



1314 North 7th Street
Columbia, MO 65201
p: 573-443-2774
f: 573-499-0489
www.bcrsd.com

RESOLUTION NO. 2026-07

A RESOLUTION DECLARING THE INTENT OF THE BOONE COUNTY REGIONAL SEWER DISTRICT TO ALLOCATE CAPACITY FOR THE SOUTH ROUTE K WASTEWATER TREATMENT FACILITY

NOW on this 21 day of april, 2026, the Boone County Regional Sewer District Board of Trustees (the “Board of Trustees”) met in session and adopted the following resolution:

WHEREAS, the Boone County Regional Sewer District (the “District”) is a public sewer district organized and existing under the constitution and laws of the State of Missouri; and

WHEREAS, the District owns, operates and maintains a wastewater treatment facility known as the South Route K Wastewater Treatment Facility (the “South Route K WWTF”) located in Boone County, Missouri and

WHEREAS, said South Route K WWTF is permitted by the Missouri Department of Natural Resources (“MDNR”) under Missouri State Operating Permit (MSOP) Number MO-0087173; and

WHEREAS, the Board of Trustees, through adoption of various resolutions including, but not limited to, most recently a resolution adopted on March 17, 2020, have prohibited additional connections to the South Route K WWTF except as expressly approved by the Board of Trustees following an engineering analysis of a proposed connection (the “South Route K WWTF Capacity Resolutions”); and

WHEREAS, the South Route K WWTF Capacity Resolutions were based on information regarding the capacity of the South Route K WWTF as calculated and presented in a series of memoranda from District staff, including, but not limited to, most recently updated by the memorandum from the District General Manager dated January 21, 2020 (the “South Route K WWTF Capacity Memoranda”); and

WHEREAS, changes to regulations and accompanying guidance from MDNR have caused the calculations in the South Route K WWTF Capacity Memoranda to be outdated and necessitate revision; and

WHEREAS, the attached memorandum dated April 14, 2026, outlines the current treatment capacity at the South Route K WWTF, as calculated based on current MDNR regulations and guidance and best practices (the “April 2026 South Route K WWTF Memorandum”), which updates the South Route K WWTF Capacity Memoranda.

not overload the plant. Should the flow per home be reduced to 277.5 GPD, the build-out rate would still be 75%, which is above the wet-weather loading rate of 41%.

RECOMMENDATIONS

1. Based on guidance from “PUB2754” on Table 1-1 and observed flow data, utilize a per capita hydraulic flow value of 75 gallons per day per person for residential homes. This will result in an allocation of 277.5 gallons per home. See attached PUB2754 excerpt and Table A for reference.
2. Going forward, refer to the Jan 21, 2020 memorandum, including all previous iterations of similar memoranda and all previously adopted Table A versions, only as a historical reference of how capacity was determined leading up to previous Board of Trustee resolutions adopted prior to this memo.
3. Adopt the attached Table A to reflect the allocation of 277.5 gallons per home and designate the excess capacity as “Remaining Capacity” to be purchased on a first-come, first-served basis. Table A shall be tracked and amended anytime capacity is purchased or allocated within the South Route K WWTF Service Area.
4. Direct that at such time as the entire “Remaining Capacity” of the South Route K WWTF is purchased and allocated, a new engineering analysis would be required prior to any further allocations, and no further connections to the South Route K WWTF be allowed without Board of Trustees’ approval.



1314 North 7th Street
Columbia, MO 65201
p: 573-443-2774
f: 573-499-0489

www.bcrsd.com

DATE: April 14, 2026

TO: Board of Trustees

FROM: Jesse Stephens

SUBJECT: Wastewater Treatment Capacity at the South Route K Wastewater Treatment Facility (WWTF) – 2026 Evaluation and Recommendations.

EXISTING CONDITION AND 2026 EVALUATION:

The Board of Trustees previously received a memorandum dated January 21, 2020, from Tom Ratermann. This document contains historical context for allocated connection capacity at the South Route K WWTF and a summary table showing allocation of capacity to residential developments based on the number of home connections and allocation of capacity to commercial properties based on overall total gallons. The allocated capacity in the report showed each single-family home with a hydraulic loading rate of 304 gallons per day per home.

In February 2019, Missouri Clean Water Commission regulation Chapter 10 CSR 20-8 “Minimum Design Standards” was amended and an accompanying publication “PUB2754” was released to provide additional guidance to designers and regulators. The document included Table 1-1. Minimum Design Loadings. The table provides flexibility to determine the hydraulic loading capacity between 75-100 gallons per day per capita for single family dwellings and mobile homes, and between 60-100 gallons per day per capita for apartments and condominiums, with a per capita of 3.7 persons per residence.

Hydraulic and organic loading data is continuously collected for the South Route K WWTF. Both Organic and Hydraulic Loading Data were considered. From 2024 through the date of this memorandum, the average organic loading for influent has been 231 milligrams per liter. Per Table 1-1, 0.22 pounds of BOD5 per capita is projected, and at 100 gallons per capita this would be a concentration of 264 mg/L. At 75 gallons per capita this would be a concentration of 352 mg/L. In either case, the observed organic loadings are less than this concentration, and within recommended limits.

For 2024, the observed hydraulic flow to the facility including wet weather flows was 91,000 gallons per day and the 2025 observed hydraulic flow to the facility including wet weather flows was 99,600 gallons per day. The treatment plant is rated at 244,000 gallons per day between both outfalls. Hydraulically, the plant average loading is at 41% based on current build-out. For the existing treatment plant allocation, the properties were reviewed to determine (1) their status at the end of 2025 and (2) which properties had been built on and were contributing flow to the South Route K WWTF. For all properties with allocations, 83% have been built and are contributing flow. The remaining 17% would



1314 North 7th Street
Columbia, MO 65201
p: 573-443-2774
f: 573-499-0489
www.bcrsd.com

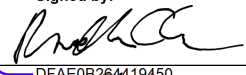
NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE BOONE COUNTY REGIONAL SEWER DISTRICT, AS FOLLOWS:

The Board of Trustees hereby adopts the methodology described in the attached April 2026 South Route K WWTF Memorandum for the District’s determination of remaining capacity at the South Route K WWTF.

The Board of Trustees hereby declares the South Route K WWTF to be nearing capacity, and as such, any future connections purchased in excess of what is shown in the April 2026 South Route K WWTF Memorandum as remaining capacity shall be allowed only with the approval of the Board of Trustees and only after engineering analysis of the proposed connection.

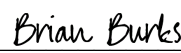
The Board of Trustees further orders the Executive Director to make such reasonable arrangements to accomplish the above, subject to the review and approval of the Sewer District’s General Counsel.

PASSED by the Board of Trustees of the Boone County Regional Sewer District, this 21 day of april, 2026.

Signed by: 
DFAE0B264419450
Chairman of the Board of Trustees

(SEAL)

ATTEST

Signed by: 
3079FC02B47740A1
Secretary of the Board of Trustees