

OPERATOR/MECHANIC/SYSTEM CONTROLLER

FUNCTION: Power Plant

DESCRIPTION OF WORK:

Under general supervision, performs a variety of skilled work in the operation of and mechanical repair to diesel powered generating plant and power equipment; carries out a preventive maintenance program.

EXAMPLES OF WORK:

Essential Functions

Performs the operation of the diesel driven electrical generating plant; starts and stops engines and generators; observes and controls tread meters and control board; observes instruments and meters to see that production and voltages are maintained and functioning properly; records readings in plant log; keeps watch on ties from other sources of power; changes charts and recording meters; performs a variety of skilled mechanical repairs to plant and power equipment, pumps, and substations; overhauls engines, generators, and auxiliary equipment; under close tolerances, installs bearings and brushes; repairs electrical wiring, repacks bearings; repairs hydraulic systems and overhauls pumps and valves; fabricates special equipment and attachments to equipment involving acetylene and electrical welding; plans and carries out a preventive maintenance program on equipment; paints plant equipment; does general maintenance and repair work to equipment; supervises helpers; maintains records of work performed on equipment; maintains grounds surrounding plant; overhauls cooling systems and centrifugal pumps; performs related duties as required.

Non-essential functions

None listed.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Broad knowledge of the principles, practices, and methods used in the operation of a diesel powered electrical generating plant; knowledge of: the tools, equipment, and procedures used in the overhaul, repair, and adjustment of power equipment; the principles of the operation of engines; skill in: fabricating methods using lathe and welding devices; ability to: perform a variety of mechanical and electrical repairs to perform acetylene and electrical welding; diagnose motor and mechanical troubles; supervise the work of others; communicate effectively with co-workers, the public and supervisors. **A CDL license may be required.**

TRAINING AND EXPERIENCE:

Any combination of training and experience that will provide the incumbent with required knowledge, skills and abilities to perform the assigned work. **Must be smoke school certified with 1 year. Other certifications may be required as necessary.**

WORKING CONDITIONS:

This position works in an enclosed building environment; some danger of explosion is present in some of the tasks to be performed. The normal work week is 40 hours; however, the position is subject to emergency response in the event of a power failure.