

SPEAKER



Darby Howard, Jr., P.E. will be the presenter for this seminar. He is a degreed and licensed Civil Engineer and Corrosion Engineer in California with over 30 years of engineering experience. Mr. Howard

is the President and Owner of JDH Corrosion Consultants, Inc. a Corrosion Engineering Consulting Firm located in Concord, California.

Mr. Howard specializes in assisting clients develop strategies, budgets and schedules for the implementation of long term corrosion control programs for protecting aging infrastructure.

He is also the President of CERCO Analytical, Inc., an environmental laboratory in Concord, CA that specializes in corrosivity analysis of soil and water.

CONTACT INFORMATION

This seminar can be set up at your facility or at our office in Concord, CA, whichever is most convenient for your company. Seminar lengths can vary from one hour to one full business day.

To schedule a date for this interesting and informative seminar, please contact Darby Howard at dhoward@jdhcorrosion.com



1100 Willow Pass Court
Concord, CA 94520

Phone: 925-927-6630

Fax: 925-927-6634

www.jdhcorrosion.com

Corrosion and Corrosion Control

What the
Civil
and
Environmental
Engineer
should know

FREE INFORMATIONAL SEMINAR

This seminar will discuss the theory of corrosion from an electro-chemical standpoint and provide examples of the various types of corrosion from atmospheric exposure to buried and submerged environments.

The theory of cathodic protection and how it works will be explained and examples of both galvanic and impressed current types of systems will be presented. Soils testing for corrosivity classification will also be discussed and shown how it ties into determining what steps are taken to prevent or mitigate actual or potential corrosion problems. Samples of sacrificial anode material will be brought to the seminar for demonstration along with samples of corrosion of various materials including carbon steel, ductile iron and copper.

Lots of interesting case histories of corrosion problems will be presented. This will be an entertaining and educational seminar that will demonstrate to the participants that corrosion is not just a theoretical risk, but a real threat to underground utilities and structures everywhere.

WHO WE ARE

JDH Corrosion Consultants, Inc. is an engineering company specializing in providing corrosion consulting services to clients in the fields of water and wastewater treatment and transmission, bridges, pier, piling and other off-shore marine structures, mining and minerals, aerospace, petroleum refining and distribution, electric power generation, transportation industry, municipalities and state and federal government agencies.

WHAT WE DO

- Corrosion Failure Analysis
- Material Selection Recommendations
- Cathodic Protection Designs
- Annual Inspection of Cathodic Protection Systems
- Corrosion Protection Compliance with State and Federal Regulations
- Soil, Water and Atmospheric Corrosivity Analysis
- Inspection of Tanks in Accordance with AWWA and API Standards
- Hazardous Waste Tank Inspections in Accordance with RCRA Regulations
- Pre-design Alignment and Utility Crossing Studies
- Coating Recommendations and Specification Preparation
- Expert Witness for Litigation Support
- Stray Current Evaluations

Pipe Bridge in China



Cathodic Protection of a Piling Support Structure



Severe Pitting Corrosion on Buried Copper Water Lines



Severe Corrosion of Buried Firewater Line

