

**CLASS TITLE: MAINTENANCE TECHNICIAN
(NUCLEAR REACTOR)**

**Class Code: 02338200
Pay Grade: 17G
EO: G**

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To be responsible for the maintenance, repairs and adjustments of electrical, mechanical, hydraulic, chemical and other equipment and machinery at the Rhode Island Nuclear Science Center; and to do related work as required.

SUPERVISION RECEIVED: Works under the general direction of the Reactor Facility Engineer from whom are received general and specific instructions; work is reviewed in process and upon completion for compliance with instructions, rules, policies and regulations of the Rhode Island Atomic Energy Commission and the United States Atomic Energy Commission.

SUPERVISION EXERCISED: Supervises and reviews the work of journeymen, working under contract, and semi-skilled laborers and subordinates assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To be responsible for the maintenance, repairs and adjustments of electrical, mechanical, hydraulic, chemical, heat transfer, water treatment, hoisting and electrical generating equipment as well as pumping station machinery and air conditioners located at the reactor center.

To be responsible for all work activities concerning installation, maintenance and repair of reactor facilities equipment of visiting scientists performing experiments at the reactor center.

To assist the Reactor Facility Engineer in the management of all maintenance, repair and construction activities.

To operate, and be responsible for, equipment and tools necessary for the maintenance, repair and adjustment of machinery, equipment and systems related to the operation of a nuclear reactor.

To plan, supervise and review the work of journeymen, semi-skilled laborers and others who repair and maintain nuclear reactor equipment and machinery.

To prepare reports relative to the maintenance, repair and adjustment of equipment and machinery and to maintain cost records of such maintenance work.

To assist in the development and use of techniques for operation on radioactive materials which result in minimum radiation exposure and minimum hazard to the center, its personnel and the public.

To read and interpret blueprints.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the standards, practices, materials, tools, processes and machinery used in the maintenance, repair and adjustment of equipment and machinery employed in the operation of a nuclear science center and the ability to operate such tools and machinery; the ability to assist in the management of maintenance, repair and construction activities; the ability to assist in the development and use of techniques for operation on radioactive materials resulting in minimum radiation exposure; the ability to write clear, concise and accurate reports and to maintain records relative to the maintenance of equipment and machinery; the ability to read and interpret blueprints; the ability to plan, supervise and review the work of subordinates; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a senior high school; and

Experience: Such as may have been gained through: experience in a responsible position involving the maintenance and repair of electrical, mechanical and chemical equipment and machinery or such as may have been gained through experience as a maintenance technician at a reactor center, or a chemical processing plant, or a naval or stationary power plant.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENT: At the time of appointment must be physically qualified to perform assigned duties as evidenced by a physician's certificate.

Class Revised: April 27, 1986

Editorial Review: 3/15/03