



ROSS VALLEY SANITARY DISTRICT
2960 Kerner Blvd
San Rafael, CA 94901
(415) 259-2949 ~ rvsd.org

JOB DESCRIPTION

TITLE	SALARY	DATE	REVISION
SCADA Technician/Industrial Electrician	Range 25 : \$6,421 -\$8,196/month (FY11-12)	July 1, 2011	2.2
NOTES	This position was created and approved on September 18, 2009.		

INTRODUCTION

The Ross Valley Sanitary District is located in beautiful and culturally rich Marin County, halfway between San Francisco and California's famous wine country. Founded in 1899, RVSD is one of the oldest sanitary districts in Marin County. It provides wastewater collection for the 55,000 residents of the Ross Valley towns and communities of: Fairfax, San Anselmo, Ross, City of Larkspur (including Bon Air), and the unincorporated areas known as Sleepy Hollow, Kentfield, Kent Woodlands, Oak Manor, Greenbrae, Murray Park, San Quentin Village, and California State Prison at San Quentin.

RVSD is recruiting for a highly-motivated individual who will, under general supervision in the Maintenance Department, maintain and repair pneumatic, chemical, electrical and electronic components, analog and digital networks and systems, analysis equipment, PLC systems, computer control equipment including computers and computer peripherals, and telemetry equipment used in process instrumentation and control systems. This position will be filled with a skilled journeyman electrician with industrial electrical and control experience providing preventive, predictive and corrective electrical maintenance, installations, repair of circuits, motors, controls and equipment used in waste water collection system. The technician will typically spend a large portion of time working on electrical field assignments and performing high voltage work over 12 kv, as well as personal computer maintenance and troubleshooting/repair.

ESSENTIAL KNOWLEDGE, DUTIES AND RESPONSIBILITIES

Under general supervision from the Maintenance Superintendent:

- Knowledge of standard terms, practices, procedures, and modern methods common to the electrical trade as practiced in utility plant processes involving high voltage equipment and electronic controls.
- Knowledge in the National Electrical Code and the industry standard electrical safety requirements specified by the National Fire Protection Association.
- Inspect, maintain, repair, install, and test a variety of electrical systems associated with medium to high voltage, utility plant operations such as electrical circuits, transformers, switches, lighting fixtures, motor starters, electro-magnetic relays, voltage regulators, motors, generators, cathodic protection systems, and communication networks.
- Perform troubleshooting and diagnostic work on a variety of electric and solid state electronic based equipment such as variable frequency and variable speed drives, protective relays and automatic transfer switches.
- Perform troubleshooting, maintenance, and installations of programmable logic controllers (PLC's) including uploading programs and changing set points.
- Install above ground and below ground conduit and pulls wire for motors, control panels, lighting fixtures, outlets, and other purposes.
- Make as-built and shop drawings of electrical installations.
- Ensure that proper safety precautions are observed, with particular emphasis on work performed on energized equipment.
- Perform phase balancing operations and make load computations on a preventive and corrective maintenance and capital project work.
- May operate, inspect, maintain, repair, install, and test diesel, or other power generating and related equipment such as stationary and mobile emergency generators.
- Skill in planning, laying out, and executing journey level electrical work in a safe manner, reading and interpreting wiring diagrams and specifications.
- Other duties as necessary and/or directed.

Special Abilities:

- Communicate effectively, both orally and in writing, with those contacted in the course of work, including but not limited to the ability to use tact/diplomacy and establish/maintain cooperative working relationships.
- Understand and accurately carry out written and oral instructions.
- Take coaching, instruction and feedback with a cooperative and positive attitude
- Work in a changing and occasionally extreme field environment, and standard office environment.

EDUCATION/EXPERIENCE REQUIREMENTS

Equivalent to the completion of twelfth grade,

AND

Attainment of recognized journey level status as an Electrician in general electrical installation and repair work (which generally requires completion of a recognized apprenticeship)

OR

a minimum of 5 years of journey level industrial electrical experience, experience in a related field, or equivalent.

CERTIFICATES, LICENSES, REGISTRATIONS

CWEA electrical/Instrumentation grade III certification within two years.

California 'C-10' electrical contractor license preferred.

Must possess a valid California Class C driver's license at the time of application and maintain a valid license throughout employment. Must attain entry pass into San Quentin State Prison.

PHYSICAL AND LEADERSHIP REQUIREMENTS

- Sitting, Standing, Walking
- Kneel, Crouch, Squat, Stoop, Reach, Crawl, Twist, Climb
- Lifting up to 50 pounds
- Be able to distinguish color
- Be exposed to cold, heat, extreme noise, outdoors, confining work space, electrical hazards, vibration, chemicals, dust, sewage, mechanical hazards, pollens and explosive materials
- Both large and fine hand movements
- Basic supervisory and communication techniques
- Operate passenger vehicles occasionally
- Be able to work in an office/field environment and maintain professional relationships
- Be proficient with time management and task allocation limits
- Other requirements as necessary or directed