

## **ATTACHMENT 8. QUALITY ASSURANCE**

### **Carpinteria Valley Water District Carpinteria Groundwater Basin Sentry Well Project**

The fundamental elements of Quality Assurance and Quality Control (QA/QC) are built into the scope of work for the CGB Sentinel Well Project. The project will be performed under the authority and guidance of the District's Board of Directors, which is comprised of individuals representing the various stakeholders associated with the CGB.

A Technical Advisory Committee (TAC) will be assembled to provide technical input and guidance at key milestones during the project. The TAC will consist of the District's General Manager and Chief Engineer, Professional Hydrogeologists from the District's consulting firm on the project (Pueblo), and other key individuals with professional credentials and significant experience with CGB hydrogeology. A tentative list of the TAC includes:

- Charles Hamilton, General Manager, Carpinteria Valley Water District
- Bob McDonald, P.E., District Engineer, Carpinteria Valley Water District
- Michael Burke, P.G. C.Hg., Principal Hydrogeologist, Pueblo Water Resources, Inc.
- Robert Marks, P.G. C.Hg., Principal Hydrogeologist, Pueblo Water Resources, Inc.
- David Gardner, P.G., C.Hg., Principal Hydrogeologist, Fugro West, Inc.

The Monitoring Well Plans and Specifications will be developed and prepared by an experienced, licensed hydrogeologist, which is another built in element of the QA/QC program. The monitoring wells will be constructed in accordance with DWR and local permitting authority standards and guidelines.

Perhaps the most significant element of the project QA/QC will be the supervision of all field activities and the collection and review of all hydrogeologic data by experienced, licensed professionals from the District's Consultant (Pueblo).

Other elements of the QA/QC program include the use of:

- an experienced and licensed drilling contractor (Bradley and Sons, C-57 License No. 414178), with an adopted health and safety plan and an excellent safety record;
- a high quality water testing laboratory with National Environmental Laboratory Accreditation Program (NELAP) Certification (FGL Environmental Laboratory);
- state-of-the-art field water quality monitoring equipment, operated by experienced professionals, and calibrated prior to each use.