



Gary G Small, MS, PG, CEI

Professional Experience: 40 years ♦ HSI Experience: 19 years

Education:

Master of Science
(Hydrology),
University of Arizona,
1973
Bachelor of Science
(Geology), Ft. Hays
Kansas State
University, 1970

Professional Registration:

Geologist: State of
Arizona No. 13119,
1981
Hydrologist: American
Institute of Hydrology
No. 997, 1993
Certified Environmental
Consultant No. 7748,
1991

Awards:

Arizona Hydrological
Society Lifetime
Achievement 2004

Relevant Skills:

- Superior Hydrogeology Understanding
- Operation Strategist
- ASR Operation & Maintenance
- Well abandonment
- Well design
- Well drilling
- Construction inspection
- Quality assurance / quality control (QA/QC)

Summary

President, Provides company leadership, project supervision and oversight as well as technical services for a firm specializing in hydrogeological investigations, groundwater recharge, well design and well drilling technology. Is a leader in water well and injection well design operation and rehabilitation for municipal and private water production and recharge systems.

Technical Experience

Project Manager, Salt River Project (SRP) - Granite Reef Underground Storage Facility (GRUSP), Mesa , AZ

GRUSP was the first large surface water-spreading recharge facility built in Arizona. It was a joint venture of the Salt River Project (SRP) and six Salt River Valley municipalities. It was completed and commenced operations in May of 1994. While employed by the SRP, Mr. Gary G. Small served as Project Manager and was the technical lead on the project. Under his guidance the preliminary design was conceived, the Underground Facility Permit was submitted to the Arizona Department of Water Resources (ADWR) and the framework for the Memorandum of Understanding for the Joint Venture was developed. Mr. Small served in this capacity from 1990-1992. This facility has stored more water than any other in Arizona with the largest permitted annual storage volume.

Project Manager, Vidler Water Co. Full Scale Recharge Project, Carson City, NV

Mr. Small performed and managed the hydrogeologic site evaluation, feasibility of recharge, recharge method, the implementation of the facility design, construction and testing of 120 acres of recharge basins plus 23 vadose zone recharge wells. He performed pilot & full-scale permitting, as well as one year of full-scale facility operation.

Technical Expert, Orange County Water District, Orange County, CA

Mr. Small provided technical guidance to District staff on ASR and injection technology. He served on Expert Value Engineering Panel for the recharge portion of the Groundwater Replenishment System. He also provided technical guidance to the design team for the Fletcher Demonstration Project.

Project Manager, City of Scottsdale Water Campus Project, Scottsdale, AZ

Mr. Small performed and managed the hydrogeologic investigation of the proposed site. He implemented a conceptual plan for utilizing vadose zone recharge well technology for recharging high quality reclaimed water. He assisted in the development of state-of-the-art recharge well designs to maximize efficiency and cost effectiveness. A total of 56 vadose zone recharge wells were constructed to recharge the effluent. He managed the completion of Underground Storage Facility permitting to include four ASR wells. Additionally, he tested ASR wells to determine recharge capacity.

