



## COUNTY OF NYE

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### **Class Title: Water Distribution Technician**

**BASIC FUNCTION:** Under general supervision, is responsible for the maintenance, repair, and monitoring of water and wastewater plant operations, airports and distribution systems for the assigned area and performs related work as required.

**REPRESENTATIVE DUTIES:** *(Performance of these functions is the reason the job exists. Assigned job tasks/duties are not limited to the representative duties).*

1. Controls and monitors mechanical devices used to treat wastewater and related sludges, both manually and using the Supervisory Control and Data Acquisition (SCADA) and computer control systems.
2. Monitors, both manually and using the SCADA system, unit process variables and initiates change as determined through calculations, test procedures, and independent judgment to achieve operational goals; calculates chemical dosage for water treatment.
3. Inspects and evaluates wastewater operations and adjusts plant processes accordingly.
4. Records production and water flow daily; maintains well and equipment logs; keeps various records of water and sewer plant operations.
5. Inspects all pumps, bar screen and related equipment, grit chambers, digesters, and heaters, trickling filters, and primary and secondary basins daily and records all vital information on production totals.
6. Obtains water samples for organic or chemical analysis from various locations.
7. Locates distribution and collection lines as per state and local requirements.
8. Operates & maintains all components of water and sewer operations such as plumbing, electrical, and chemical.
9. Ensures the accuracy and proper functioning of the treatment plant and ensures Environmental Protection Agency operating standards are met or exceeded.
10. Installs, repairs, and reads water meters; cleans and lubricates pumps and other production equipment as needed.
11. Engages in public contact with customers and related field personnel.
12. Operates telemetry system; exercise all system generators based on "real world test" every six months or as needed.
13. Repair and/or replacement of all beacons, windsocks, traffic circles, and tetrahedrons.
14. Repair and/or replacement of all taxiway, runway, and threshold lights.

15. Weed control and clean-up of airport property.
16. Ordering and maintaining stock of parts necessary to maintain all airport property and equipment.

## **QUALIFICATIONS FOR EMPLOYMENT:**

### **Knowledge of:**

Operations, services, and activities of a wastewater treatment program; Methods and techniques of pump regulation; Methods, materials, and procedures used in inspection, repair and maintenance of water systems; ; Occupational hazards and standard safety practices; Operational characteristics of pump equipment; Pump capabilities to regulate water flow; Chemicals and chemical feeders; ; Basic Mathematical knowledge ; Current computer hardware and common applications at an intermediate level, such as word processing, spreadsheet, and database; Pertinent federal, state and local laws, codes and regulations; and OSHA trenching and shoring laws.

### **Ability to:**

Operate a variety of pumping equipment in a safe and effective manner; Monitor wastewater treatment plant functions through the use of the SCADA (Supervisory Control and Data Acquisition) and computer control systems; ; Perform less complex wastewater treatment operations; Recognize improper pump operation through visual or auditory inspection; Perform preventive and corrective maintenance on facility equipment; to operate a gas monitor; ; Read and write English at a level necessary to perform essential functions; Prepare clear and concise reports; Work in confined spaces wearing a breathing apparatus; Understand and follow oral and written instructions; and Communicate clearly and concisely, both orally and in writing.

### **Required Certifications and Licenses:**

Valid Nevada Driver's License appropriate for equipment to be operated; State of Nevada (NDEP) Water Distribution Operator Grade 1 full certification; State of Nevada (NDEP) Wastewater Treatment Plant Operator Grade 1 and maintain certifications of same; and current OSHA 10 safety certificate.

### **Experience and Training:**

Any combination of training, education, and experience that would provide the required knowledge and abilities. A typical way to gain the required knowledge and ability is: Possession of a high school diploma or equivalency and two years of experience in wastewater treatment.

### **Physical and Mental Requirements:**

The physical and mental requirements described here are representative of those that must be met by an employee to successfully perform the essential functions of the job.

Frequent standing in combination with walking throughout work shift on all types of terrain up to ¼-1 mile per shift, depending on area assigned. Strength and stamina to bend, stoop, sit, and stand for long periods of time. Occasionally sitting while performing administrative duties. Some reaching for items above and below desk level. Frequent reaching, bending, squatting, and stooping to perform maintenance tasks. Infrequently crawling or kneeling to check gauges and valves. Frequently lifting of 1-15

pounds is required, including materials, samples, supplies, and tools. Infrequently lifting of up to 50 pounds may be required.

In compliance with applicable disability laws, reasonable accommodation may be provided for qualified individuals with a disability who require and request such accommodations. Incumbents and individuals who have been offered employment are encouraged to discuss potential accommodations with the employer.

**Working Conditions:**

Work is performed under the following conditions:

Position functions at a water & wastewater treatment facilities and may occasionally take place at construction sites. Exposure to waste, hazardous and infectious waste, noise, electrical hazards, inclement weather, moving objects, vehicles, sharp objects, pinch points, odors, fumes, gases, dust, and slippery surfaces. Safety equipment utilized may include hearing and eye protection, safety shoes (based on ANSI requirements) gloves, masks, respirators, and a safety vest. Frequent interruptions to planned work activities occur.