



Existing User

Surface Water Withdrawal Permit Application

A. General Information

1. Facility Name:	
2. Facility Address:	City: State: Zip:
3. Owner Name:	8. Contact Name:
4. Owner Address:	9. Contact Address:
City: State: Zip	City: State: Zip:
5. Owner Telephone Number:	10. Contact Telephone Number:
6. Owner Fax Number:	11. Contact Fax Number:
7. Owner E-Mail Address:	12. Contact E-Mail Address:
13. Name and phone number of Agent completing application:	

B. System Withdrawal Information

14. Total amount of water, in millions of gallons per month (MGM), from all intakes being requested in this permit:

15. General discussion regarding the place and nature of the use for the surface water withdrawn (see instructions):

Check here to indicate documentation supporting the above discussion has been attached (see instructions).

16. Is any portion of the existing withdrawal currently permitted under an Interbasin Transfer Permit or Registration? YES NO

17. If the answer to 16 above was “yes”, please provide the following information:

Current Permit or Registration number:

Expiration date of existing Permit or Registration:

Transfer volume included in Permit or Registration:

Withdrawal volume if included in Permit or Registration:

18. Total number of withdrawal points addressed in this application:

19. Length of time for which permit is being requested: 30 Years Greater than 30 years – Total number of years:

*Note that for a permit period greater than 30 years supporting documentation must be attached – see instructions.

C. Intake Specific Withdrawal Information

20. Intake Number One:

Facility designated name for intake:

Name of source waterbody:

Type of source waterbody:

County in which intake is located:

Latitude and Longitude of intake in decimal format:

Check here to indicate location map has been included with application (see instructions):

Quantity of water requested for this intake in millions of gallon per month:

Provide supporting documentation that justifies the requested withdrawal amount for this intake (see instructions).

Method that will be used to measure volume of water withdrawn:

21. Intake Number Two

Facility designated name for intake:

Name of source waterbody:

Type of source waterbody:

County in which intake is located:

Latitude and Longitude of intake in decimal format:

Check here to indicate location map has been included with application (see instructions):

Quantity of water requested for this intake in millions of gallon per month:

Provide supporting documentation that justifies the requested withdrawal amount for this intake (see instructions).

Method that will be used to measure volume of water withdrawn:

22. Intake Number Three

Facility designated name for intake:

Name of source waterbody:

Type of source waterbody:

County in which intake is located:

Latitude and Longitude of intake in decimal format:

Check here to indicate location map has been included with application (see instructions):

Quantity of water requested for this intake in millions of gallon per month:

Provide supporting documentation that justifies the requested withdrawal amount for this intake (see instructions).

Method that will be used to measure volume of water withdrawn:

23. If you have more than 3 intake points to include in this application, please provide the information requested above for each additional intake on a separate sheet attached to this application.

Please check here if you have more that 3 intakes included with this application.

D. System Water Return Information

24. Location(s) of water returns and anticipated percent of withdrawn water returned at each location:

Return #1 - Name:	Lat/Long:	% Water Returned:	NPDES#
Return #2 - Name:	Lat/Long:	% Water Returned:	NPDES#
Return #3 - Name:	Lat/Long:	% Water Returned:	NPDES#

Check here to indicate that location maps have been included with this application for each return (see instructions).

If you have more than 3 return points to include in this application, please provide the information requested above for each additional return on a separate sheet attached to this application.

Please check here if you have more that 3 returns included with this application:

25. Estimated ratio between water withdrawn and consumptive use of water withdrawn:

E. Additional Flow

26. Are you requesting additional flow over the amount allowed by 49-4-70(B)(1)? YES NO

If "yes", total amount of additional flow (in MGM) being requested:

Check here to indicate that DHEC Form # 2755 has been completed and attached to this application to justify the additional flow amount.

F. Non-Consumptive Use Permits

27. Are you requesting a "non-consumptive" use permit? YES NO

If the answer to 27 above was "yes", please provide the information requested in this section.

- A. Attach tax map indicating property boundaries with intake and discharge points located. Note that if this map is provided the maps requested in B above are not required.
- B. Attach a discussion of the timing of the withdrawal and discharge to establish that the amount not returned to the stream does not exceed 3 million gallons in any one month.
- C. Attach data regarding the previous 24 months of withdrawal demonstrating that 90% of the water withdrawn is returned and that the 10% not returned will not exceed 3 million gallons in any one month must be submitted.

G. Fees

28. A check payable to SCDHEC in the amount of \$1,000 has been attached to this application: YES NO

H. Signature of Responsible Party

29. I hereby certify the information contained in this application is true, complete and fully represents the planned withdrawal of surface water for the use(s) detailed in this application.

Printed / Typed Name

Title / Company

Signature

Date

I. Submittal of Application

30. This application and all supporting documentation should be submitted to: SCDHEC – Bureau of Water
Water Monitoring, Assessment and Protection Division
Attn: Rob Devlin
2600 Bull Street
Columbia, SC 29201

Existing Surface Water Withdrawal Permit Application

Purpose - This application form and guide are for an initial permit for an existing surface water withdrawer as defined by the S.C. Surface Water withdrawal, Permitting, Use, and Reporting Act.

General Instructions/Information

For additional information see copies of the surface water withdrawal act (49-4-10 et seq) and supporting regulation (R.61-119) available on DHEC's web site at <http://www.scdhec.gov/environment/water/sfw.htm>.

This surface water withdrawal permit application is applicable to existing surface water withdrawers who are requesting an initial permit under the Act. A surface water withdrawer is defined as a person withdrawing surface water in excess of three million gallons during any one month from a single intake or from multiple intakes under common ownership within a one-mile radius from any one existing or proposed intake. An existing surface water withdrawer is defined as a surface water withdrawer, including those holding an Interbasin Transfer (IBT) Permit or Registration, withdrawing surface water as January 1, 2011, or a proposed surface water withdrawer with its intakes under construction before the effective date of this chapter or with all necessary applications for its intake permits deemed administratively complete before January 1, 2011. To retain his existing surface water withdrawer status, an existing surface water withdrawer that is not the holder of an Interbasin Transfer Permit or Registration must apply for a permit pursuant to the Act by 5:00 PM, Wednesday December 19, 2012 unless:

1. The existing withdrawal is for agricultural uses in which case a registration will be issued; or
2. The existing withdrawer does not anticipate future use exceeding the 3 million gallon per month threshold and does not wish to request a permit for his withdrawal. (Note: While multiple intakes within a mile radius are considered jointly when considering whether or not a withdrawer meets the permitting threshold, water use will be reported separately by intake and appropriate operations fees assessed for each individual intake); or
3. The withdrawal is exempt from permitting as provided in Section 49-4-30 of the Act as described below:
 - A. Withdrawals associated with active instream dredging or sand mining operation or other nonconsumptive instream mining operations;
 - B. Agricultural uses from farm ponds;
 - C. Persons withdrawing surface water from any pond completely situated on private property and which is supplied only by diffuse surface water or springs completely situated on the private property or groundwater withdrawals;
 - D. Withdrawals for the purpose of wildlife habitat management; or
 - E. A special purpose district withdrawing surface water from any pond completely situated on property owned by a special purpose district and which is supplied only by diffuse surface water or springs completely situated on the special purposed district's property.
 - F. If a withdrawal is exempt, a permit is not required; however, nothing in the Act prevents an exempt withdrawer from applying for and receiving a permit to withdraw surface water.

A holder of an IBT Permit or Registration may apply for an initial permit within the 180-day period, if they desire to do so. If application is made within the 180-day period they will be issued a permit based on either the IBT permitted or register amount or the criteria of 49-4-70(B)(1), whichever is greater. If an IBT permit or registration holder does not apply for a Surface Water Withdrawal Permit by December 19, 2012, they may apply for a permit no sooner than 6 months before expiration of their IBT Permit or Registration. If the expiration date is prior to January 1, 2014, they will be issued a permit based on either the IBT permitted or registered amount or the criteria of 49-4-70(B)(1), whichever is greater. If the expiration date is after January 1, 2014, they will be issued a permit based on either the IBT permitted or registered amount or the criteria of 49-4-70(B)(1), whichever is greater, unless the Department demonstrates by a preponderance of the evidence that the quantity above maximum withdrawals during the permit term are not necessary to meet the permittee's future need.

There are some withdrawals currently permitted as Interbasin Transfers that will not be considered IBTs under the 8 IBT basins as defined in F.2.d of the regulation. Maps showing the new IBT basins are available on the Department

web site at <http://www.scdhec.gov/environment/water/sfw.htm>. It is anticipated that withdrawers who will no longer be considered Interbasin Transfers will desire to transition into a surface water permit within the initial 180-day application period.

Withdrawal permits are to be issued for individual facilities, such as an industry or water treatment plant, with withdrawal limits placed on each individual intake. Entities that have multiple treatment facilities, such as municipalities with multiple water treatment plants or industries with multiple plants around the state, must submit separate applications for each facility or plant along with separate application fees. Individual facilities that have multiple intakes can apply for a single permit that covers the multiple intakes on a single application form and pay a single application fee. Annual operating fees will be assessed yearly for each individual intake. This includes backup or emergency intakes that may be rarely used.

Instructions for completion of an application for a Surface Water Withdrawal Permit for an existing user

A. General Information

- (1-2) Facility information: Complete all cells that apply to the facility for which a permit is being requested. For example, if a municipality has multiple treatment plants, an application would be submitted for each plant and information specific to each facility would be provided on separate applications.
- (3-7) Owner information: Complete all cells that apply to the individual, business or entity applying for the permit.
- (8-12) Contact information: Complete all cells that apply to the person who will be handling correspondence with DHEC, if different from the owner.
- (13) Name and phone number of Agent completing application: Provide the name and phone number (and email if applicable) for any Agent preparing the application for a permittee.

B. System Withdrawal Information

- (14) Total amount of water, in millions of gallons per month (MGM), from all intakes being requested in this permit: Specify the total volume of water, in millions of gallons per month, for which a permit is being requested for this facility. If a single intake is being requested in Section C below, provide that value. If multiple intakes are being requested, provide the total of all intakes. If additional flow is being requested via a separate application (see Section D below) include the additional amount here as well. The permitted withdrawal volume will be intake specific; consequently, any increase to the permitted withdrawal volume for an intake will require a permit modification.
- (15) General discussion regarding the place and nature of the use of the surface water withdrawn: Specify where the water will be used. For example, for an industry specify the location of the plant or facility. For a municipal water system state that the water will be used in the systems designated service area and provide the county in which that service area lies. Specify how the water withdrawn will be used.
- (16-17) Is any portion of the existing withdrawal currently permitted under an Interbasin Transfer Permit or Registration? Yes No: If yes, please provide the permit or registration number; the expiration date; the transfer volume included in the permit; and, the withdrawal volume included in the permit, if applicable. Existing interbasin transfer permit and registration holders can be permitted based on the volume(s) included in their current permit/registration or upon the 6 criteria listed in "C" below, whichever is greatest. Note that some IBT permits and registrations included only an amount that could be transferred while others included both a withdrawal amount and a lesser transfer amount. While an amount greater than the withdrawal amount will be included in a permit if allowed by the criteria of "C" below, the transfer amount included in the Surface Water Withdrawal Permit will be consistent with the transfer amount in the existing permit or registration.

- (18) Total number of withdrawal points addressed in this application: Indicate the total number of existing surface water withdrawal points that supply water to the facility.

- (19) The length of time for which permit is being requested: Please indicate if a permit is being requested for 30 years (the minimum permit length for an initial permit to be issued to an existing user) or if a longer period is being requested, and specify the longer period. Permits issued by the department pursuant to this chapter shall be valid for a period to represent the economic life of any capital investments made by the permittee necessary to carry out the permittee's use of the withdrawn water. Initial permits issued to existing surface water withdrawers must be issued for 30 years or a greater period the department considers reasonable based upon its review of all the facts and circumstances relevant to a proposed withdrawal not to exceed an additional 10 years. If the applicant desires a permit period exceeding more than 30 years, it is incumbent upon him to document why a longer period is justified. Permits may be issued to a municipality or other governmental body for up to 50 years if necessary to retire a bond issued to finance the construction of waterworks. If a permit exceeding 30 years in length is being requested based on issuance of a bond, documentation of the bond, including the date of the end of the bond term, must be provided.

C. Intake Specific Withdrawal Information. (Must be completed for each existing intake.)

- (20) Intake Number 1:

- Facility designated name for intake: Provide the name that you use to refer to the intake, such as Saluda Intake or City #1 Intake. This information is requested to ensure good communication with systems that may have multiple intakes.

- Name of source waterbody: Provide the name of the source waterbody, if known. If the waterbody is not named, specify the first named stream to which it is tributary. Example: unnamed tributary to Broad River.

- Type of source waterbody: Indicate whether the source of the water to be withdrawn is a stream, lake, estuary, or other type waterbody. If "other" is specified, please specify what type waterbody is the source.

- County in which the intake is located: Specify the county in which the intake is located.

- The latitude and longitude of the intake in decimal format: Provide the latitude and longitude of the intake location in decimal format. Lat/Long can be determined on most Internet mapping sites.

- Location Map: Along with the application, include a map showing the precise withdrawal point(s) on a U.S. Geological Survey 1:24,000 scale quadrangle or equivalent. Submittal of an original quad sheet is not required. A copy of the appropriate portion of the quad sheet or a downloaded portion of a quad sheet or equivalent map is sufficient provided the map is legible and contains sufficient information to allow confirmation of the intake's location.

- Quantity of water requested for this intake in millions of gallons per month: Provide the maximum volume of water for which a permit is being requested for this individual intake.

- Provide supporting documentation that justifies the requested withdrawal amount for this intake. The initial permitted value is the maximum volume of water allowed under 49-4-70(B)(1) of the Act, or, for an IBT permit or registration holder, the IBT permitted amount, whichever is greatest. The six alternate ways of determining the initial permit volume for non-IBT permitted withdrawers, or for an IBT holder who would receive a greater amount under the 70(B)(1) criteria, are as follows:

A. An amount equal to its documented historical water use;

B. Current permitted treatment capacity;

C. Design capacity of the intake structure as of January 1, 2011;

D. Design capacity of a pending intake structure permit application as of January 1, 2011;

E. An amount necessary to recover indebtedness from an outstanding bond or revenue certificate issued through the sale of surface water, prior to January 1, 2011; or

F. For a publicly owned water utility, the safe yield of the utility's existing or permitted water supply only reservoir, whichever is greatest.

Indicate which of the above criteria (or for IBT permit or registration holders the transfer or withdrawal amount) you are basing your initial permitted volume on and provide documentation supporting the requested initial permit volume. If unsure as to how to satisfy the requirements of this section, contact DHEC's Bureau of Water as instructed below for additional assistance.

Method that will be used to measure the quantity of water withdrawn. Specify which of the 5 methods provided for in the Act, provided below, will be used to measure the quantity of water withdrawn:

- A. Flow meters accurate to within ten percent of calibration;
- B. The rated capacity of the pump in conjunction with the use of an hour meter, electric meter, or log;
- C. The rated capacity of the cooling systems;
- D. Any standard or method employed by the United States Geological Survey in determining these quantities;
- E. Any other method found to provide reliable water withdrawal data approved by the department.

Should an applicant wish to use a method other than those listed here, supporting documentation must be submitted with the application regarding measurement methods and accuracy. Methods other than those listed here shall be approved at the discretion of the Department.

- (23) If you have more than 3 intake points to include in this application, please provide the information requested above for each additional intake on a separate sheet attached to this application. Indicate in the box provided if requests for additional intakes are attached.

D. System Water Return Information

- (24) Location(s) of water returns and anticipated percent of withdrawn water returned at each location: Provide the name of the facility or facilities by which the water is returned to surface waters; the latitude and longitude of the return (in decimal format); estimate of the percent of the current total water withdrawn that is returned at each location; and the NPDES permit number for the facility or discharge point, if the return has a NPDES permit. Provide information and percentages for water returned at facilities or discharge points not directly owned or operated by the withdrawer. Note that the department only needs information on significant returns that represent more than 5 percent of the current total water withdrawn. Also note that the return percentages probably will not add up to 100% due to consumptive losses in the system. In some cases, such as irrigation of golf courses, returns may be zero. To document the location of the return flows, provide the latitude and longitude of each return (discharge) location and include a map showing the precise discharge point(s) on a U.S. Geological Survey 1:24,000 scale quadrangle or equivalent. Submittal of an original quad sheet is not required. A copy of the appropriate portion of the quad sheet or a downloaded portion of a quad sheet or equivalent map is sufficient provided the map is legible and contains sufficient information to allow confirmation of the discharge location.

Rationale: The permit is required to include information about surface water discharge amounts and locations as per 49-4-100. Furthermore, the department is required to develop stream water balances based on the total permitted volume of existing withdrawals when evaluating proposed new withdrawals or expansions to determine if the proposed withdrawal amount is within the safe yield of the stream. Return flows from existing users must be considered in these calculations. Current return percentages will be used to estimate return percentages for the total permitted withdrawal amount when appropriate. If you have information about known future changes in return locations or percentages, please provide that information on the application form or on a separate sheet of paper. For example, a new wastewater treatment system will be built in the near future that will return significant amounts of the water being withdrawn.

- (25) The estimated ratio between water withdrawn and consumptive use of water withdrawn: Specify the ratio of the amount of water withdrawn to the amount of water that is lost to surface water through any form of

consumptive use, such as discharged to septic tanks, loss from swimming pools or car washing or via evaporative loss. This ratio can be calculated by comparing withdrawal data to return data, such as NPDES discharge records, or estimated using accepted industry standards for water use.

For example, if a facility withdraws 3.0 million gallons of water per month but only 2.4 million gallons are returned to surface waters through some type discharge, the ratio would be 3.0 to 2.4. The Department needs to know how much of the total water withdrawn for this facility is returned to surface waters and how much is lost.

E. Additional Flow

- (26) Are you requesting additional flow over the amount allowed by 49-4-70(B)(1)? Please indicate Yes or No. If Yes, indicate the total amount of additional flow in millions of gallons per month being requested.

Rationale: Section 49-4-70(B)(3) allows an existing surface water withdrawer to request that its initial permit include a reasonable amount in excess of that allowed by 70-(B)(1). This amount must be reviewed using the criteria established to evaluate a new withdrawal to determine if the requested withdrawal is "reasonable" under the Act. Therefore, any additional withdrawal volume must be requested using Form XXXX for new or expanding withdrawals. This application, along with an application guide, is available on the Department's web site. If additional flow is being requested, answer yes and provide the additional flow being requested in the space provided. Complete Form XXXX, attach it to this application and submit them together as a single package.

F. Non-consumptive Use Permits

- (27) Are you requesting a non-consumptive use permit? If you are requesting a non-consumptive use permit indicate Yes and provide the information requested in A, B, and C. This information is required to determine if the proposed withdrawal meets the requirements of the Act.

Rationale: Section 49-4-40 of the Act (section G of the regulation) allows for issuance of permits for non-consumptive uses. A non-consumptive use permit is subject only to the reporting requirements of Section 49-4-50 of the Act. The Act defines non-consumptive use as a use of surface water withdrawn in such a manner that it is returned to its waters of origin within the boundaries of contiguous property owned by the surface water withdrawer with no or minimal change in water quantity. Minimal change in water quantity means that greater than 90% of the water withdrawn by a surface water withdrawer is returned to the waters of origin; provided, that the amount of water not returned to the water source does not exceed 3 million gallons in any one month or significantly reduce the safe yield at the withdrawal point. If an existing user would prefer to be permitted as a non-consumptive user, the following information must be provided, in addition to the information required in Section B.

A. A tax map showing the property boundaries with the intake and discharge points is required to demonstrate that the water is being returned within the boundaries of the contiguous property owned by the applicant. Note that this map will suffice for a location map and the maps required in B above are not required for a non-consumptive use permit application.

B. For an exiting withdrawer who requests a non-consumptive use permit, the previous 24 months of withdrawal and discharge data must be submitted to demonstrate that 90% of the water withdrawn has been returned to the source waterbody and that the 10% not returned does not exceed 3 million gallons per month. The department will determine if the withdrawal significantly reduces the safe yield at the withdrawal point based on a stream flow analysis and the quantity of water to be withdrawn.

C. A discussion of the timing of the withdrawal and discharge is required to demonstrate that the requirement that less than 3 million gallons is held in any one month.

G. Fees

- (28) A check for \$1,000, payable to SC DHEC, has been attached to this application: Yes No:

The Act requires that an existing surface water withdrawer submit an application-processing fee of \$1,000. Note that this fee is not per intake but for the initial permit to be issued to an existing facility that may include multiple

intakes. Subsequent annual operating fees of \$1,000 per year will be assessed on a per intake basis, including emergency intakes.

H. Signature of Responsible Party

- (29) I hereby certify the information contained in this application is true, complete and fully represents the planned withdrawal of surface water for the use(s) detailed in this application:

Please fill in the appropriate boxes. All permit applications shall be signed by:

- For a corporation: a responsible corporate officer or the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the facility for which the permit is being requested.
- For a partnership or sole proprietorship: a general partner or the proprietor, respectively.
- For a municipality, State, Federal or other public agency or public facility: either the principal executive officer, mayor or other duly authorized employee or ranking elected official.
- The application must be properly signed and dated for the application to be considered complete and accepted by the Department.

I. Submittal of Application

- (30) This application and all supporting documentation should be submitted to:

This application may be completed on-line, printed, signed and submitted to the Department along with supporting maps and documentation via normal mail. The blank form may also be printed out, completed and submitted to the Department via normal mail. At the present time, applications for surface water withdrawal permits cannot be submitted electronically. Completed applications and appropriate fees must be submitted at the following address.

**South Carolina Department of Health and Environmental Control
BOW, Water Monitoring, Assessment & Protection Division
Attention: Rob Devlin
2600 Bull Street
Columbia, SC 29201**

Contact Information:

Mr. Rob Devlin, Manager
Groundwater Management Section
S.C. Department of Health and Environmental Control
2600 Bull Street
Columbia SC, 29201
Phone: 803.898.3798 Email: devlinrj@dhec.sc.gov

Web-based resource addresses:

Bureau of Water website (general): <http://www.scdhec.gov/environment/water/>
SC Surface Water Withdrawal, Permitting, Use and Reporting Act, 49-4-10: <http://www.scstatehouse.gov/code/t49c004.php>
Regulation R.61-119, Surface Water Withdrawal, Permitting, Use and Reporting: <http://www.scdhec.gov/environment/water/reg>
Existing Surface Water Withdrawal Permit Application: <http://www.scdhec.gov/environment/water/sfw.htm>