

June 27, 2018

Mr. Russell Schreiber  
Region B Chair  
City of Wichita Falls  
P.O. Box 1431  
Wichita Falls, Texas 76307

RE: Region B Regional Water Planning Group (RWPG) request for approval to modify existing surface water availability hydrologic assumptions for development of the 2021 Region B Regional Water Plan (RWP)

Dear Mr. Schreiber:

The Texas Water Development Board (TWDB) has reviewed Region B's request dated January 10, 2018 for approval of alternative hydrologic assumptions to be used in determining existing surface water source availability. This letter confirms that the TWDB approves the following assumptions:

1. The use of a one-year safe yield for all existing Region B reservoirs within the Red River Basin, except for Lake Arrowhead, Lake Kickapoo, and the Kemp-Diversion reservoir system.
2. The use of a 20 percent capacity safe yield for the City of Wichita Falls' water supply sources including Lake Arrowhead, Lake Kickapoo, and the Kemp-Diversion reservoir system.
3. The use of four reservoir-specific operation models with extended hydrology through 2015.
4. The use of surface water availabilities for Greenbelt Reservoir, based upon the hydrologic variance approved for use by the Region A RWPG.
5. The use of surface water availabilities for Lake Amon G. Carter, based upon the hydrologic variance approved for use by the Region C RWPG.

Although the TWDB approves the use of safe yield (a one-year reserve or a 20 percent capacity reserve, as specified above) for developing estimates of certain surface water availabilities, firm yield for each reservoir must still be reported to TWDB in the online planning database and plan documents.

For the purpose of evaluating potentially feasible water management strategies, the appropriate Texas Commission on Environmental Quality's WAM RUN3 is to be used,

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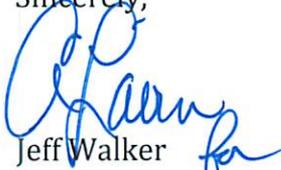
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unless a hydrologic variance request for future surface water source availabilities is submitted and approved.

While the TWDB authorizes the above modifications to evaluate existing surface water availabilities for the development of the 2021 Region B RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of existing surface water availabilities are reasonable for drought of record planning purposes and will reflect conditions expected in the event of an actual drought of record; and in all other regards will be evaluated in accordance with the contract Exhibit C, *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development*.

If you have any questions, please do not hesitate to contact Connie Townsend, project manager for Region B, at 512-463-8290 or via email at [connie.townsend@twdb.texas.gov](mailto:connie.townsend@twdb.texas.gov).

Sincerely,



Jeff Walker  
Executive Administrator

- c: Mr. Randy Whiteman, Red River Authority  
Mr. Kerry Maroney, Biggs & Matthews  
Ms. Simone Kiel, Freese & Nichols, Inc.  
Mr. Robert Adams, Alan Plummer Associates, Inc.  
Ms. Amy Kaarlela, Freese & Nichols, Inc.  
Ms. Connie Townsend, TWDB