

TRI-DAM PROJECT

of the South San Joaquin & Oakdale Irrigation Districts

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POSITION ANNOUNCEMENT

Posting Date: March 29, 2019
Position Title: Technician Journeyman
Department: Maintenance
Pay Range: \$51.49
Closing Date: Open until filled

To apply: Please submit a cover letter, resume and a completed Tri-Dam application (located on our website) to gmodrell@tridamproject.com, P.O. Box 1158, Pinecrest, CA 95364 or (*hand delivery only*) 31885 Old Strawberry Rd., Strawberry, CA 95375. If submitted electronically must be submitted in PDF format.

SUMMARY: Under general supervision; install, test, maintain, and troubleshoot a wide variety of electronic, electrical, electro-mechanical equipment and all maintenance and repair work on generation, water, and irrigation systems associated the Tri-Dam Project.

DISTINGUISHING CHARACTERISTICS: This is a journey level classification. The incumbent in this classification will need experience with SCADA systems, microwave communications, programmable logic controllers (PLC), remote terminals units (RTU), telephone systems, computers and computer networking. The incumbent will be responsible for installing, testing, and maintaining the above listed equipment. The incumbent also assists in the installation and maintenance of all types of major overhauls of mechanical and electrical equipment in hydroelectric plants, dams, and related facilities. An incumbent in this classification will be called after hours for emergency repair work.

REPORTS TO: Maintenance Supervisor

CLASSIFICATIONS DIRECTLY SUPERVISED: Will provide some direction to apprentice and temporary work staff.

EXAMPLES OF DUTIES:

- Installs, tests, calibrates, repairs and maintains a variety of electronic equipment.
- Maintains microwave systems and SCADA system which allows Tri-Dam's operation center to control and monitor remote equipment.
- Develops programs from SCADA, PLC's and other electronic devices that need programming or program changes.
- Works with outside vendors when needed to update or repair existing electronic equipment.
- Drafts blueprints, diagrams, and updates existing prints to reflect drawing modifications or "as built" conditions.
- Purchases parts and equipment to perform repairs and upgrades.

- Responds to emergency callouts.
- Maintains reports, files and records.
- May provide training or support to new staff

DESIRABLE QUALIFICATIONS:

Knowledge of:

- Siemens SCADA systems and related communication protocols such as Modbus, DNP, ICCP, and Telegear 6500. Microwave communications such as T1, Ethernet, Vlans and Channel banks.
- Methods, materials, tools, and equipment used in radio communication. Installation, repair and maintenance of two-way and microwave communication equipment.
- Installation, repair, maintenance and calibration of RTU's.
- Measuring, monitoring, and calibration of devices used in monitoring lake elevation, water temperature and water flow.
- Safe work practices and Federal and State safety regulations.

Ability to:

- Install, troubleshoot, repair, and maintain communications components and systems.
- Skillfully perform electrical and electronic installation, troubleshooting, repair and maintenance.
- Read and interpret technical repair manuals, blueprints, and schematic diagrams.
- Design modifications to communications and other electronic systems and equipment.
- Draft blueprints and diagrams.
- Skillfully use a variety of hand and power tools.
- Prepare clear, concise records and reports.
- Establish and maintain cooperative working relationships.
- Work under stress and in emergencies.

Training and Experience: Any combination of training and experience, which would likely provide the required knowledge and abilities, is qualifying. A typical way to obtain the required knowledge and abilities would be:

Three (3) years of journey-level electrical or industrial electronic experience which included installation, calibration, maintenance, troubleshooting, repair and modification on electronic systems SCADA systems, microwave systems, PLC's, RTU's, and telephone systems. Completion of a recognized two-year program in electronics is highly desirable.

TYPICAL PHYSICAL REQUIREMENTS: Frequently stand and walk or crouch on narrow, slippery, and erratically moving surfaces; stoop, kneel, bend to pick up or move objects; physical ability to lift and carry objects weighing up to 50 pounds; normal manual dexterity and eye-hand coordination; corrected hearing and vision to normal range; verbal communication.

TYPICAL WORKING CONDITIONS: Work is performed both in shop and outdoor environments; exposure to varying temperatures; exposure to smoke, gasses, dust, and chemicals; working around high voltage electrical current, and moving machinery parts; limited contact with staff and the public.

SPECIAL REQUIREMENT: Possession of an appropriate valid and current California Driver's license required to meet the performance requirements of the position.

This position requires that the employee's primary residency be established within 60 miles of the Project's Strawberry office within 1 year of completion of the probationary period of this position.

**TRI-DAM PROJECT IS AN EQUAL OPPORTUNITY EMPLOYER.
DRUG TEST REQUIRED.**