

SEAN QUIGLEY

SUMMARY

Accomplished in conducting basic surveys of cathodic protection systems, performing soil corrosivity surveys, conducting pipe-to-soil potential surveys and GPS surveys, as well as performing material selection for proper corrosion control of above ground, buried and marine structures. Future goals include obtaining NACE Cathodic Protection Technician certification and State of California PE registration in Metallurgy.

RELEVANT PROJECT EXPERIENCE

South Tahoe Public Utility District, CA

Assisted in conducting a pipe-to-soil survey of water and sewer transmission pipelines and related features, soil corrosivity study, water storage tank inspection, GPS survey and current requirement testing of dry well pump stations.

City of Napa, CA

Conducted a pipe-to-soil survey of water mains and domestic laterals, water main continuity testing, soil corrosivity study, physical pipe inspection, and GPS survey.

City of Fresno, CA

Conducted a soil corrosivity study along a proposed pipeline alignment.

Sonoma County Water Agency, CA

Assisted in conducting a pipe-to-soil survey of approximately 5 miles of water transmission pipeline throughout the West Sonoma County area.

City of Livermore, CA

Assisted in conducting an impressed current cathodic protection survey on a water transmission pipeline.

Materials Selection Projects:

Reviewed corrosion issues and recommended suitable materials for corrosion mitigation at a brine concentrator unit at a correctional facility in Tracy, CA. Performed materials selection for long term atmospheric corrosion control of solar panel support structures for SPG Solar.



EDUCATION

Master of Science-
Materials Engineering,
California Polytechnic State University,
San Luis Obispo

Bachelor of Science-
Materials Engineering,
California Polytechnic State University,
San Luis Obispo

CERTIFICATIONS

- ▶ Confined Space Trained Entrant
- ▶ EIT Certified

EXPERIENCE

Project Engineer
JDH Corrosion Consultants, Inc.
Concord, CA
2010 - Present

TECHNICAL SOCIETIES

National Association of Corrosion Engineers
(NACE)