

Test 2761
Assistant Control Operator
Steam Generation Division
Power Supply Department

Categories of Job Knowledge

A. Basic Principles of Electricity and Electrical and Steam Operation

Includes AC/DC theory, wiring and circuit diagrams, electrical symbols, use of electrical test instruments, terminology, general principles of physics and water chemistry including thermal dynamics and fluid flow. The understanding of electrical transmission and the generating system operations including alternate and parallel routes, system power demand, generator output, and the total effect of changes in system operation on KVA output.

B. Inspection Criteria and Equipment Function and Terminology

Includes standards of physical equipment integrity, instrumentation for operational checks and regulations and restrictions that apply to steam plant operation and knowledge related to purpose and function of steam equipment and electrical generation equipment.

C. Emergency and Standard Operating Procedures

Procedures established for normal routine operation and emergency situations as set forth in Steam Division Orders, Station Orders, Operating Instructions, Dispatcher Bulletins, Dispatcher Instruction Bulletins, Edison Accident Prevention Manual and Fire Prevention Manual.

D. Safety and Clearance Procedures

Includes first aid, firefighting, and accident prevention programs; methods of switching and clearing equipment and operating components.