

MOHAMMED ALI, P.E.

SUMMARY

Over thirty-five (35) years of experience in all phases of corrosion engineering including design engineering, research and development, construction inspection services and construction management. Has successfully worked with clients in the fields of marine, petroleum, chemical, mining and minerals, water and wastewater treatment and transmission, electric power industry, transportation systems, municipalities and state and federal government agencies. Special areas of expertise include AC mitigation & cathodic protection design, installation, monitoring, troubleshooting, surveying, adjusting and repairing for underground pipelines, pile supported structures, seawalls, retaining structures, marine vessels, storage tanks, condenser water boxes, cooling water lines, intake structures, traveling screens and water wells. Additional expertise in coating specifications and inspection and material selection and corrosion prevention design for building components for marine atmospheric exposure conditions.

PUBLICATIONS & SEMINARS

- ▶ Ali, M. & Al-Beed, A. (April 1999). Titanium Ribbon Anode Grid Type Cathodic Protection System for Above Ground Storage Tank Bottoms with Double Containment, Paper No. 289, NACE CORROSION 99, San Antonio, TX
- ▶ Ali, M., Chaudhary, Z., & Al-Muhid, T. (April 1999). Design and Operating Characteristics of Cathodic Protection Systems Associated with Large Seawater Intake Reinforced Concrete Structures in the Arabian Gulf, Paper No. 364, NACE CORROSION 99, San Antonio, TX
- ▶ Ali, M. & Al-Beed, A., (1998). Tank Bottom Corrosion Caused by Inappropriate Construction Practices, Materials Performance, Volume 37, No.9, National Association of Corrosion Engineers, Houston, Texas
- ▶ Ali, M. & Al-Ghannam, H. (1998). Cathodic Protection for Above Water Section of a Steel Reinforced Seawater Intake Structure, Materials performance, Volume 37, No. 6 National Association of Corrosion Engineer, Houston, Texas
- ▶ Ali, M., Rashwan, S. & Salad, A. (December 1994). Installation Practices, Operating Guidelines & Trouble Shooting Techniques for Large Impressed Current Cathodic Protection Systems Associated with U/G Systems, SABIC Conference
- ▶ Ali, M., Bairamov, A.K., & Salamah, K.I., (March 1998). Failure Analysis of Incinerator Equipment, Paper No. 6C1, SABIC Conference
- ▶ Ali, M. & Al-Beed, A. (April 1999). Evaluation of Seawater Piping System After 15 Years of Service, Paper No. 328 NACE CORROSION 99, San Antonio, TX
- ▶ Ali, M., Bairamov, A.K., & Omrani, K. (October 1998). Cathodic and Anodic Dissolution of Aluminum in Sea Water, EUROCORR 98, Utrecht, Netherlands
- ▶ Ali, M. & Howard, Jr, J.D. (1990). Corrosion Investigation and Cathodic Protection Feasibility of Steel H-Piles, NACE Corrosion Conference



EDUCATION

Bachelor of Science –
Electrical Engineering, Middle East Technical
University, Ankara Turkey

Graduate Work -
Dept of Electrical Engineering, Georgia Institute of
Technology, Atlanta, Georgia

REGISTRATIONS & CERTIFICATIONS

- ▶ Registered Electrical Engineer, CA and GA
- ▶ Registered Corrosion Engineer, CA
- ▶ Certified Corrosion Specialist, NACE
- ▶ Certified Cathodic Protection, Coatings and
Material Selection Specialist
- ▶ Certified NACE Instructor

EXPERIENCE

Vice President
JDH Corrosion Consultants, Inc.
Concord, CA
2005 – Present

Engineering Manager
JDH Corrosion Consultants, Inc.
Concord, CA
1999 - 2004

Manager-Materials and Corrosion Section
SABIC R&D
Jubail, Saudi Arabia
1992 - 1999

Engineering Manager and Vice President
**Corrosion Engineering & Research Company
(CERCO)**
Concord, CA
1987-1991