

January 10, 2024

Mr. Wayne Wilson  
Region G Chair  
c/o Wilson Cattle Company  
7026 East OSR  
Bryan, TX 77808

Dear Chairman Wilson:

The Texas Water Development Board has reviewed your request dated October 27, 2023, for approval of alternative water supply assumptions to be used in determining existing and future surface water availability. This letter confirms that the TWDB approves the following assumptions:

1. Modify the Brazos WAM Run 3 to separate individual Brazos River Authority (BRA) contractual diversions from cumulative contractual diversions.
2. Modify the Brazos WAM Run 3 to add return flows for evaluation of existing and reuse strategy supplies.
3. Modify the Brazos WAM Run 3 to add existing contractual subordination agreements for evaluation of existing and strategy supplies.
4. Modify the Brazos WAM Run 3 to report availabilities for the BRA by reservoir system for evaluation of existing and strategy supplies.
5. Modify the Brazos WAM Run 3 to accurately reflect implementation of the BRA's System Operations permit for evaluation of existing and strategy supplies.
6. Modify the Brazos WAM Run 3 to update reservoir operating rules that more accurately reflect recent drought conditions for evaluation of existing and strategy supplies.
7. Utilize the following safe yields for reservoirs in the Brazos Basin:
  - a. 2-year Safe Yield for Fort Phantom Hill and Hubbard Creek reservoirs.
  - b. 1-year Safe Yield for Abilene, Cisco, Daniel, Graham-Eddleman, Kirby, Stamford, Sweetwater, Trammel, Lytle, Hamlin, Anson North, Woodson, Baird, McCarty, Moran, Bryson, and Millers Creek Reservoirs.
  - c. 0.5-year safe yield for Lake Palo Pinto.
8. Account for other error corrections in the Brazos WAM Run 3 that may be identified during application of the WAM, provided that the TWDB is notified of the errors identified and the methods adopted to correct the errors.
9. Evaluate existing or future supplies utilizing ASR evaluations with surface water availability as determined by the WAM compared to demand for the WUG/WWP,

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with the firm supply being the maximum demand that could be met assuming a repetition of the period of record drought.

10. For the Colorado River Basin, use the Colorado WAM as modified by the Region F RWPG and the Region K RWPG and approved by the TWDB for all availability analyses in the basin.
11. For the Red River Basin, use the Red River WAM as modified by the Region B RWPG and approved by the TWDB for all availability analyses in the basin.
12. For the Trinity River Basin, use the Trinity WAM as modified by the Region C RWPG and approved by the TWDB for existing supply analyses in the basin. If Region C submits a variance for future strategy supplies and that is approved by the TWDB, the TWDB will inform Region G they are approved to apply that variance for future supplies. Otherwise, Region G will need to use TCEQ's WAM RUN3.
13. For the Guadalupe-San Antonio River Basin, use the Guadalupe-San Antonio WAM as modified by the Region L RWPG and approved by the TWDB for all availability analyses in the basin.

Although the TWDB approves the use of safe yields for developing estimates of current water supplies, firm yield for each reservoir must still be reported to TWDB in the online planning database and plan documents.

While the use of these modified conditions may be reasonable for planning purposes, WAM RUN3 would be utilized by the Texas Commission on Environmental Quality for analyzing permit applications. It is acceptable to use the modified conditions for WMS supply evaluations only if the yield produced is more conservative (less) for surface water appropriations than WAM RUN3.

While the TWDB authorizes these modification to evaluate existing and future water supplies for development of the 2026 Region G RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes and will reflect conditions expected in the event of actual drought conditions; and in all other regards will be evaluated in accordance with the most recent version of regional water planning contract Exhibit C, *General Guidelines for Development of the 2026 Regional Water Plans*.

Please do not hesitate to contact John Maurer of our Regional Water Planning staff at (512) 475-1613 or [john.maurer@twdb.texas.gov](mailto:john.maurer@twdb.texas.gov) if you have any questions.

Sincerely,

Matt Nelson  
Deputy Executive Administrator

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- c: Pam Hannemann, Brazos River Authority
- Tony Smith, Carollo Engineers (Region G Consultant)
- John Maurer, Water Supply Planning
- Sarah Lee, Water Supply Planning
- Nelun Fernando, Ph.D., Surface Water
- Lissa Gregg, Freese and Nichols, Inc. (Region F Consultant)
- Neil Deeds, INTERA (Region K Consultant)
- Jeremy Rice, Freese and Nichols, Inc. (Region B Consultant)
- Abigail Gardner, Freese and Nichols, Inc. (Region C Consultant)
- Lauren Gonzalez, Black and Veatch Corp. (Region L Consultant)