



SCHIFF ASSOCIATES

EDUCATION:

[Ph.D. - Nuclear Engineering,](#)

**University of California,
Los Angeles**

[M.S. - Engineering,](#)

**University of California,
Los Angeles**

[B.S. - Engineering,](#)

**University of California,
Los Angeles**

REGISTRATIONS AND

CERTIFICATIONS:

[State of California](#)

Corrosion Engineer - #CR1064

[State of Tennessee](#)

Mechanical Engineer - #00100976

[State of Nevada](#)

Mechanical Engineer - #11869

[State of Arizona](#)

Professional Engineer - #33070

[NACE International](#)

Cathodic Protection Specialist - #5350

Corrosion Specialist, P - #5350

PROFESSIONAL ACTIVITIES:

NACE International

**American Water Works
Association (AWWA)**

**American Society for Testing and
Materials (ASTM)**



DR. GRAHAM E.C. BELL, P.E.

President and Principal Engineer

Email: gbell@schiffassociates.com

Dr. Graham E.C. Bell, P.E., is the President and Principal Engineer of Schiff Associates. Dr. Bell has more than 20 years of experience in designing and testing of corrosion control facilities and in forensic evaluation of corrosion damage on buried and submerged structures. Dr. Bell is a registered Corrosion Engineer in the State of California and a registered Mechanical Engineer in the States of Arizona, Tennessee and Nevada. Dr. Bell is certified by NACE International as both a Corrosion and Cathodic Protection Specialist. In 2002, the Western Area of NACE International named Dr. Bell Engineer of the Year and he is the youngest recipient of this honor. Dr. Bell has authored and co-authored more than fifty technical papers and given more than one hundred technical conference presentations.

Dr. Bell is the current chairman for the AWWA Committee on Corrosion (519) and was the Chairman of the NACE International Task Group T-10A-21 on Corrosion Control for Cast and Ductile Iron Pipe. These committees are preparing a new version of their state of the art reports for corrosion control and condition assessment of pipe materials used in the water industry.

RELATED PROJECT EXPERIENCE:

As an engineer, Dr. Bell has performed the following tasks.

- Developed corrosion control management programs including standard drawings and specifications for City of San Buenaventura (Ventura), City and County of San Francisco, Calleguas Municipal Water District, Las Virgenes Municipal Water District, City of Roseville, Orange County Sanitation District, and San Diego County Water Authority.
- Designed cathodic protection systems and other corrosion control facilities; prepared plans and specifications for the Southern Nevada Water Authority's Systems 170A and 135A pipelines and the Foothills and River Mountains Pumping Stations.
- Design-build experience includes corrosion engineering responsibility with Barnard Construction as the constructor for the Owens Lake Dry Lake Project which won the 2003 Honor Award from Excellence in Engineering Design.
- Tested and inspected corrosion control devices after installation to determine conformance with plans and specifications, including over-the-line surveys Southern Nevada Water Authority's the Alfred Merritt Smith Water Treatment Plant.



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Resume, Continued:

- Specified or performed soil tests, analyzed data, and made recommendations for corrosion control measures to protect underground structures in the for hundreds of miles of pipelines and hundreds of civil engineering related structures.
- Field work, analysis, and reports for corrosion studies of existing structures including over-the-line surveys on prestressed concrete cylinder pipe in the Western U.S. for clients including the City of Phoenix and the San Diego County Water Authority.
- Performed stray current interference investigations involving foreign rectifiers and transit systems in Las Vegas, Los Angeles, San Francisco, and San Diego.
- Inspected and tested various types of structures and reported on cause of corrosion failures including pump and pipeline (ductile iron, concrete, steel, and copper) failures for water utilities coast to coast.

