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

July 10, 2012

Mr. Zack Holland
General Manager
Bluebonnet Groundwater Conservation District
P.O. Box 269
Navasota, TX 77868

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Holland:

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 reports (GAM Run 10-053 MAG Version 3 and GAM Run 10-055 MAG Version 2) are in response to this directive.

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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

Attachments: GAM Run 10-053 MAG Version 3
GAM Run 10-055 MAG Version 2

c w/atts.: 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
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July 10, 2012

Mr. John Pyburn
President
Brazoria County Groundwater Conservation District
111 East Locust, Building A-29, Suite 140
Angleton, TX 77515

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Pyburn:

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July 10, 2012

Ms. Cynthia Lopez
Office Manager
Brazos Valley Groundwater Conservation District
P.O. Box 528
Hearne, TX 77859

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Ms. Lopez:

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July 10, 2012

Ms. Kathy Jones
General Manager
Lone Star Groundwater Conservation District
P.O. Box 2467
Conroe, TX 77305

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Ms. Jones:

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July 10, 2012

Mr. Bill Jacobs
General Manager
Lower Trinity Groundwater Conservation District
P.O. Box 1879
Livingston, TX 77351

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Jacobs:

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July 10, 2012

Mr. John Martin
General Manager
Southeast Texas Groundwater Conservation District
P.O. Box 1407
Jasper, TX 75951

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Martin:

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July 10, 2012

Mr. Wayne Wilson
Brazos Regional Water Planning Group Chairman
Wilson Cattle Company
7026 East OSR
Bryan, TX 77808

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Wilson:

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Lann Bookout, Water Resources Planning
Wendy Barron, Water Resources Planning

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

July 10, 2012

Mr. Kelley Holcomb
East Texas Regional Water Planning Group Chairman
Angelina & Neches River Authority
P.O. Box 387
Lufkin, TX 75902

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Holcomb:

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 reports (GAM Run 10-053 MAG Version 3 and GAM Run 10-055 MAG Version 2) 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." This is different from "managed available groundwater," shown in the previous versions of GAM Run 10-035 MAG, which was a permitting value and accounted for the estimated use exempt from permitting. This change was made to reflect changes in statute by the 82nd Legislature, effective September 1, 2011.

The previous versions of GAM Run 10-053 MAG and GAM Run 10-055 MAG included modeled available groundwater values for counties that were declared "not-relevant" for joint planning purposes by Groundwater Management Area 14. Since modeled available groundwater only applies to areas with a specified desired future condition, these reports have been updated to depict modeled available groundwater in relevant counties only.

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

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Melanie Callahan, Executive Administrator

the best available scientific tools. However, these estimates are based on assumptions of the magnitude and distribution of projected pumping in the aquifer. It 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

Attachments: GAM Run 10-053 MAG Version 3
GAM Run 10-055 MAG Version 2

c w/atts.: 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
David Dunn, HDR Engineering
Jason Afinowicz, Freese & Nichols, Inc.
Rex Hunt, Alan Plummer Associates, Inc.
Trey Buzbee, Brazos River Authority
Reed Eichelberger, San Jacinto River Authority
Jim Jeffers, City of Nacogdoches
Jerry Clark, Sabine River Authority
Scott Hall, P.E., Lower Neches Valley Authority
J. Kevin Ward, Trinity River Authority
Tom Michel, Harris-Galveston and Fort Bend Subsidence Districts
Robert E. Mace, Ph.D., P.G., Deputy Executive Administrator, Water Science and Conservation
Larry French, P.G., Groundwater Resources
Cindy Ridgeway, P.G., Groundwater Resources
Rima Petrossian, P.G., Groundwater Resources
Jerry Shi, Ph.D., P.G., Groundwater Resources
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July 25, 2012

Mr. Mark Evans
Region H Water Planning Group Chairman
Trinity County
P.O. Box 2342
Groveton, TX 75862

Re: Revised modeled available groundwater estimates for the Queen City and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Evans:

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 reports (GAM Run 10-053 MAG Version 3 and GAM Run 10-055 MAG Version 2) are in response to this directive.

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Executive Administrator

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