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January 24, 2012

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Mr. Andrew Craddock
Office of Assured and Adequate Water Supply
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012

Re: Application for a Designation of Adequate Water Supply for Pueblo del Sol Water Company DWR No 40-700705.000

Dear Mr. Craddock:

We received your letters dated September 22, 2011 and October 13, 2011 regarding the above referenced application. The former stated that the current, committed, and projected demand estimate was incorrect in the DAWS application, and the latter addressed specifics to completing the modeling scenarios with issued demands provided by the Department. Fluid Solutions and Brown and Caldwell (B&C) met with representatives from ADWR on November 10, 2011 to discuss the model revisions required to prove the physical availability of a 100 year water supply for Pueblo del Sol Water Company (PDS). The complete response to these incomplete letters follows.

1. **Revised DAWS Application Demands**
   The Department asked that the DAWS Application reflect the most current demand reported for Pueblo del Sol Water Company (PDS) of 1,421 acre-feet (for the year 2010). Additionally, the current, committed and projected demands were revised as per your letter dated September 22, 2011. Attachment A to this letter are copies of a detailed spreadsheet with revised estimates of committed demand for those recorded lots not yet served by PDS, using the same technique for calculating as explained in the original Hydro Report. Added to the projected demands are the total demands of the Tribute Master Planned Community (Tribute MPC) being served by PDS (a small portion will be served by Liberty Water Company as explained in the original Hydro Report.) The revised DAWS application is included as Attachment B.

2. **Model Revisions**
   B&C revised the pumping files in the model with revisions of pumping demands from Fluid Solutions. All approved demands (inadequate and adequate) by the Department for subdivisions within the model domain were accounted for in the revised simulations. Attachment C to this letter is a list of the subdivisions and associated total demands that Fluid Solutions included in the 100 year simulations run by B&C. The revisions and results are discussed in the attached Technical Memorandum (Attachment D).

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Both pre- and post-Tribute 100-year simulations were run with the revisions made as outlined above. Figures 1 and 2 of the technical memorandum show the 2008 model-simulated heads and the 2008 observed vs model-simulated water levels after model calibration, respectively. The additional six figures were created for each 100-year scenario, which show the regional and local water level elevation, depth to static water level, and drawdown after 100 years. These maps are included as part of the Technical Memorandum in Attachment D. The input and output model components are summarized in Table 2-1 of the technical memorandum and the model files are included on the DVD in the B&C Deliverable folder.

Please contact me with any questions. Thank you for your assistance.

Sincerely,
Fluid Solutions

Registered Geologist
CERTIFICATE NO.
49661
ERIN MARIE
YOUNG
DATE SIGNED 2-4-JAN 2012
ARIZONA, U.S.A.

Erin M. Young, R.G.
Project Hydrogeologist

Expires 4/21/2012

CC: via Electronic Mail:
Richard Obenshain, ADWR
Rick Coffman, Pueblo del Sol Water Co.

Attachments:
A Revised Committed Demand Figures
B Revised PDS DAWS Application
C ADWR Issued Demands in Model
D Brown and Caldwell Technical Memorandum