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

June 24, 2011

Mr. Conrad Arriola
General Manager
Brewster County Groundwater Conservation District
P.O. Box 465
Alpine, TX 79831

Re: Total pumping and managed available groundwater estimates for the Igneous, West Texas Bolsons, and Marathon aquifers in Groundwater Management Area 4

Dear Mr. Arriola:

The Texas Water Code, Section 36.108, Subsection (o), states that the Texas Water Development Board's executive administrator shall provide each district and regional water planning group located wholly or partly within a groundwater management area with the managed available groundwater (MAG) in the management area based upon the desired future condition(s) of the groundwater resource. This letter and the attached reports (GAM Run 10-036 MAG, GAM Run 10-037 MAG, and GTA Aquifer Assessment 10-23 MAG) are in response to this directive.

As noted in the letter received by the Texas Water Development Board (TWDB) on August 18, 2010, from Janet Adams of the Jeff Davis County Underground Water Conservation District on behalf of Groundwater Management Area 4, desired future conditions were adopted for the Igneous, West Texas Bolsons, and Marathon aquifers on August 13, 2010.

Managed available groundwater is defined in the Texas Water Code, Section 36.001, Subsection (25), as "the amount of water that may be permitted by a district for beneficial use in accordance with the desired future condition of the aquifer as determined under Section 36.108." For use in the regional water planning process, total pumping estimates (water both subject to permitting and exempt from permitting) 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). The managed available groundwater is the portion of the estimated total pumping that is available for permitting by districts. In order to calculate the managed available groundwater, TWDB first estimated and sought input from the groundwater conservation districts on the amount of water exempt from permitting. Since managed available groundwater is a permitting value that only applies within a groundwater conservation district, it has been reported only at the groundwater conservation district level.

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Monte Cluck, Member

Melanie Callahan, Interim Executive Administrator

We encourage open communication and coordination between groundwater conservation districts, regional water planning groups, and the TWDB to ensure that the total pumping and managed available groundwater reported in regional water plans and groundwater management plans are not in conflict. We estimated total pumping and managed available groundwater using the best available scientific tools. However, these estimates are based on assumptions of the magnitude and distribution of 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

Melanie Callahan
Interim Executive Administrator

Attachments: GAM Run 10-036 MAG
GAM Run 10-037 MAG
GTA Aquifer Assessment 10-23 MAG

c w/atts.: L'Oreal Stepney, Deputy Director, Office of Water, Texas Commission of Environmental Quality
Linda Brookins, Texas Commission of Environmental Quality
Cary Betz, Texas Commission of Environmental Quality
Kelly Mills, Texas Commission of Environmental Quality
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June 24, 2011

Mr. John Jones
General Manager
Culberson County Groundwater Conservation District
P.O. Box 1295
Van Horn, TX 79855

Re: Total pumping and managed available groundwater estimates for the Igneous, West Texas Bolsons, and Marathon aquifers in Groundwater Management Area 4

Dear Mr. Jones:

The Texas Water Code, Section 36.108, Subsection (o), states that the Texas Water Development Board's executive administrator shall provide each district and regional water planning group located wholly or partly within a groundwater management area with the managed available groundwater (MAG) in the management area based upon the desired future condition(s) of the groundwater resource. This letter and the attached reports (GAM Run 10-036 MAG, GAM Run 10-037 MAG, and GTA Aquifer Assessment 10-23 MAG) are in response to this directive.

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Sincerely,

Melanie Callahan

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Interim Executive Administrator

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June 24, 2011

Mr. Randy Barker
General Manager
Hudspeth County Underground Water Conservation District No. 1
P.O. Box 212
Dell City, TX 79837

Re: Total pumping and managed available groundwater estimates for the Igneous, West Texas Bolsons, and Marathon aquifers in Groundwater Management Area 4

Dear Mr. Barker:

The Texas Water Code, Section 36.108, Subsection (o), states that the Texas Water Development Board's executive administrator shall provide each district and regional water planning group located wholly or partly within a groundwater management area with the managed available groundwater (MAG) in the management area based upon the desired future condition(s) of the groundwater resource. This letter and the attached reports (GAM Run 10-036 MAG, GAM Run 10-037 MAG, and GTA Aquifer Assessment 10-23 MAG) are in response to this directive.

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June 24, 2011

Ms. Janet Adams
General Manager
Jeff Davis County Underground Water Conservation District,
Presidio County Underground Water Conservation District
P.O. Box 1203
Fort Davis, TX 79734

Re: Total pumping and managed available groundwater estimates for the Igneous, West Texas Bolsons, and Marathon aquifers in Groundwater Management Area 4

Dear Ms. Adams:

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June 24, 2011

Mr. Tom Beard
Chairman
Far West Texas Regional Water Planning Group
P.O. Box 668
Alpine, TX 79831

Re: Total pumping and managed available groundwater estimates for the Igneous, West Texas Bolsons, and Marathon aquifers in Groundwater Management Area 4

Dear Mr. Beard:

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Interim Executive Administrator

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