

**Classification: Non-exempt**

**Range: 100**

**City of Brush!**

**WASTEWATER PLANT OPERATOR  
Class C + I**

**General Statement of Duties:** Under the supervision of the Wastewater Foreman, performs a variety of duties to facilitate the flow and treatment of wastewater and, skilled and semi-skilled work for the general operation, maintenance and repair of the treatment facilities.

**Essential Functions:**

- Perform daily rounds.
- Collect samples.
- Analyze samples.
- Perform maintenance on waste water system.
- Perform process control changes.
- Assist Water Department as directed.

**Examples of Duties:**

The following duty statements are not intended and should not be interpreted to be an exhaustive list of all responsibilities or skills associated with this position. Other duties and responsibilities are performed as assigned.

- Assists in completion of work and special instructions on a daily basis as directed by the Wastewater Foreman or as outlined in the Wastewater Treatment Plant Operations and Maintenance Manual.
- Assists in the process control of the facility.
- Checks equipment for proper operation. Observes or detects impending process problems and notifies higher level personnel in a timely and proper manner.
- Monitors controls and gauges and assist in making any necessary changes on any equipment and flow as directed.
- Assists in the operation, maintenance, and repair of pumps, motors, control panels, all instrumentation flow meters, sensors, UV system, blowers/compressors, ventilation systems, buildings and control structures.

- Performs wastewater analyses as may be required or may be required to complete lab techniques, interprets and records results of same.
- Assists in keeping all process control daily reports, maintenance and equipment history
- Records operational changes, observations and completed jobs daily, keeping all records up to date.
- Assists in collection and distribution activities as directed.
- Shares responsibility for maintenance of plant vehicles.
- Observes all safety rules and regulations.
- Assists in maintaining plant buildings and grounds, mows compound, washes equipment, paints buildings, cleans plant components, reads gas pressure, boiler temperature, and flow meters.
- Checks clarifiers, aeration basins, and digester.
- Inspects UV disinfection system, and makes changes if directed.
- Tests influent and effluent for temperature and pH, tests chlorine residuals, collects samples for NPDES monitoring.
- Checks all pumps, motors, blowers and compressors.
- Hauls digested biosolids for field application. Working knowledge of solids handling and 40 CFR 503 regulations.
- Performs weekend duty on a rotating basis as required.
- Performs other duties as required.

**Job Requirements and Difficulty of Work:**

Thorough knowledge of, and mechanical aptitude that permits working with, pumps, valves, motors, electrical panels, instrumentation, SCADA systems and of the principles, practices, and processes related to activated sludge, REDOX and Biological Nutrient Removal wastewater treatment.

Ability to work unsupervised.

Ability to swim.

Ability to deal with public in a cordial and professional manner.

Ability to comprehend and follow complex written and/or oral instructions.

Knowledge of chemistry and mathematics.

Knowledge of confined space requirements and hazards.

Must have or be willing to obtain Hepatitis B vaccination.

Must possess a valid Colorado Class "C" Wastewater Treatment Plant Operator License.

Must possess or be able to obtain a Class "I" Collection Systems License and a Class I Distribution System License.

Must possess or be able to obtain a valid Colorado Driver's License.

Ability to climb ladders, ascend or descend stairs, reach overhead, enter confined spaces such as wet wells and manholes.

Ability to walk, stand or lift for extended periods of time and be able to perform tasks during inclement weather conditions.

The employee shall work well under pressure, meet multiple and sometimes competing deadlines.

The employee shall at all times demonstrate cooperative behavior with colleagues and supervisors.

**Physical Requirements and Work Environment:**

The job's physical demand requirements place the position in the **Medium** category according to the U.S. Dept of Labor's Dictionary of Occupational Titles, Volume II, Fourth Edition, Revised 1991.

*Occasional (1%-33%), Frequent (34%-66%), Constant (67%-100%)*

Requires standing, sitting, climbing, squatting, kneeling and overhead reaching occasionally.

Requires walking, stooping and carrying frequently.

Requires angular reaching, wrist flexion / extension, elbow flexion / extension, supination / pronation and grasping constantly.

Ability to lift 30 pounds from ground to overhead occasionally.

Ability to lift 40 pounds from ground to waist level occasionally.

Ability to lift 40 pounds in kneeling position to overhead occasionally.

Ability to lift 45 pounds from chest level to overhead occasionally.

Ability to pull 50 pounds to 200 feet occasionally.

Ability to pull 70 pounds to 24 feet occasionally.

Ability to pull 75 pounds to 10 feet occasionally.

Ability to one hand carry various hand tools frequently.

Ability to two hand carry 50 pounds to 32 feet occasionally.

Exposed to forceful exertions, postural stresses and upper extremity / whole body vibrations.

Worksite conditions include: noise, temperature changes, extreme temperatures, wet / humid conditions, confined areas, fumes/dust/dirt and access to heights above ground.

Occasional exposure to sharp tools and slick flooring.

Requires sustained attention, feeling sensation and balance.

**Education:**

High school diploma or equivalent.

**Experience:**

Must possess a valid Colorado Class C Wastewater Treatment Plant Operator License and a Colorado Class I Collection Systems License.

Two (2) years experience as a Treatment Plant Operator.

**Desired Special Qualifications:**

Possess or be able to obtain a Class II Distribution Systems License, and Class II Collection Systems License.