Coachella Valley Water District

**TITLE:** ZANJERO II  
**SECTION:** ZANJERO  
**DEPARTMENT:** SERVICE  
**SRN:** A - 24

**Reports to:** Zanjero Supervisor

**Supervises the following positions:** Not applicable

**DEFINITION:**

Under general direction, to deliver irrigation water to agricultural customers; to maintain water delivery records; perform valve and meter maintenance; and to do related work as required.

**ESSENTIAL FUNCTIONS:**

1. Will run all day & evening Zanjero runs with very few call backs and lateral regulatory.

2. Receives and records irrigation water delivery orders for agricultural customers.

3. Make water deliveries by turning on and off water from the main canal to lateral and sub lateral pipelines.

4. Must be able to open and close gate valves, surge gates and canal gates by pulling, turning, or twisting with a torque in excess of 250 FT. pounds.

5. Sets valves, checks meters, and measures water flow, making necessary adjustments to correct for surges, excess water, and low water levels.

6. Notes equipment malfunctions on the delivery system, making immediate repairs where necessary or reporting the malfunction so repairs can be made by day shift.

7. Meets with farmers and irrigators to discuss water delivery problems and complaints.

8. May make immediate adjustments to resolve complaints or refer the problem to Zanjero Supervisor.

9. Records and updates delivery records with a Mobil Data Terminal on a daily basis; of meters and users within a delivery area.

10. Responds to emergency request for water during and after hours, weekends, and holidays as well as be subject to extended tour of duty and overtime.

11. Monitors distribution system to ensure that water users practice conservation in use of water. Report tail water to Zanjero Supervisor.
ESSENTIAL FUNCTIONS Cont’d:

12. Work in areas containing chemicals, dust, vapors, fumes, exhaust, insects, snakes, dogs and other kinds of farm animals.

13. Climb a variety of ladders at irrigation sites that may exceed 50 feet above ground and lift and carry 50 pounds up the ladder.

14. Work and traverses uneven ground carrying heavy equipment in excess 50 pounds.

15. Work outside in unfavorable weather conditions and during hours of darkness.

16. Drive a light district vehicle in performance of duties in excess of 100 miles per day or night.

17. Communicates in English with water service and supervisory control by two way radio.

18. Operates electrical equipment.

19. Help in the training of Zanjero trainees and the training of Zanjeros on different runs.

20. Recheck questionable meter reading, problem deliveries and monitor regulatory and adjust as necessary.

21. Assist Supervisory control in checking suspected bad canal and tattle tail levels.

22. Honor and prioritize scheduled and unscheduled water request received in an irregular manner of order.

23. Take care of after hour trouble calls for all runs and responsible for the area.

24. Meets and confer with other Zanjeros to discuss any problems or issues.

25. Do an end of shift report for day shift and Zanjero supervisor.

26. Does other duties as required which may include filling in for Senior Zanjero.

SPECIAL REQUIREMENTS:

Possession of an appropriate California operator's license issued by the State Department of Motor Vehicles. Department of Motor Vehicles driving record may influence employment or classification.
SPECIAL REQUIREMENTS Cont’d:

Able to communicate in English, both written and orally as per employee handbook 5.9, and use a two way radio.

Must be willing to work nights, weekends, holidays, and work alone, in all kinds of climatic conditions and be available for overtime and changing days off due to rotating schedule.

ADDITIONAL QUALIFICATIONS:

Must pass field test as given and monitored by Crew Chief Zanjero which includes trouble shooting deliveries and problem solving techniques. It is also desirable to have a State of California Distribution or Treatment operator’s certificate.

Knowledge of:

- Basic principles of hydrography related to irrigation water distribution, canal systems, and lateral systems
- Local agricultural crop characteristics, weather conditions, and water needs
- Principles of computerized control systems
- Principles of operation of the irrigation system
- Tool and equipment used in meter and valve adjustments and repair
- Geography of the local area
- Safe work practices, District policies, procedures, and regulations
- Analyze operational problems and make recommendations for corrections
- Perform mathematical computations
- Deliver proper amounts of agricultural water on a timely basis
- Read meters, make adjustments, and perform routine meter and valve maintenance
- Maintain accurate records
- Tactfully deal with the public
- Work cooperatively with others
- Perform heavy manual labor, exposed to unfavorable weather conditions

Training and Experience:

Has at least 2 ½ years of experience as a Zanjero I. Any combination of training and 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 working experience in a capacity that would produce familiarity with irrigation delivery systems, crop characteristics, and valve and meter repair.
Physical Requirements:

- Opens and closes gate valves, surge gates, and canal gates by pulling, turning, or twisting with a torque in excess of 250 pounds
- Responds to emergencies during after-hours, weekends, and holidays. May have rotating schedules and have to work overtime when required
- Operates electrical equipment
- Works in extreme weather conditions
- May be subject to chemicals, dust, vapors, fumes, exhaust, insects, snakes, dogs and other types of farm animals
- Works on uneven ground surfaces
- Has to climb different types of ladders
- May have to lift upwards of 50 pounds
- Drives in excess of 100 miles per day on a regular basis
- Communicates on a two way radio
- Works in confined spaces
- Operates Mobil Data Terminals and associated equipment

See Human Resources for physical assessment form.