

**SEWER PLANT/WATER TECHNICIAN
JOB DESCRIPTION
CHATEAU CHAPARRAL OWNERS ASSOCIATION**

Job Summary

The **Sewer Plant/Water Technician** is a part time salaried employee responsible for the day to day monitoring and maintenance of Chateau Chaparral Owners Association (CCOA) Sequencing Batch Reactor (SBR), pump house and water facilities. The Technician reports to the Park Manager (PM) or President of the Board of Managers.

Compensation

The Technician averages approximately 20 hours/week. The starting range of pay is dependent on qualifications and experience of each individual candidate. The current budget allows for advancing up to \$31,560.

Certification/Education/Experience Requirements

- Class B Wastewater Treatment Operators certification or higher
- Class 1 Collection System Operator certification or higher
- Class D Water Treatment Operators certification or higher
- Class 1 Distribution System Operator certification or higher
- Graduation from high school or completion of GED
- Two (2) years of experience in Wastewater Plant Operation or related field experience in activated sludge type treatment system, specifically Biological Nutrient Removal preferred
- Must possess a valid driver's license

Competencies

- Demonstrate knowledge of general mechanical, hydraulic, and scientific principles used in wastewater treatment and public water systems
- Perform thorough daily operator inspections of both the waste treatment facility and pump house to detect problems in equipment through visual inspections
- Collect and analyze daily, or as required by the State of Colorado, waste water and water system control tests and samplings
- Demonstrate knowledge of proper use and maintenance of tools and equipment used at the plant
- Demonstrate knowledge of SCADA (Supervisory Control and Data Acquisition) systems, personal computers, and Microsoft software applications for daily use in preparing reports, data management and analysis
- Demonstrate the ability to work independently, as well as the ability to follow written and oral instructions
- Demonstrate knowledge of the laws and regulations pertaining to operation of a Class B Wastewater Treatment Facility
- Demonstrate ability to interpret and apply CDPHE (Colorado Department of Public Health and Environment) Permit limits
- Demonstrate knowledge of the requirements of the wastewater treatment facility ORC, Colorado Department of the Public Health and Environment (CDPHE) Colorado Discharge Permit System (CDPS) Permits are being met, including effluent discharge limits, compliance schedule requirements, specialized sampling, reporting etc

Job Specific Functions, Duties, Responsibilities and Tasks

1. Operates the wastewater treatment facility and a water treatment facility making periodic checks of plant mechanical equipment, including:
 - Preliminary treatment, secondary treatment (activated sludge Biological Nutrient Removal), Chemical dosing for disinfection, sludge thickening, re-use processes
 - Performing operational control tests to check overall plant efficiency used to maintain discharge regulations for Colorado Department of Public Health and Environment and Environmental Protection Agency
 - Monitoring facility SCADA system and making adjustments to the facility.
 - Monitoring the receiving of raw domestic sewage for treatment to remove inorganic matter by physical removal and organic compounds by physical and biological means
2. Makes microscopic examinations of the secondary treatment at regular intervals to insure proper balance in the system, including:
 - Interpreting data and making corrections in plant operations to maintain discharge standards set by the Colorado Department of Public Health and Environment and Environmental Protection Agency
 - Completing proper log sheets, charts, reports, lab analysis and data entry to produce data on which future adjustments can be based
 - Submit Monthly/Yearly reports to CDPHE
3. The operator must also monitor the water treatment and distribution system, including:
 - Making adjustments to the system as the flow demand increases or decreases
 - Monitoring the production and making chemical feed adjustments based on water quality analysis
4. Operates sludge conditioning equipment as needed
5. Contacts local service provider for sludge removal
6. Utilizes required personal protective equipment and safety apparatus
7. Maintains regular and punctual attendance

Incumbent is accountable for all duties of this job and other projects and responsibilities may be added at CCOA's discretion.

Physical Requirements

This position is physical in nature and requires sufficient physical stamina and strength to:

- Occasionally squat, bend and kneel to perform inspections and repairs; Occasionally reach overhead and below shoulder to perform inspections and repairs; Twisting to operate valves and move equipment
- Frequent light/firm grasp, fine manipulation and handling to perform daily reporting tasks and equipment repair and maintenance
- Frequent step up/down and actuate mechanism to safely enter, exit and operate vehicles and equipment
- Normal near and far acuity and hearing are needed to identify potential mechanical problems and hazards
- Lift and carry twenty (20) pounds 200 yards to move supplies and equipment to work area; occasionally lift and carry up to 100 pounds up to ten (10) feet to move chemical bags and other supplies to work area

Working Conditions

Work is constantly performed indoors and outdoors with occasional exposure to extreme temperatures. Operators are required to work in confined spaces as required.

Required Materials and Equipment

May operate light equipment and machinery used in Wastewater Treatment operations, such as: sludge pumps, influent pumps, general shop equipment, air compressors, welders, hydraulic pump units, cellular

phones and chlorine feeders. Must have access to personal computers and keyboards, telephones, adding machines, and other basic office equipment.

Pre-Employment Requirements

- Background check including employment references, criminal history and driving record review
- Must be legally entitled to work in the United States