



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

PERMIT TO WITHDRAW, DIVERT OR IMPOUND SURFACE WATER

PERMIT HOLDER'S NAME **Fayette County Board of Commissioners**
PERMIT HOLDER'S ADDRESS **140 Stonewall Avenue, Fayetteville, GA 30215**
COUNTY: **Fayette**

In accordance with the provisions of the Georgia Water Quality Control Act, (O.C.G.A. § 12-5-20 et seq.) as amended, and the Rules and Regulations for Water Quality Control, Chapter 391-3-6, promulgated pursuant thereto, this permit is issued to withdraw surface water from Lake Kedron in the Flint River Basin for the purpose of filling Lake Peachtree and municipal water supply.

The Fayette County Board of Commissioners (Permittee) must comply with the following limitations:

- (1) Maximum 24 hour: Withdrawal 4.50 MGD; Impoundment ____ MGD; Diversion ____ MGD
- (2) Not to exceed a monthly average of 4.00 MGD

This Permit is conditioned upon the permit holder complying with the attached **Standard Conditions** (1 through 5) and the additional **Special Conditions** (13 through 20) which are hereby made a part of this Permit.

In accordance with the application dated 7/20/2020 and in conformity with the statements and supporting data entered therein or attached thereto, all of which are filed with the Environmental Protection Division of the Department of Natural Resources and are hereby made part of this Permit.

This Permit is effective from the date first above written and is subject to revocation pursuant to the Georgia Water Quality Control Act, as amended, O.C.G.A. § 12-5-31 (k).

Absent prior revocation in accordance with the above language, this Permit will expire **ten (10) years** from the issuance date on this permit.



Richard E. Dunn, Director
Environmental Protection Division

This permit is conditioned upon the permittee complying with the provisions of the Water Quality Control Act, as amended, or any of the Rules and Regulations promulgated thereto;

STANDARD CONDITIONS

1) GENERAL PERMIT CHARACTERISTICS

- a) The use of surface water is limited to the quantities and purposes as specified herein;
- b) Water associated with this Permit must not be withdrawn by, released for, or otherwise utilized by any other entity or for any other purpose without first modifying this Permit.
- c) This permit must not be transferred except with the approval of the Georgia Environmental Protection Division (EPD);
- d) This permit supersedes any and all previous permits of the same permit number.

2) PERMIT RENEWAL

All permittees desiring to renew a permit shall submit an application for renewal to the Director within six (6) months prior to its expiration.

3) PERMIT MODIFICATION

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

4) MONITORING AND REPORTING

- a) The permittee must submit annually to the EPD, within 30 days of completion of the calendar year, a report listing for each month of the previous year:
 - 1. The gallons per day withdrawn, based on an average of the daily withdrawals for the month;
 - 2. The maximum 24 hour withdrawal;
- b) In addition to Condition 4a, the permittee must submit to EPD within 10 days of completion of the calendar month, a monthly Surface Water Withdrawal Report for the previous month showing daily raw water withdrawals associated with this Permit.

5) WATER PLANNING REQUIREMENTS

- a) The permittee must abide by all applicable water conservation requirements, which may include but are not limited to submission of a Water Conservation Plan for EPD approval and submission of a five-year Water Conservation Progress Report in accordance with 391-3-6-.07. The Progress Report must include all actions and improvements made to conserve water and reduce water loss and shall be submitted for EPD review by 15th October 2025.
- b) The permittee must abide by all applicable drought response requirements, which include but are not limited to the Georgia Drought Management Rule (391-3-30) and the permittee's Drought Contingency Plan.
- c) The permittee must maintain ongoing compliance with applicable "Metropolitan North Georgia Water Planning District Water Supply and Water Conservation Management Plan" requirements.

SYSTEM INFORMATION

- 6) The Fayette County Board of Commissioners has four permitted reservoir sources for municipal water supply: Lake Kedron (this permit), Lake Peachtree (Permit No. 056-1102-03), Lake McIntosh (Permit No. 056-1102-09), and Lake Horton (Permit No. 056-1102-12). The combined storage capacity of these reservoirs is 7.6 billion gallons. The permittee also withdraws water from the Flint River under Permit No. 056-1102-13 for municipal water supply. Attachment - 1 gives an overview of Fayette County's water supply sources and their interactions.
- 7) Lake Peachtree is owned by the City of Peachtree City. Fayette County is contracted to operate the reservoir as part of its larger water system.
- 8) Water withdrawn under the County's five surface water permits supplies water to its two water treatment plants, the Crosstown Water Treatment Plant (13.5 MGD production capacity) and the South Fayette Water Treatment Plant (9.3 MGD production capacity). Both plants are covered under Drinking Water Permit No. GA1130001.
- 9) The County has a wholesale interconnection agreement with the City of Atlanta to purchase up to 4 MGD of treated water in an emergency. Fayette County also holds wholesale interconnection agreements to provide treated water to the City of Fayetteville (no less 1000 gallons per day) and both buy water from and sell water to Clayton County on an as needed basis.
- 10) The County optimizes the reliability of its system through the operation of its reservoirs. The County releases water from the Lake Kedron, located upstream of Lake Peachtree, to maintain the Lake Peachtree Reservoir level and supply water for the intake pumps covered under this permit. The storage capacity of Lake Kedron is depleted before withdrawing from Lake Peachtree in accordance with the agreement between the City of Peachtree City and Fayette County.
- 11) The Lake Kedron reservoir level is measured at USGS Gage 02344650. Water released from Lake Kedron is measured at USGS Gage 02344655, downstream of Lake Kedron on Flat Creek. The gage station is located on a multipurpose path approximately 800 feet downstream of the spillway and can be accessed on foot by walking downstream from the dam or multipurpose path off

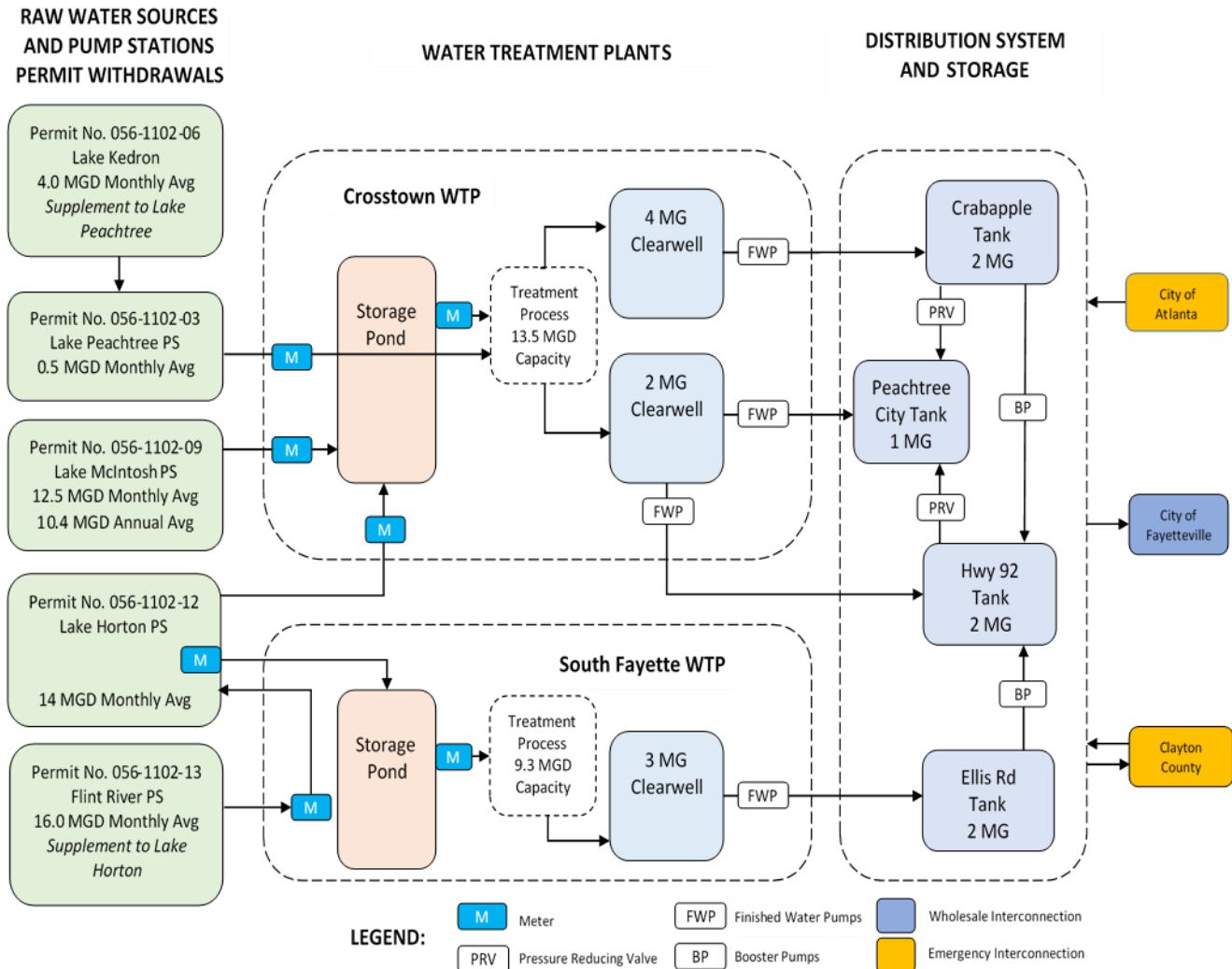
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- 12) The safe yield of the Lake Kedron was calculated to be 4.0 MGD as shown in the *Water Supply Analysis for Fayette County, Georgia* report, dated November 2001. This report used data between 1950 and 1959 as the drought of record for its calculations.

SPECIAL CONDITIONS

- 13) The permittee's Lake Kedron Reservoir is located upstream of the Highway 54 crossing of Flat Creek. The Lake Kedron intake location is accessed via the driveway located at 616 Wingspread, Peachtree City, GA. The limits on the first page of this permit refer to the amount of water able to be released from the Lake Kedron Reservoir, which travels downstream to maintain the water level in Lake Peachtree. All water released must be measured at USGS Gage 02344655 before entering the Lake Peachtree to determine compliance with the limits of this permit.
- 14) The permittee must continuously release below the Lake Kedron dam a low flow of 1.6 cubic feet per second (cfs) or natural streamflow, whichever is less, as measured at USGS Gage 02344655.
- 15) The total quantity of water supplied to the Crosstown Water Treatment Plant from Lake Kedron (this permit), Lake Peachtree (Permit No. 056-1102-03), Lake McIntosh (Permit No. 056-1102-09), and Lake Horton (Permit No. 056-1102-12) must not exceed 13.5 MGD.
- 16) The permittee must not transfer any water withdrawn via this permit to any entity operating outside the Flint River basin without EPD approval of such a transfer.
- 17) The permittee must submit an updated safe yield analysis and accompanying report to EPD within 9 months of the issuance date of this permit. The analysis must incorporate the most recent period of applicable data available, incorporating both 2007-2008 and the 2011-2012 droughts.
- 18) The permittee must operate in accordance with all criteria for Water Supply Watersheds as outlined in 391-3-16-.01, including the applicable Water Supply Watershed Protection Plan.
- 19) In accordance with 391-3-33-.05, any future renewal or modification is conditioned upon the demonstration of progress towards increased water efficiency. The permittee must submit an annual Water Audit by March 1 of each year and maintain ongoing compliance with the following:
- a) Establishment of a Water Loss Control Program and associated goals to set measures of water supply efficiency.
 - b) Demonstration of progress toward increased water efficiency using the measures established.
- 20) To ensure progress toward increasing water supply efficiency, the permittee must provide a progress report every year starting one (1) year from the permit issuance date, based on the permittee's Water Loss Control Plan, on efforts made to reduce Water Loss within the permittee system. The progress reports must provide a description of implemented measures and how the implemented measures have reduced the system's Non-Revenue Water. This annual report must continue to be submitted every year to ensure continued progress.

Attachment - 1



Fayette County Board of Commissioners Permits Summary:

Permit No. 056-1102-03 Lake Peachtree (Maximum 24-hour withdrawal 0.55 mgd; Monthly Average 0.5 mgd)

Permit No. 056-1102-06 Lake Kedron (Max. 24-hr withdrawal 4.5 mgd; Monthly Average 4.0 mgd)

Permit No. 056-1102-09 Lake McIntosh (Max. 24-hour 17.0 mgd; Mo. Avg. 12.5 mgd; Ann. Avg. 10.4 mgd)

Permit No. 056-1102-12 Lake Horton (Max. 24-hr withdrawal 14.0 mgd; Monthly Average 14.0 mgd)

Permit No. 056-1102-13 Flint River (Maximum 24-hr withdrawal 16.0 mgd; Monthly Average 16.0 mgd)



Richard E. Dunn, Director

Watershed Protection Branch

2 Martin Luther King, Jr. Drive
Suite 1152, East Tower
Atlanta, Georgia 30334
404-463-1511

Oct 26, 2020

Ms. Vanessa Tigert, P.G., Director
Fayette County Water System
P. O. Box 190
245 McDonough Road
Fayetteville, GA 30214

RE: Surface Water Withdrawal Permit Application (Renewal)
Permit # 056-1102-06,
Source: Lake Kedron in Flint River Basin
Permit Limits: 4.5 mgd max 24-hr day/ 4.0 mgd monthly average

Dear Ms. Tigert:

In accordance with the Georgia Water Quality Control Act, as amended, the above referenced permit to withdraw surface water from the Lake Kedron in Flint River Basin has been issued by the Division and is hereby enclosed. The conditions of compliance are provided in this permit. Standard Condition number (4)(b) requires the permit holder to submit to the Division within the first 10 days of the calendar month, a monthly Surface Water Withdrawal Report for the previous month, showing daily raw water withdrawals associated with this permit. A copy of this reporting form is included.

Exceeding the maximum 24-hour or monthly average withdrawal limitations is a Permit violation and must be reported to the Water Protection Branch by telephone (404) 463-1511 within 48 hours and confirmed in writing within 10 days. Failure to comply with any of the provisions of the Permit may make the permit holder liable for civil penalties as provided by the Act.

If you have any questions, please do not hesitate to contact me at (404) 656-6937 or Johanna.Smith@dnr.ga.gov

Sincerely,

Johanna Smith, P.E.
Surface Water Unit Manager
Water Supply Program