

NAME: MICHAEL A. WALLACE

PRESENT ASSIGNMENT: Electrical Unit, Project Design and Review Section, Engineering Division, US Army Corps of Engineers, Mobile District (CESAM-EN-DR)

DIRECTORY OF EXPERTISE (DX): Mobile District, CESAM-EN-DR, is designated as the DX for Corrosion Control and Cathodic Protection Systems. This DX consists of the following individuals: Michael A. Wallace, CESAM-EN-DR and Berry A. Cannon, CESAM-EN-DR.

TELEPHONE: VOICE; 251/694-4068 FAX; 251/694-4057

SUPERVISOR: James B. Kastner, CESAM-EN-DR, 251/690-2621

REGISTRATIONS and CERTIFICATIONS:

Professional Engineer, Alabama, No. 16007
Cathodic Protection Specialist, NACE International Certification
No. 6224

JOB TITLE, SERIES, and GRADE: Electronics Engineer, GS-855-13

EDUCATION:

Bachelor in Electrical Engineering (BEE); June 1978; Auburn University, Auburn, Alabama (graduated with High Honors, upper 5% of class)

Cathodic Protection Related Training, Conferences, and Workshops:

Cathodic Protection Design I; NACE; New Orleans, LA; 11/98
Cathodic Protection Theory and Data Interpretation; NACE; Las Vegas, NV; 02/90
Tri-Service Cathodic Protection Specifications Working Group Meeting; Tyndall Air Force Base, FL; 06/89
Materials Durability and Corrosion Control Workshop; US Army; Monterey, CA; 11/88
Cathodic Protection Conference; NACE; Panama City, FL; 11/88
NACE Basic Corrosion Course; NACE; Denver, CO; 02/88

PROFESSIONAL ORGANIZATION MEMBERSHIPS AND SPECIAL ACCOMPLISHMENTS:

Member No. 020418-00 of NACE International
Elected to the following undergraduate Honorary Scholastic Societies: PHI ETA SIGMA, 5/28/74; PHI KAPA PHI, 4/13/77; ALPHA CHI, 2/22/77; and TAU BETA PI, 3/2/78

EXPERTISE: Recognized expert in Cathodic Protection. Background consists of extensive experience in corrosion control and cathodic protection systems work. Experience includes the design, testing, inspection, and evaluation for both military and civil works cathodic protection systems.

SPECIALIZED EXPERIENCE: Cathodic protection designs (both impressed current and galvanic systems) include protection of gas, water, and fuel lines; water tanks; fuel tanks; lock miter gates; powerhouse intake gates; spillway tainter gates; and flood control sluice and flap gates. Extensive skills relating to the testing, inspection, and evaluation of COE civil works facilities, such as lock miter gates, spillway gates, and powerhouse intake gates.

RESPONSIBILITIES: Serves as NACE Certified Cathodic Protection Specialist in responsible charge of Mobile District's consulting activities and responsibilities relating to their role as the designated Corrosion Control and Cathodic Protection Systems DX. Serves as a Subject Matter Expert in Cathodic Protection for South Atlantic Division, Corps of Engineers (CESAD). Serves as Mobile District Specialist in Cathodic Protection System testing and design for both military and civil projects. Prepares cathodic protection system plans, specifications, design analyses, design memorandums, estimates, standard operating procedures (SOP's), and reports. Reviews corrosion control designs and shop submittals for compliance with pertinent laws and regulations and for design, construction, and/or contractual adequacy. Provides corrosion control training presentations and sessions. Conducts corrosion investigations and/or surveys and provides technical reports including evaluation and recommendation of corrosion control measures required to mitigate corrosion problems, such as corrosion fatigue (environmental cracking); inadequate coordination of coatings, coating application, and cathodic protection; dissimilar metals; etc. When requested by HQUSACE, assists in developing engineering regulations, specifications, and other cathodic protection technical publications and policy guidance.