

Quality Control Engineer: Associate Principal Quality Engineer

Develops and implements testing and inspection procedures. Tests raw material, chemicals and/or finished product to quality controls to ensure compliance with quality standards and applicable government regulations. Audits testing results to determine if product specifications are met. Advises operating units on quality control standards for raw materials, chemicals, packaging materials and finished products. Recommends corrective action where necessary and develops plant quality control manuals. Work performed includes the following: Contract Reviews, Inspection/Audit Practices, Material Review Board, Customer Liaison, Support to Suppliers, Quality Program, Engineering Change Board and Process Focus Team.

Knowledge

Applies advanced technical principles, theories and concepts. Contributes to the development of new principles and concepts. Develops quality assurance systems and procedures to meet the requirements of assigned projects. Review quality estimates and prepare estimates for proposals.

Problem Solving

Works on unusually complex technical problems and provides solutions which are highly innovative and ingenious.

Discretion/Latitude

Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work checked through consultation and agreement with others rather than by formal review of superior.

Impact

Develops advanced technological ideas and guides their development into a final product. Erroneous decisions or recommendations would typically result in failure to achieve critical organizational objectives and affect the image of the organization's technological capability.

Liaison

Serves as organization spokesperson on advanced projects and/or programs. Acts as advisor to management and customers on advanced technical research studies and applications. Continual internal contacts with various groups and departments on QC matters. Continual customer contact and subcontractor, supplier and field contact on quality matters.

Work Products (Examples may include but are not limited to)

Quality System Databases & Software Applications, i.e., TIPQA and FRACAS. Microsoft Office Applications. Inspection & Measurement Equipment, i.e., Microscope. Thorough knowledge of inspector Operator Self Inspection, test, and statistical control methods.

Minimum Education and Experience

14 - 19 years with BS; preferably in Electrical Engineering. May consider Mechanical Engineering. 12 - 17 years with MS; preferably in Electrical Engineering. May consider Mechanical Engineering.