



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Jeffrey W. Cown, Director

Watershed Protection Branch
2 Martin Luther King, Jr. Drive
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Notice of Draft Groundwater Withdrawal Permit – City of Savannah – Pilot Study – January 29, 2026

The Georgia Environmental Protection Division (EPD) announces its intent to issue a temporary Groundwater Withdrawal Permit No. 025-0069 for water withdrawal of 2.000 MGD/ 2.000 MGD (Monthly Average/Annual Average in million gallons per day) from forty-five wells in the Upper Floridan aquifer for the purpose of a central water supply. This is a temporary permit for implementation of a limited term groundwater repositioning pilot study to evaluate the effects of groundwater withdrawal redistribution to wells further from the Savannah cone of depression.

NEW GROUNDWATER WITHDRAWAL PERMIT

Permittee's Name: City of Savannah – Pilot Study

Permittee's Address: Savannah, GA 31407

River Basin / County: Savannah and Ogeechee / Chatham County

Comment Period Expires: March 1, 2026

Additional Information: All information used to develop the draft permit are available for review. The information includes the application and all relevant supporting materials available to the permitting authority used in the permit review process. Please contact gorarequest.water@dnr.ga.gov to request to view or schedule an appointment to review the documents, or bill.frechette@dnr.ga.gov for additional information.

Persons wishing to comment on the draft permit should submit their comments in writing to the address listed below, or alternatively to epd.comments@dnr.ga.gov. Please include “Groundwater Application for the City of Savannah – Pilot Study” in the subject line to help ensure that your comments will be forwarded to the correct staff. All comments received prior to or on the comment period expiration date above will be considered in the formulation of final determinations regarding the permit.

Bill Frechette, Unit Manager
Water Supply Program – **Groundwater Withdrawal Unit**
2 Martin Luther King, Jr. Drive
Suite 1470A, East Tower
Atlanta, Georgia 30334

A public meeting or hearing may be held if the Director of the EPD finds a significant degree of public interest in a draft permit.

PERMIT NO. 025-0069
ISSUANCE DATE:



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PERMIT TO USE GROUNDWATER

PERMIT HOLDER'S NAME: **City of Savannah – Pilot Study**
PERMIT HOLDER'S ADDRESS: 6183 State Highway 21, Savannah, GA 31407
COUNTY: **Chatham County**

In accordance with the Provisions of the Groundwater Use Act, (O.C.G.A § 12-5-90 et seq.) as amended, and the Rules and Regulations for Groundwater Use, Chapter 391-3-2, promulgated pursuant thereto, this Permit is issued to withdraw, obtain, or utilize a maximum system wide total of groundwater in the amount of:

2.000 million gallons per day monthly average and **2.000** million gallons per day annual average;

from **forty-five** well(s) located near/at **Savannah, Georgia – Chatham County** for the purpose of a consumptive use for **a central water supply**.

This Permit is conditioned upon the permit holder complying with all of the terms, conditions, and schedules of compliance specified on the attached pages, which are hereby made a part of this Permit.

In accordance with the application dated **September 30, 2025** and in conformity with the statements and supporting data entered therein or attached thereto, all of which are filed with the Environmental Protection Division (EPD) and are hereby made part of this Permit.

This permit is effective from the date first above written and is subject to revocation on evidence of noncompliance with any of the provisions of the Groundwater Use Act, as amended, or any of the Rules and Regulations promulgated pursuant thereto; or with any representation made in the above mentioned application or the statements and supporting data entered therein or attached thereto; or with any condition of this permit.

Absent prior revocation in accordance with the above language, this Permit will expire on the **31st day of December 2027**.



Jeffrey W. Cown, Director
Environmental Protection Division

This Permit is conditioned upon the permit holder complying with the provisions of the Groundwater Use Act, as amended, or any of the Rules and Regulations promulgated pursuant thereto;

1) GENERAL REQUIREMENTS

- a) This Permit is valid for ground water withdrawal from the **Upper Floridan** Aquifer(s). No other aquifer(s) can be used without the approval of the EPD.
- b) The withdrawal of groundwater is limited to the quantities and purpose of the water herein specified.
- c) Water associated with this Permit must not be withdrawn by, released for, or otherwise utilized by any other entity or for any other purpose, without first modifying this Permit.
- d) This Permit must not be transferred except with the approval of the EPD.
- e) The replacement of any permitted well must receive prior approval from the EPD.
- f) Inactive wells that will not be utilized in the future shall be sealed or properly plugged and abandoned by a Georgia licensed water well contractor in accordance with O.C.G.A. § 12-5-134. When a well has been plugged and abandoned by a Georgia licensed water well contractor, the permit holder shall send a well abandonment report to EPD, containing the date the well was abandoned, the name of the water well contractor that performed the work, and details of how the well was filled, sealed, and plugged.
- g) This permit supersedes any and all previous permits of the same permit number.

2) PERMIT RENEWAL

All permit holders desiring to renew a permit shall submit an application for renewal to the EPD Director within six (6) months of the permit's expiration.

3) PERMIT MODIFICATION

- a) The permit holder may seek modification of any of the terms of an unexpired permit upon written request to the EPD Director.
- b) The Georgia EPD has the authority to modify any groundwater withdrawal permit at any time.

4) MONITORING AND REPORTING

- a) If multiple aquifers are designated in Condition (1a) above, groundwater withdrawal from each aquifer must be reported separately, in addition to the total amount withdrawn from all wells. Each aquifer must be identified on the Groundwater Withdrawal Report, in addition to listing the well or wells that are producing from each aquifer. If a well is producing in more than one aquifer, it is to be noted.

4) MONITORING AND REPORTING (Continued)

- b) The Groundwater Withdrawal Report must be submitted MONTHLY in accordance with the following schedule:
 - Production between the first day of the month and the last day of the month will be submitted to EPD by the 10th day of the following month (ex. January 1st through January 31st groundwater withdrawal data will be reported to the EPD by February 10th).
- c) In accordance with the Groundwater Use Rules, 391-3-2-.08(1), a permit holder will measure and record the static and pumping levels of each aquifer utilized and the date the water levels were measured on a semi-annual basis, submitting the results to EPD. Semi-Annual Water Level measurements must be collected from the highest yielding wells, using the same wells for each reporting period and preferably taking the measurements during the same two months of the year (six months apart). One well should be measured for every five permitted wells (i.e., if you have between one and five permitted wells, conduct measurements for one well; if you have between six and ten permitted wells, conduct measurements from two of the permitted wells, etc.).
- d) In accordance with the Groundwater Use Rules, 391-3-2-.08(2), a permit holder will analyze a raw groundwater sample for specific conductance on an annual basis. Analysis for specific conductance must be conducted in accordance with 40 Code of Federal Regulations, Part 141.89. A raw groundwater sample must be collected for every five permitted wells (i.e., if you have between one and five permitted wells, collect one raw groundwater sample for analysis; if you have between six and ten permitted wells, collect a raw groundwater sample from two of the permitted wells, etc.). The groundwater samples will be collected from the highest yielding wells. The results must be submitted to EPD and include the date sampled, well number, temperature of water sample at time of testing, the specific conductance result, and the units of measurement.

5) WATER PLANNING REQUIREMENTS

- a) This groundwater withdrawal permit and any future modifications or re-issuances of such, is conditioned upon implementation of the permit holder's Water Conservation Plan developed in accordance with the Rules and Regulations for Groundwater Use, Chapter 391-3-2, and the Georgia Water Stewardship Act. It should be regularly updated to be consistent with current EPD guidelines.
- b) The permit holder must demonstrate an effort to increase water use efficiency.
- c) The permit holder must abide by all applicable drought response requirements, which include but are not limited to the Georgia Drought Management Rule (391-3-30), the Georgia Water Stewardship Act, and the permit holder's Drought Contingency Plan.
- d) The permit holder must maintain ongoing compliance with applicable Coastal Georgia Regional Water Plan requirements.

6) SPECIAL CONDITIONS

- a) The EPD has produced the **'Coastal Georgia Water & Wastewater Permitting Plan for Managing Salt Water Intrusion'** (the Plan). The Plan has identified an array of water conservation, efficiency, and reuse requirements for public and private water providers. The permit holder is required to fully implement and otherwise comply with ALL appropriate requirements identified in the Plan.
- b) This is a temporary permit for implementation of a limited term groundwater repositioning pilot study to evaluate the effects of groundwater withdrawal redistribution to wells further from the Savannah cone of depression.
 1. The temporary permit encompasses the same wells as permit No. 025-0018.
 2. The temporary permit's limitation is in addition to that of permit No. 025-0018.
 3. Monthly withdrawal reporting (monthly total in gallons) is done on aggregation of the two permits and reported under permit No. 025-0018.
 4. Compliance is assessed on the total withdrawal under the two permits against the aggregated limitation of the two permits (permit No.'s 025-0018 & 025-0069).
- c) Minimum Pilot Study Reporting Requirements:
 1. As the purpose of the pilot study is to compare the condition of the Floridan aquifer between two different withdrawal pumping configurations.
 - a. The first configuration is a baseline of Historical pumping (2024) data before pilot study begins. The City should provide total pumping data from each Floridan aquifer well within their system of the most current full year of reported data (2024). The well data should list the annual average value for each permitted well reported in million gallons per day (mgd). This establishes the historical pumping from all the permitted wells for the City of Savannah.
 - b. The second configuration is the pilot study period, where the City moves pumping away from the center of the cone of depression and redistributes that pumping to existing permitted wells further away from the center of the cone of depression. The City should provide details on how pumping would be changed to move pumping away from the center of the cone of depression. This will need to include the anticipated pumping from the well clusters as well as actual pumping as summarized below:
 - i. Daily production from each active City well. This data shall be reported as follows:
 1. Well identification and location (lat/long coordinates)
 2. Total water pumped during each 24-hour period
 3. Total hours of pump operation during each 24-hour period
 4. Average pumping rate during each 24-hour period
 5. A list of any wells that did not pump during each 24-hour period

6) SPECIAL CONDITIONS (Continued)

2. To form a continuous monitoring of data for comparative evaluation of the distributed pumping configurations, the City will compile data from both USGS monitoring wells as well as selected wells operated by the City. The permittee shall provide groundwater level measurements from both the USGS wells and the City wells listed below. This data shall be reported to the EPD on a monthly basis for the duration of the pilot study period (permit expiration date):
 - a. The City shall provide groundwater level measurements from the following five USGS monitoring wells that are all completed in the Floridan aquifer:
 - i. USGS 320357081162001 35Q070
 - ii. USGS 320433081042701 37Q016
 - iii. USGS 320530081085001 36Q008
 - iv. USGS 320021081124801 36Q020
 - v. USGS 320127080511301 39Q027
 - b. The City shall provide groundwater level measurements consistent with USGS groundwater monitoring protocols once every two weeks for the following City of Savannah wells:
 - i. Well 11 (Well 8 may be an alternate for Well 11 if needed)
 - ii. Well 1
 - iii. Well 13
 - iv. Well 30
 - v. Well 35
 - vi. Well 44
- d) The permit holder will cooperate with the Georgia EPD in the coordination of its water withdrawal requirements associated with this Groundwater Withdrawal Permit and the following additional Water Withdrawal Permit(s):
 - **025-0018**
 - **051-0115-01**