

ENVIRONMENTAL SYSTEMS TECHNICIAN

DEFINITION

Under supervision, operates and maintains automatic high and low pressure steam heating systems; operates air conditioning equipment and related mechanical support systems; assists in repairs to boilers and auxiliary equipment; does related work as required; operates and controls environmental systems using Honeywell Delta 1000 and Delta 5000 technology, to include all district facilities.

TYPICAL DUTIES

Incumbents work at the central heating installation; operate and maintain boiler equipment; may be assigned to perform maintenance and repair duties at other district locations; operate and control all Building Management Systems through the function of the Honeywell Delta 1000 and Delta 5000; operate boilers and maintain proper steam pressure and water levels; clean, oil, adjust and repair boiler room equipment; maintain equipment in safe working order, making tests of safety equipment and boiler water; repair and condition boilers for annual inspection; remotely operate air condition equipment; make repairs to air supply and temperature control systems within the confines of boiler room; help repair air compressor, fans and other mechanical equipment at any district location during summer boiler shutdown; overhaul condensers and pumps; keep boiler room orderly and clean; keep daily log on boiler operation and water treatment; monitor automatic control panel for other campuses; perform maintenance duties as assigned during regular working hours and during periods of reduced boiler operation. Provide input on system improvements by developing the ability to fine tune system data files. Maintain intrusion alarms, fire alarm system, and receive and forward emergency and trouble calls.

QUALIFICATIONS

EXPERIENCE

Two years of experience in the operation and repair of high and low pressure boiler systems. Experience in operation of an energy monitoring system is desirable.

EDUCATION

Completion of two-year program in mechanical-electrical technology at the community college level may be substituted for one year of the required experience.

SPECIAL REQUIREMENTS

Possess and maintain a valid California Driver's License in compliance with Los Rios Board Regulation R-8343; employment is contingent upon meeting the requirements of Los Rios Board Regulation R-8343. This position may require operating a District or personal vehicle in order to complete assigned work within the scope of the position duties. Any offer of employment is contingent upon the successful completion of a medical evaluation.

KNOWLEDGE OF

Operation, use and function of the Honeywell Delta 1000 and Delta 5000 building and energy management system, to include keyboard, CRT and wide carriage printer, fire and security alarm data and functions; methods, practices, materials and equipment used in the operation and repair of high pressure steam boilers, condensers and pumps; safe work practices and procedures; applicable state and local codes, ordinance and regulations.

ABILITY TO (ESSENTIAL FUNCTIONS)

Perform the basic functions of the position; operate and repair equipment located in the boiler room; light, adjust, maintain and shut down high pressure boilers; identify malfunctioning machines; distinguish between colors to determine color code for control wiring; keep daily logs and make reports; inspect boilers and related equipment, recognizing when operating difficulties should be reported to supervisor; read, write and communicate orally, at a level necessary for efficient job performance; ability to work effectively with others; operate a computer system, to include keyboard, CRT and printer; evaluate occupant comfort needs and translate into building management system operation parameters; ensure troublefree building operations through knowledge of system alarm and resolution features; adapt to frequently changing work hours and working beyond normally scheduled hours.

Physical and Environmental Factors: May perform hard labor in high and low temperatures; frequently subjected to changes of 20-40 degrees; possible exposure to sun; work on stable surfaces up to 15 feet above ground; work in confined or cramped spaces 1/3 to 2/3 of the time; work in high humidity; work around wetness and on slippery surfaces more than 10% of the time; occasional contact with oil or grease; work in or around areas with major amounts of dust present; potentially exposed to silica dust; regularly work around or with hazardous materials (may include chemicals, degreasing cleaners, high pressure steam, etc.); lift heavy objects with and without assistance (objects are sometimes elevated from floor level to above the shoulders); pull, reach, stand, maneuver in performing daily duties.