

**MINUTES OF THE BOARD OF DIRECTORS' WORK SESSION
NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT**

TUESDAY, JULY 8, 2014

**COLLIN COUNTY ADMINISTRATIVE BUILDING
4TH FLOOR COMMISSIONERS COURT ROOM
2300 BLOOMDALE RD
MCKINNEY, TX 75071**

Members Present: Thomas Smith, Ronny Young, Philip Sanders, Chris Boyd, Dan Collins, Eddy Daniel, Evan Groeschel, and Ron Sellman

Members Absent: Kenny Klement

Staff: Drew Satterwhite, Carolyn Bennett, Wayne Parkman and Carmen Catterson

Visitors: Kristen Fancher, Sledge Fancher, PLLC
James Beach, LBG Guyton
Dianne Helms, Senator Estes Office
Mike Keester, LBG Guyton
Keith King, The Weekly News of Cooke County
Neal Welch, City of Sanger
Pete Schulmeyer, Collier Consulting
Carl Deaton, Hankins, Eastup, Deaton , Tonn & Seay

1. Call to order, establish quorum; declare work session open to the public; introduction of Board

President Smith called the work session to order at 9:36 AM. All Board members were present except Board Members Klement and Sellman.

2. Consider and discuss support for the Northern Trinity/Woodbine Aquifer GAM Overhaul Project Predictive Simulations

Mr. James Beach with LBG Guyton provided an update on aquifer conditions, the Groundwater Availability Model (GAM) results, the process of establishing Desired Future Conditions (DFCs) and establishing Modeled Available Groundwater (MAG). He explained that the consultants were recommending the initial GAM runs to establish "bookend" for the DFC process, which will help them get the most out of the amount being paid for the GAM update.

Board Member Sellman arrived at 9:39 AM

Mr. Beach explained that collecting the most accurate data possible will be very important when establishing DFCs. Cooke County has a great deal of outcrop. Pumping in the outcrop will impact the down-dip areas to the south and east. Outcrop and sub-crop areas will react differently to pumping, so the DFCs will need to address both scenarios. Mr. Beach reviewed the amount of wells that were screened for the GAM update. The wells were sorted by the layer of the aquifer.

DFCs are also utilized by the Regional Water Planning Groups to add projects and sources of water for future water planning. This information is incorporated into the State Water Plan. The DFCs are also used for joint groundwater planning within Groundwater Management Areas (GMAs). The MAG number is a consideration for groundwater planning. However, MAGs are provided by the Texas Water Development Board (TWDB) as a cap for groundwater usage, not a goal. Mr. Beach reviewed the current pumping data as they compare with the DFCs established by the old GAM. The Woodbine Aquifer MAG is nearing 100% of current pumping and the Trinity Aquifer MAG is nearly 40%.

Mike Keester with LBG Guyton explained the new DFC guidelines. There must be a balance between highest production and highest conservation. The GAM will be the most visible tool for determining DFCs. The first run done in the updated GAM used the same information as the previous GAM to compare the results. Run 1 showed additional drawdown in most cases. Collin County had 236 feet of additional drawdown in the Woodbine Aquifer and 354 feet in the Paluxy.

Mr. Beach explained that Runs 2 and 3 would serve as “bookends” to establish both ends of the DFC spectrum – high levels of pumpage and high levels of conservation. Run 2 would show stable water levels, which would indicate additional conservation. This run would require a reduction in groundwater production. Run 3 would show an aggressive reduction in water levels to the top of the aquifer.

The two runs would provide a beginning point for negotiations on what districts would like to see in GMA 8. Most districts will want something in between Runs 2 and 3. The Board discussed the implications of both runs and how they might impact the District in the future.

Mr. Beach explained that districts will be able to perform additional runs once multiple districts are able to decide parameters for the runs. Most runs will be joint efforts, but districts will likely complete runs independently. However, the cost to perform a run may become problematic unless they are completed in connection with other districts.

All considered runs will be included in the Explanatory Report being completed by Bill Mullican on behalf of GMA 8. The report must be submitted to the TWDB with the DFCs. The report will provide support in the event someone petitions the District or GMA 8.


Board Member Collins asked what steps the District needed to take to defend DFC numbers for approval at the GMA 8 level. Mr. Beach responded that the District would need to work with other districts in the area and the rest of GMA 8 to compromise and reach an agreement. He stated that the DFC process is very complicated and is a balancing act. Board

Member Daniel stated that meaningful discussion would be necessary at both local and regional levels.

3. Adjourn Board work session

The public hearing adjourned at 11:40 AM.

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Recording Secretary



Secretary-Treasurer