Texas Water Development Board

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

November 21, 2011

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

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, 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 10-038 MAG, GAM Run 10-052 MAG, GAM Run 10-053 MAG, GAM Run 10-054 MAG, and GAM Run 10-055 MAG) are in response to this directive.

As noted in the letter received by the TWDB on August 30, 2010, from Lloyd Behm of the Bluebonnet Groundwater Conservation District on behalf of Groundwater Management Area 14, desired future conditions were adopted for the Gulf Coast, Carrizo[-Wilcox], Queen City, Sparta, and Yegua-Jackson aquifers on August 25, 2010.

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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.state.tx.us for further information.

Sincerely,

Melanie Callahan
Interim Executive Administrator

Melanie Callahan

Attachments: GAM Run 10-038 MAG
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November 21, 2011

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

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Pyburn:

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November 21, 2011

Mr. Ralph Crum
General Manager
Brazos Valley Groundwater Conservation District
P.O. Box 528
Hearne, TX 77859

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Crum:

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November 21, 2011

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

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Ms. Jones:

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November 21, 2011

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

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Jacobs:

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November 21, 2011

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

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November 21, 2011

Mr. Scott Diermann
Brazos Regional Water Planning Group Chairman
Luminant Power
1601 Bryan Street, Energy Plaza
Dallas, TX 75201

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson aquifers in Groundwater Management Area 14

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Michael Reedy, Freese & Nichols, Inc.
Rex Hunt, Alan Plummer Associates, Inc.
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Robert E. Mace, Ph.D, P.G., Deputy Executive Administrator, Water Science and Conservation
Cindy Ridgeway, P.G., Groundwater Resources
Rima Petrossian, P.G., Groundwater Resources
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Dan Hardin, Water Resources Planning
Matt Nelson, Water Resources Planning
Temple McKinnon, Water Resources Planning
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.state.tx.us
Phone (512) 463-7847, Fax (512) 475-2053

November 21, 2011

Mr. Mark Evans
Region H Water Planning Group Chairman
Trinity County Courthouse
P.O. Box 457
Groveton, TX 75845

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, 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 10-038 MAG, GAM Run 10-052 MAG, GAM Run 10-053 MAG, GAM Run 10-054 MAG, and GAM Run 10-055 MAG) are in response to this directive.

As noted in the letter received by the TWDB on August 30, 2010, from Lloyd Behm of the Bluebonnet Groundwater Conservation District on behalf of Groundwater Management Area 14, desired future conditions were adopted for the Gulf Coast, Carrizo[-Wilcox], Queen City, Sparta, and Yegua-Jackson aquifers on August 25, 2010.

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 draft version of the Gulf Coast Aquifer and Yegua-Jackson Aquifer reports, 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. 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 condition using the

Our Mission

To provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas

Board Members

Edward G. Vaughan, Chairman
Joe M. Crutcher, Vice Chairman
Thomas Weir Labatt III, Member
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Billy R. Bradford Jr., Member
Monte Cluck, Member

Melanie Callahan, Interim Executive Administrator

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.state.tx.us for further information.

Sincerely,

Melanie Callahan
Interim Executive Administrator

Melanie Callahan

Attachments: GAM Run 10-038 MAG
GAM Run 10-052 MAG
GAM Run 10-053 MAG
GAM Run 10-054 MAG
GAM Run 10-055 MAG

c w/atts.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
Linda Brookins, Texas Commission of Environmental Quality
Kelly Mills, Texas Commission of Environmental Quality
David Dunn, HDR Engineering
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November 21, 2011

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

Re: Modeled available groundwater estimates for the Gulf Coast, Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson aquifers in Groundwater Management Area 14

Dear Mr. Holcomb:

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Sincerely,

Melanie Callahan
Interim Executive Administrator

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