<b>Amount of Water Sold (million gallons)</b>
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	

**F. Signature.**

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

Printed/Typed Name

Title

Personal information provided on this document is subject to public scrutiny or release.

Signature

Date (MM/DD/YYYY)

An application guideline, permitting process outline, and a brief summary of the Groundwater Use and Reporting Act is included with this application. The Groundwater Use and Reporting Act summary provides the owner with a brief description of the laws that govern this application. The guideline is provided to help the applicant correctly complete the application. The outline provides a list of steps to be completed by the applicant and the Department. It is important that these steps be followed closely, because no action will be taken by the Department until each step in the outline is completed and correct. If any information received is not correct then the party in charge of the permitting will be informed. If the required information is not received, or is late, and the Department is not notified at least 15 days prior, the permit may be delayed, denied, or revoked.

## **Groundwater Withdrawal Permit Application Directions for Doc. 2504**

**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 system.

### **2. Outline of the application process:**

1. The Groundwater Withdrawal Permit 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 *SCDES, 2600 Bull St., Columbia, SC 29201, Water Quantity Permitting Section*. The original application will be kept on file in Columbia, SC.
2. A preliminary review of the application will assess whether proposed withdrawal limits comply with current SCDES 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.
3. A public notice will be drafted and sent to the applicant for all new permit applications, and modifications to existing permits, 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.
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 *SCDES, 2600 Bull St., Columbia, SC 29201, Water Quantity Permitting Section*.
5. 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 your area's Capacity Use Area Coordinator as soon as a specific construction date is known.
6. 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.
7. 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, *SCDES, 2600 Bull St., Columbia, SC 29201, Water Quantity Permitting Section*.
8. 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 facility and facility owner.
- 7-11. Complete all cells that apply to the person whom will handle correspondence with SCDES.
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. Place a checkmark next to renewal if the applicant is renewing the application with no modifications.
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. Describe all groundwater conservation practices for your facility, including Best Management Practices and highly efficient equipment, wetting agents, other water sources, groundwater recycling, withdrawing from alternate aquifer, and equipment maintenance.
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.

#### **Part B to be completed for Agricultural Irrigation.**

1. Complete the following table, if more space is needed you may continue on back or submit an extra table.
2. List the crops farmed, the length of the growing season in weeks, and the water requirements in inches.

#### **Part C to be completed for Industry.**

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 to be completed for Golf Courses.**

1. Indicate the number of acres irrigated on the golf course.
2. Indicate the type of grass used on the course.
3. Are there any groundwater alternatives available?

#### **Part E to be completed for Public Water Supply.**

1. Indicate the number of customers served.
2. Indicate the number taps for your system.
3. Complete table for the entities your facility sells water to, and the amount.

#### **Part F to be completed and Signed.**

#### **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.