



SAN MIGUEL ELECTRIC COOPERATIVE INCORPORATED

INSPECTION TECHNICIAN

SUMMARY

The main purposes of this position are to monitor and test electric plant components to identify equipment vibration problems and hot connections, and perform other duties as required.

ESSENTIAL FUNCTIONS

Collects, records and analyzes vibration data on equipment/machinery plant-wide.

Conducts dye penetrant, ultrasonic and magnetic particle tests on turbine and boiler feed pump components to identify metal failure and defects.

Performs ultrasonic testing on pipelines, tanks, boiler tubes and burners to gather metal thickness readings.

Conducts visual inspections of plant ducts, burners, boiler tubes, and other equipment to identify cracks, erosion damage and other defects.

Performs thermal testing of equipment to locate hot spots.

Performs dynamic balancing of fans, pumps, and motors.

Calibrates test equipment to standard settings.

Specifies and purchases test equipment, computers and software as needed.

Communicates with parts manufacturers to ensure parts are repaired as necessary.

Prepares and presents reports on equipment test results.

Supervises Inspector.

Performs other duties, tasks and special projects as assigned.

REQUIRED EDUCATION/EXPERIENCE

High School Diploma or equivalent, plus two years of equipment/machinery experience with vibration analysis infrared and NDT inspection experience.

WORKING CONDITIONS

General office and sedentary, requiring extended periods of time at a keyboard or workstation. Ability to exert a moderate degree of physical effort including balancing, standing, walking and the assisted lifting of objects and materials up to 50 pounds. Ability to work in confined spaces and high areas with electrical hazards. Ability to work in confined spaces including, but not limited to: generators, transformers, breakers, tanks, wire vaults, scrubber modules, boiler, precipitator, vessels, etc. Ability to work in areas of excessive height including, but not limited to 400-foot stack, 100-foot ball field lights, support structure beams, switchyard structures, manlifts, scrubber module structures, boiler structures, precipitator structures, vessel structures, etc. and to climb into those locations with the necessary tools and safety equipment. Ability to perceive and discriminate sounds and depths. Exposure to adverse environmental conditions, such as dirt, dust, odors, humidity, temperature and noise extremes, wetness and vibrations. Specific vision abilities include close vision and distance vision with varied lighting. Use of personal computing equipment, telephone, multi-functioning printer and calculator. Manual dexterity, ability to reach, bend, and use 2-step stool while safely lifting and lowering boxes. Ability to travel to and from meetings, training sessions or other business-related events. May be required to work after hours to include weekends and holidays.

San Miguel Electric Cooperative is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, San Miguel Electric Cooperative will provide reasonable accommodations to qualified individuals with disabilities, and encourages both prospective and current employees to discuss potential accommodations with the Human Resources Department.

USDA is an equal opportunity provider, employer, and lender.