

## SEAN CAREY

### SUMMARY

Over five (5) years of experience in corrosion projects including design and testing of both galvanic and impressed current cathodic protection systems. Experience in performing drawing checks, and preparing AutoCAD documents. Performed corrosion evaluation assessments, and produced corrosion evaluation and soil corrosivity reports. Conducted numerous corrosion inspections of storage tank exteriors for the chemical industry. Also experienced in conducting continuity testing and locating of underground piping, in-situ soil resistivity testing, and preparing project schedules and progress reports.

### RELEVANT PROJECT EXPERIENCE

#### **PG&E, CA**

Worked with team on corrosion survey of high-tension power line footings. Survey included in-situ soil resistivity testing using the Wenner 4-pin method and corrosion rate testing using the polarization resistance testing method.

#### **Central Contra Costa Sanitary District, Martinez, CA**

Supervised district-wide survey of cathodic protection systems including the main treatment plant, collections systems, pumping stations and force mains, and recycled water treatment facilities and transmission pipelines. Work included generation of project schedules, progress reports, directing and conducting surveys, development of and Access Database, and sub-meter locating of cathodic protection components.

#### **Hitachi, San Jose, CA**

Conducted corrosion loss inspection using ultrasonic thickness testing for Fuel Oil storage tanks throughout production facility.

#### **Romic Environmental, East Palo Alto, CA**

Conducted corrosion loss inspection using ultrasonic thickness testing for storage tanks throughout facility and reported on findings.

#### **Stanford Linear Accelerator Center (SLAC), Palo Alto, CA**

Worked with team to investigate corrosion related failure of piping penetrations and manhole access to Stanford's linear accelerator tunnel. Soil and metal sample collection, visual inspection, analysis of construction drawings.

#### **Slough, Redwood City, CA**

Corrosion investigation of reinforced concrete piles and recommended remediation for corrosion protection. Investigation included concrete sounding, collection of concrete and soil samples for chemical analysis, and remediation recommendations.



### EDUCATION

*Bachelor of Arts-*  
Architecture,  
University of California, Berkeley

### REGISTRATIONS

- ▶ Level 1 NACE Cathodic Protection Tester, 2006
- ▶ Level 2 NACE Cathodic Protection Technician, 2010
- ▶ Level 1 NACE CIP, 2010

### EXPERIENCE

*Corrosion Project Supervisor*  
**JDH Corrosion Consultants, Inc.**  
Concord, CA  
2005 - Present

*Corrosion Technician*  
**CONCECO / MATCOR Engineering, Inc.**  
Concord, CA 1998  
- 2005

### TECHNICAL SOCIETIES

National Association of Corrosion Engineers  
(NACE)