

TRUCKEE-CARSON IRRIGATION DISTRICT

Job Description

Job Title: Ditchrider
Salary Level: Grade 3, 4, 5 on District Wage Scale

Summary

This employee controls water flow within an assigned geographic area and manages the water within safe operating conditions. This employee's primary duty requires the exercise of discretion and independent judgment using special skills in math, science and water hydraulics. This employee is a representative of the District and is required to conduct themselves in a professional manner when working with water users. Required to report to the District Watermaster with opinions and recommendations concerning water use. This employee is responsible for measuring and delivering water to irrigators through the District's network of canals and laterals to satisfy the needs of water users. This employee is responsible for evaluating and regulating water flow rates and levels, including opening and closing water control structures. This employee must, from time to time, perform other special assignments and duties under the direction of the District Watermaster or the Construction and Maintenance Manager. This employee must be able to exercise independent judgment free from immediate direction or supervision in matters of significance.

The essential duties and responsibilities of the position are as follows:

1. Tactfully represent the District in communicating with water users in all phases of operations.
2. Schedule water releases with the District Watermaster and water user.
3. Coordinate water operations with District Watermaster and down-line ditchriders.
4. Decide when water will be available, based on need and safety concerns. measurements and judgment concerning water flow,
5. Use specialized knowledge, skill and equipment to measure water flows.
6. Control release and shutoff of water.
7. Investigate circumstances surrounding unauthorized use of water and report findings to District Watermaster with recommendations.
8. Provide input to be used in policy making by Board of Directors.
9. Provide status of water uses, and reports findings to District Watermaster.
10. When requested, will issue written reports to District of water deliveries as the results of field inspections, with opinions and recommendations.
11. Correct problems on site using independent judgment.
12. Daily readings of meters and staff gauges at selected locations using specialized skill accurate recording of data is essential.
13. Monitor releases to adequately service water users along the canal system, including general maintenance requirements, flows and readings.
14. Use calculator to compute water flow rates and volumes, also verify computed flow rates periodically by current water measurement.

15. Exercise independent judgment and specialized skill in math, science and hydraulics using books, tables and measuring equipment to manage water within a specified area.
16. Learn and implement all rules, regulations and policies as set forth by the Board of Directors relating to daily water operations.
17. Use independent judgment to understand and apply appropriate water conservation techniques and practices as they apply to the performance of irrigation water delivery systems.
18. Identify maintenance requirements and report maintenance needs to Construction and Maintenance Manager and recommend scope of maintenance/repair.
19. Determine where and when weed burning is to take place, consistent with safety and air quality concerns.
20. Monitor for emergency conditions and take immediate response, including notification of appropriate governmental agencies, customers, and District officials in the event of an emergency.
21. Responsible for the safe and orderly operation of District-owned vehicle in performance of daily duties. Report needed vehicle service and maintenance by use of the work order system. Keep track of tool inventory at the start of each shift.
22. Maintain a high degree of professionalism in all facets of water delivery.
23. Report to District Watermaster or Construction and Maintenance Manager any loss of tools or any accident or incidents involving District property.

During the “off-season”

24. Daily readings of meters and staff gauges at selected locations using specialized skill accurate recording of data Canal system is essential.
25. General maintenance requirements, flows and readings.
26. Must be capable of performing general maintenance tasks as assigned.

Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required.

1. Possess strong communication skills
2. Must be able to tactfully represent the District
3. Ability to collect, analyze, compute and compile stream flow data
4. Possess strong communication skills with the ability to communicate in person and in writing
5. Skill in analyzing, computing, compiling data assuring accurate stream flow measurement
6. Ability to apply hydraulic theory to open-channel flow
7. Ability to meet deadlines and work well with others
8. Knowledge of water hydraulics to determine flow rates, velocities, etc., using standard measuring equipment such as weirs, flumes, submerged orifice flow and recognize backwater conditions.