

# TRI-DAM PROJECT

of the South San Joaquin & Oakdale Irrigation Districts

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## POSITION ANNOUNCEMENT

**Posting Date:** July 29, 2020  
**Position Title:** Power Plant Operator  
**Department:** Operations  
**Pay Range:** \$40.55 - \$53.35  
**Closing Date:** Open until filled

**To apply:** Please submit a resume and a completed Tri-Dam application (located on our website) to [gmodrell@tridamproject.com](mailto: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; to be responsible for the operation of one or more hydro-electric power plants and other related equipment; to control generating equipment; to perform and direct switching activities; to perform routine testing of automatic control equipment; to assist in maintenance and repair work on water and/or irrigation systems, pumps, and associated equipment located in Tri-Dam Power Plant plants, dams and related facilities; and to do related work as required.

**DISTINGUISHING CHARACTERISTICS:** This is a journey level classification. The incumbents in this classification monitor the operation of the hydro-electric plants, water and/or irrigation systems following an established Project procedures and reports on the conditions of hydro plants and waterways at a variety of locations. An incumbent in this classification works an assigned shift (days, swing and graveyard) to provide 24 hour/7 day per week coverage. This position is non-exempt.

**REPORTS TO:** Hydro-Operations Supervisor

**CLASSIFICATIONS DIRECTLY SUPERVISED:** May provide some direction for temporary work staff.

### EXAMPLES OF DUTIES:

- Monitors the data acquisition points using the computer to identify abnormal conditions for all project locations.
- Records hourly water data for all project locations.
- Records hydro-electrical generating for the power plants.
- Logs daily activities for all project facilities and staff.
- Schedules and maintains required hydro-electrical generating plant operating levels, reservoirs levels, river flow, and irrigation system flows.
- Prepares daily and monthly water reports, and project activities.
- Operates all powerhouse local and remote equipment including hydro-electric generating units, irrigation equipment, and all associated equipment using computer, and radio systems.
- May adjust relay and regulator settings.
- Monitors and controls forebay and afterbay levels and all water releases.
- Writes switching code orders and maintains operating diagrams.
- Performs switching and issues clearance for staff to safely work on equipment.
- Receives and dispatches calls by telephone and radio.

- Responds to emergency and abnormal conditions and dispatches operations and maintenance staff.
- Maintains SCADA system parameters, calibrate readings and makes adjustments to alarm points as necessary.
- Uses computer software packages to maintain and retrieve data.
- May provide orientation to new staff.
- Cleans building and grounds.

**TYPICAL PHYSICAL REQUIREMENTS:** Frequently sit for long periods of time; 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; use of office equipment such as computer terminals, copiers, and FAX.

**TYPICAL WORKING CONDITIONS:** Work is performed in an office environment; working around electrical current; continual contact with staff and the public. Administrative offices are located above the snow line, which requires ability to get to work in snowy conditions.

**DESIRABLE QUALIFICATIONS:**

Knowledge of:

- Operating parameters and basic servicing of generators, turbines, high voltage breakers, transformers, compressors, valves and pumps.
- Penstock, water gates, canals, weirs, and other water control features of hydro plants.
- Calculations used in determining water flow, capacity, and total electric generations.
- Principles and practices of hydro-electric plant operations.
- Safe work practices and Federal and State safety regulations.

Ability to:

- Assess plant and component operations and condition making recommendations for limitations on operations.
- Synchronize, start and shut down hydro generating plants.
- Calculate water flow, capacity, generation, and related values.
- Read and interpret gauges, dials, and annunciators.
- Prepare, clear, concise and accurate records of reports.
- Establish and maintain cooperative working relationships.
- Follow written and oral instructions.
- Work under stress and in emergency situations.

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:

Two (2) years of responsible experience in the operating and servicing of computer monitoring activities or in an apprenticeship program. Experience in hydro-electric plants is desirable.

**Special Requirement:** Possession of an appropriate valid and current California Driver's license required to meet the performance requirements.

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