



SCHIFF ASSOCIATES

EDUCATION:

M.S. - Engineering Mechanics,
Cleveland State University
M.S. - Engineering Management,
University of Alaska, Anchorage
B.S. - Metallurgical Engineering,
Cleveland State University

REGISTRATIONS AND

CERTIFICATIONS:

State of Texas

Professional Engineer - #102576

State of Ohio

Professional Engineer - #PE39802

State of Alaska

Professional Mechanical Engineer -

#ME8270

NACE International

Cathodic Protection Specialist - #5743

Corrosion Specialist - #5743

Certified Coatings Inspector - #1254

PROFESSIONAL ACTIVITIES:

NACE International

Steel Structures Painting Council
(SSPC)

ASM International

American Welding Society (AWS)

ERNEST KLECHKA, JR., P.E.

Staff Engineer

Mr. Klechka is a professional engineer for Schiff Associates with 30 years of experience in metallurgical engineering, corrosion control design and implementation, and project engineering management. He is an expert in pipeline integrity management, risk management, materials selection, coating specification and application, cathodic protection design and testing, pipeline internal and external corrosion control, and welding and non-destructive inspection. Also, he has extensive experience in failure investigation and root cause analysis. He has investigated failures in coatings, materials, weld cracking, turbine blade creep and oxidation, and corrosion under insulation (CUI).

RELATED PROJECT EXPERIENCE:

As an engineer, Mr. Klechka has performed the following tasks:

- Managed programs in all aspects of corrosion control, including coatings, material specification, and cathodic protection.
- Investigated gas pipeline failure.
- Designed pipeline cathodic protection systems.
- Performed cathodic protection surveys for a variety of industries, including oil, water and waste water companies.
- Prepared specifications for coating, welding, and cathodic protection design.
- Made recommendations for internal reservoir coatings following complete inspection and analysis.
- Evaluated and designed repairs for cathodic protection systems.
- Provided corrosion engineering services for ground insulation, internal corrosion control, valve risk assessment, valve maintenance management, and pipeline integrity review.
- Acted as project leader for the development of coatings for buried pipeline repairs, and corrosion investigations of pipeline and marine terminal cathodic protection systems.
- Developed an insulated box design for burning hot oil lines in permafrost pump stations.
- Developed and instructed NACE courses including Cathodic Protection, Coatings in Conjunction with Cathodic Protection, and Pipeline Corrosion Integrity Management.
- Prepared a corrosion control manual for offshore platforms.