Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

August 21, 2012

Ms. Janet Guthrie
General Manager
Hemphill County Underground Water Conservation District
P.O. Box 1142
Canadian, TX 79014

Re: Revised modeled available groundwater estimates for the Ogallala Aquifer in Groundwater Management Area 1

Dear Ms. Guthrie:

The Texas Water Code, Section 36.1084, Subsection (b), states that the Texas Water Development Board's (TWDB) executive administrator shall provide each groundwater conservation district and regional water planning group located wholly or partly in the groundwater management area with the modeled available groundwater in the management area based upon the desired future conditions adopted by the districts. This letter and the attached report (GAM Run 12-005 MAG) are in response to this directive.

Modeled available groundwater is defined in the Texas Water Code, Section 36.001, Subsection (25), as "the amount of water that the executive administrator determines may be produced on an average annual basis to achieve a desired future condition established under Section 36.108." The TWDB conducted this model run as requested by Groundwater Management Area 1 members. This model run uses an updated Groundwater Availability Model for the northern portion of the Ogallala Aquifer and supersedes GAM Run 09-026 MAG.

For use in the regional water planning process, modeled available groundwater estimates have been reported by aquifer, county, river basin, regional water planning area, groundwater conservation district, and any other subdivision of the aquifer designated by the management area (if applicable).

We encourage open communication and coordination between groundwater conservation districts, regional water planning groups, and the TWDB to ensure that the modeled available groundwater reported in regional water plans and groundwater management plans are not in conflict. We estimated modeled available groundwater that would have to occur to achieve the desired future conditions using the best available scientific tools. However, these estimates are based on assumptions of the magnitude and distribution of projected pumping in the aquifer. It

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is, therefore, important for groundwater conservation districts to monitor whether their management of pumping is achieving their desired future conditions. Districts are encouraged to continue to work with the TWDB to better define available groundwater as additional information may help better assess responses of the aquifer to pumping and its distribution now and in the future.

If you have any questions, please contact Ms. Rima Petrossian of my staff at 512-936-2420 or rima.petrossian@twdb.texas.gov for further information.

Sincerely,

Melanie Callahan

Melanie Callahan
Executive Administrator

Attachment: GAM Run 12-005 MAG

c w/att.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
Kellye Rila, Texas Commission of Environmental Quality
Kelly Mills, Texas Commission of Environmental Quality
Curtis Campbell, Red River Authority
Simone Kiel, Freese & Nichols, Inc.
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August 21, 2012

Mr. Jim Conkwright
General Manager
High Plains Underground Water Conservation District No. 1
2930 Avenue Q
Lubbock, TX 79411

Re: Revised modeled available groundwater estimates for the Ogallala Aquifer in Groundwater Management Area 1

Dear Mr. Conkwright:

The Texas Water Code, Section 36.1084, Subsection (b), states that the Texas Water Development Board's (TWDB) executive administrator shall provide each groundwater conservation district and regional water planning group located wholly or partly in the groundwater management area with the modeled available groundwater in the management area based upon the desired future conditions adopted by the districts. This letter and the attached report (GAM Run 12-005 MAG) are in response to this directive.

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August 21, 2012

Mr. Steven Walthour
General Manager
North Plains Groundwater Conservation District
P.O. Box 795
Dumas, TX 79029

Re: Revised modeled available groundwater estimates for the Ogallala Aquifer in Groundwater Management Area 1

Dear Mr. Walthour:

The Texas Water Code, Section 36.1084, Subsection (b), states that the Texas Water Development Board's (TWDB) executive administrator shall provide each groundwater conservation district and regional water planning group located wholly or partly in the groundwater management area with the modeled available groundwater in the management area based upon the desired future conditions adopted by the districts. This letter and the attached report (GAM Run 12-005 MAG) are in response to this directive.

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August 21, 2012

Mr. C. E. Williams
General Manager and Panhandle Regional Water Planning Group Chairman
Panhandle Groundwater Conservation District
P.O. Box 637
White Deer, TX 79097

Re: Revised modeled available groundwater estimates for the Ogallala Aquifer in Groundwater Management Area 1

Dear Mr. Williams:

The Texas Water Code, Section 36.1084, Subsection (b), states that the Texas Water Development Board's (TWDB) executive administrator shall provide each groundwater conservation district and regional water planning group located wholly or partly in the groundwater management area with the modeled available groundwater in the management area based upon the desired future conditions adopted by the districts. This letter and the attached report (GAM Run 12-005 MAG) are in response to this directive.

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August 21, 2012

Mr. Kyle Ingham
Local Government Services Director
Panhandle Regional Planning Commission
P.O. Box 9257
Amarillo, TX 79105

Re: Revised modeled available groundwater estimates for the Ogallala Aquifer in Groundwater Management Area 1

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