

JOB DESCRIPTION

TITLE: IRRIGATION WATER TECHNICIAN

DATE: July, 2021

DEPARTMENT: Facilities & Maintenance

SRN: A- 31

SECTION: Zanjero

REPORTING RELATIONSHIP:

Reports to: Zanjero Crew Chief

Supervises the following positions: Assist Zanjero Crew Chief with Crop Reporter/Service Aide and Zanjero Trainees through Zanjero II's

DEFINITION: Under general supervision will assist with scheduling and coordinating of projects with the Control Operators, Zanjeros and Canal Repair Crews related to the Canal and Irrigation Distribution System. This position will serve as an agricultural liaison to both internal and external customers. This position will also assist the Zanjero Crew Chief with special projects, as well as data compilation, reporting, and performing Zanjero Run Duties as required.

DISTINGUISHING CHARACTERISTICS: Will perform a variety of skilled duties and responsibilities involved with agricultural irrigation. Requires sound judgment and independent problem solving abilities to analyze data as well as system trends. Requires knowledge of Irrigation Distribution System, SCADA, GIS, SunGard and Microsoft office programs. This position may be scheduled to work evenings from 2:00 PM to 10:00 PM, weekends, holidays, standby, overtime and rotating schedules as necessary.

ESSENTIAL FUNCTIONS:

1. Regularly monitors, analyzes, and confirms irrigation gate positions, gate operation, and water levels monitored by the SCADA system to ensure accuracy.
2. Assists in the coordination and communications between the Supervisory Control, Zanjeros, Technicians, Electricians, and Canal and Distribution Repair Crews to provide uninterrupted service to the District's customers.
3. Monitors and analyzes the irrigation canal and distribution system to ensure that District personnel and customers practice water conservation measures in the delivery and use of irrigation water.
4. Regularly monitors for tail water, documents incidents of water waste, and drafts letters to communicate incidents internally and externally.
5. Evaluates the performance of the of the SCADA system and make recommendations for improvements to provide operational optimization.

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6. Assists with the movement of irrigation water through the Canal system in accordance with Standard Operating Procedures.
7. Receives and record orders for irrigation water deliveries for agricultural and golf course customers.
8. Assists with the training of the Zanjeros and help to optimize the performance of their r essential functions while providing excellent customer service. .
9. Communicates effectively with others both verbally and in writing. Deals tactfully with the public and work cooperatively with all internal and external customers.
10. Performs daily billing / corrections and monitoring of meter reads for inaccuracies to ensure accurate billing of irrigation water delivered
11. Works cooperatively with Control Operators to place or assist with the placement of canal water orders though the Imperial Irrigation District (IID).
12. Performs all Zanjero runs and irrigation lateral regulatory duties as required.
13. Sets valves, checks meters, and measures water flow, and makes necessary adjustments to correct for surges, excess water, and low water levels. Also, confers with Supervisory Control to ensure canal flows are set correctly and regulatory controls are being monitored.
14. Meets with farmers and irrigators to professionally discuss issues related to water deliveries. May make immediate adjustments to resolve issues or refer the problem to Zanjero Crew Chief.
15. Performs relief work for all Zanjero runs as needed.

MINIMUM QUALIFICATIONS:

License or Certificates: Valid California Operators license issued by the State Department of Motor Vehicles is required. Department of Motor Vehicles driving record may influence employment or classification. Possession of D-2 from the State of California Department of Health Services and Water Efficiency I certificates are highly desired. Proficient in Microsoft Office, SunGard, Executime , and GIS systems.

Education: High School diploma or equivalent.

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Experience: Any combination of experience which would likely provide the required knowledge and abilities is qualifying. A typical way to obtain this knowledge and abilities would be to have three years of increasing responsibility within the Zanjero Division. Knowledge of activities related to the operation, maintenance and construction of the Coachella Canal, the irrigation distribution system, and its related appurtenances is highly desirable.

- Knowledge of:
- Basic mathematics
 - Principles of hydrography
 - Principles of Microsoft Office
 - Effective customer service
 - Effective telephone skills
 - Effective communication skills
 - Operation of two-way radio system
 - Computer work stations and consoles
 - Correct English usage, spelling, and grammar
 - Local street names, locations, and geography
 - District policies, procedures, and regulations
 - Principles of operation of the irrigation system

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- Abilities:
- Practices work habits that demonstrate good performance of the following: productivity, organization, common sense, safety awareness, quality of work, care of tools and equipment
 - Maintain effective working relationships
 - Exercise independent judgment and initiative
 - Communicate effectively with others
 - Follow and comprehend written and oral instructions

PHYSICAL REQUIREMENTS:

1. May be required to drive in excess of 100 miles daily. .
2. Sit for prolonged periods of time operating a computer workstation.
3. Kneeling, stooping (filing), carry boxes under 10 pounds.
4. Opens and closes gate valves, surge gates, and canal gates by pulling, turning, or twisting with a torque in excess of 250 pounds
5. Responds to emergencies during after-hours, weekends, and or holidays. May have rotating schedules and have to work overtime when required

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6. Operates electrical equipment
7. Works in extreme weather conditions
8. May be subject to chemicals, dust, vapors, fumes, exhaust, insects, snakes, dogs and other types of farm animals
9. Works on uneven ground surfaces
10. Has to climb different types of ladders
11. May have to lift upwards of 50 pounds
12. Communicates on a two way radio
13. Works in confined spaces
14. Operates Mobil Data Terminals, desktop computer and associated equipment
- 15.

See Human Resources for physical assessment form.