JOB DESCRIPTION

Coachella Valley Water District

TITLE: ZANJERO III (Sr. Zanjero)  
SECTION: ZANJERO

DEPARTMENT: SERVICE  
SRN: S-5

Date: July 2010

Reports to: Zanjero Supervisor

Supervises the following positions: Not applicable

Definition:
Under general direction, to assist Zanjeros in the delivery of irrigation water to agricultural customers, maintain water delivery records, and crop census. Performs more advanced Zanjero duties such as Line marks, communications with farmers, contractors, and developers, and assists where needed with regards to water ordering, delivery and conservation.

Essential Functions:

1. Performs all Zanjero runs and lateral regulatory duties.
3. Works alone to make water deliveries by turning on and off water from the main canal to lateral and sub-lateral pipelines on a timely basis.
4. Sets valves, checks meters, and measures water flow, making necessary adjustments to correct for surges, excess water, and low water levels. Also confers with Supervisory Control to see if canal flows are set correctly and regulatory controls are being monitored.
5. Notes equipment malfunctions on the delivery system, making immediate repairs where necessary or insuring that repairs are completed by other district personnel.
6. Tactfully and courteously meet with farmers and irrigators to discuss water delivery problems and complaints. May make immediate adjustments to resolve complaints or refer the problem to his supervisor.
7. Accurately checks and updates delivery records on computer on a daily basis for meters and water users within a delivery area.
8. Sends out re-checks for reads through Mobil Data Terminals.
9. Takes a periodic crop census and maintains up to date information to anticipate future water delivery needs.
10. Assists in the training of Zanjeros on each of the runs.
11. May substitute for the Crew Chief in his absence, and perform all ordering and down loading procedures.

12. Performs relief work on all Zanjero runs.

13. Directs in the regulatory reduction on at least ½ of the Zanjero runs.

14. Performs investigative work for claims on incident occurrences. Monitors and analyzes the irrigation canal and distribution system Through SCADA and field investigations to ensure that district personnel and the district’s customers practice rigorous water conservation measures in the delivery and use of water.

15. Regularly monitors for tail water, documents incidents of water waste, and drafts letters to send to confirmed offenders.

16. Assists with Mark & Locates on Irrigation lines, drains, and structures for construction and development purposes.

**Minimum Qualifications:** Possession of a California operator’s license issued by the State Department of Motor Vehicles. (Department of Motor Vehicles driving record may influence employment or job classification.) *It is desirable to possess a Department of Health Services Distribution or Treatment Certificate.*

**Knowledge of:**
- Basic principles of hydrography related to irrigation water distribution, canal systems, and lateral systems
- Knowledge of local agricultural crop characteristics, weather conditions, and water needs
- Principles of computerized control systems and SCADA
- Principles of operation of the irrigation system, tool and equipment usage, knowledge of area maps, plats and geographical locations
- Safety procedures district policies, practices and regulations
- Principles of supervision and training. Five years experience as a Zanjero II

**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 or 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
Physical Requirements Cont’d:

- 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.