

GS-0850-13 Electrical Engineer Subject Matter Expert, Savannah District Office, Savannah GA

Serves as Construction Division's Electrical Engineering expert and consultant for energy conservation, power generation, electrical systems, controls and related features for civil and military construction projects under the jurisdiction of the District. These projects involve the full variety of facilities and structures constructed by the District, including highly technical and complex medical facilities, multipurpose hydroelectric projects, large headquarter facilities, phased construction for large barracks complexes, tactical equipment shops, aircraft control towers, flight simulators, etc. Regional differences in customers, the wide variety of using agencies, and the large number of contractors and procurement methods contribute to the complexities of the work and the problems encountered. Position also requires a thorough knowledge of professional construction standards, office engineering, and Corps of Engineers criteria and policies. Incumbent must possess the ability to recognize changes resulting in new technical and schedule trends, interpret the direction and impact of the trends, and project the results.

Serves as electrical engineer technical expert on claims, trials, selection boards, etc. Provides electrical expertise support to the District and the Division as part of the Regional Quality Assurance Team.

Performs advisory, consulting and reviewing duties on problems of unusual complexity. Resolves problems encountered during the progress of the work, implements changes in policy and procedures, and reviews completed work.

1. As a Senior Quality Assurance Specialist, performs Internal Quality Audits to evaluate both the contractor's quality control systems and the effectiveness of the Government's quality assurance program. Discusses with and reviews methods, procedures, and techniques of contractor and government representatives, identifying and advising on both preventative and corrective actions. Assures that the quality of construction is in compliance with plans and specifications and that the design and construction deficiencies which may increase costs, delay construction, or impair the quality of construction are resolved. Interprets plans and specifications to determine that construction meets contract requirements, recommending action which will assure contract compliance as may relate to inspection techniques, safety, construction methods, materials, planning and scheduling, reporting, etc. Discusses and coordinates results of audits/reviews with the Administrative Contracting Officer and/or Contracting Officers Representative, other Corps of Engineer's engineers, contractors, and other government officials. Performs high level oversight of electrical quality assurance duties of critical projects and facilities within the District.
2. Performs quality oversight duties for critical projects within the District and assists with issues encountered during construction.
3. Performs biddability, constructability, operability, environmental, and sustainment (BCOES) reviews of the electrical and architectural portions of preliminary and final plans and specifications. Reviews for completeness of detail and clarity of design intent, and ensures conformance with established technical criteria and Army policy.
4. Serves as lead technical point of contact and source of expertise for Project Management, Contracting, Area/Resident Offices, Engineering Division, and customers on electrical engineering aspects of construction management.

5. Professional Registration Required