

## **WASTEWATER TREATMENT PLANT OPERATOR**

The City of Cayce currently has a position available for a **licensed** Biological Wastewater Treatment Plant Operator to work at the city's Pretreatment Plant. The starting salary range is \$19.47 for entry level Operator A, commensurate to applicant's certification level and experience. The position involves laboratory, technical and maintenance work in the operation of a biological waste treatment facility. Candidates must be able to perform a variety of tasks in waste treatment plant operations and be willing to work in a team environment.

Preferred requirements include High School graduate with vocational/technical training in the field of waste treatment operations, or any equivalent education or training. A valid SC CDL, Class A, is preferred.

Excellent benefits package that includes State Retirement and paid health insurance. Applications are available on the city website: [www.cityofcayce-sc.gov](http://www.cityofcayce-sc.gov) **A valid South Carolina Driver's License with a good driving record is required. Must provide DMV report at first interview. Application required.** E.O.E.

**CITY OF CAYCE  
CLASS DESCRIPTION  
2000**

**CLASS TITLE: OPERATOR A  
ENVIRONMENTAL SYSTEMS**

**GENERAL DESCRIPTION OF CLASS**

The purpose of the class is to provide highly skilled monitoring and treatment of the City's water/wastewater facility. The class is responsible for water purification and/or wastewater treatment plant operations, maintenance and quality control. The class works within a general outline of work to be performed and develops work methods and sequences under the Wastewater/Water Plant Assistant Supervisor.

**ESSENTIAL TASKS**

The tasks listed below are those that represent the majority of the time spent working in this class. Management may assign additional tasks related to the type of work of the class as necessary.

May perform supervisory functions such as training, work assignments and evaluation, counseling, disciplining as required and recommends transfers or promotions.

Operates the wastewater treatment and/or water purification plant; performs preventative and corrective maintenance on equipment.

Operates and monitors major pump stations.

Operates pumps, motors, air compressors and related machinery and equipment as part of an operating crew; operates belt press, dewatering sludge.

Repairs air compressors, motors, pumps and related equipment.

Determines chemical dosages to properly treat water; runs quality control tests/process control tests.

Adds chemicals to wastewater/water; treats and disposes of sludge.

Assists in turning valves to control flow of water and/or wastewater.

Performs plant and housekeeping duties.

Performs work safely and adheres to all safety regulations.

Performs various plant operations including but not limited to mixing chemicals, changing chlorine cylinders, SO<sub>2</sub> cylinders, reading and recording data from gauges, meters, etc.; checking chemical storage areas and tanks, checking and adjusting chemical feed systems, operating machinery necessary for proper functioning of the plant, emptying chlorine cylinders, etc. Operates belt press.

Coordinates all laboratory related work such as sampling, performing analysis, interpreting laboratory results, applying results to operations, maintaining safety with the lab, ensuring quality control, ensuring the maintenance of laboratory equipment, etc.

## **CLASS TITLE: OPERATOR A**

Maintains laboratory standards and certifications as required by DHEC and EPA.

Performs a variety of operations including but not limited to flushing water lines as needed, cleaning/changing filters, turning water on and off in distribution system and recording data from recording charts.

### **INVOLVEMENT WITH DATA, PEOPLE AND THINGS**

#### **DATA INVOLVEMENT:**

Requires summarizing, tabulating or formatting data or information in accordance with a prescribed schema or plan to facilitate the identification and extraction of useful information.

#### **PEOPLE INVOLVEMENT:**

Requires giving information, guidance or assistance to people which directly facilitates task accomplishment; may give instructions or assignments to helpers or assistants.

#### **INVOLVEMENT WITH THINGS:**

Requires leading or operating or repairing complex machinery or equipment that requires extended training and experience such as water purification and/or wastewater treatment machinery and equipment; may involve installation and testing.

### **COGNITIVE REQUIREMENTS**

#### **REASONING REQUIREMENTS:**

Requires performing skilled work involving rules/systems with almost constant problem solving.

#### **MATHEMATICAL REQUIREMENTS:**

Requires performing addition and subtraction, multiplication and division and/or calculating ratios, rates and percents.

#### **LANGUAGE REQUIREMENTS:**

Requires reading routine sentences, instructions, regulations, procedures, or work orders; writing routine sentences and completing routine job forms and incident reports, speaking routine sentences using proper grammar.

#### **MENTAL REQUIREMENTS:**

Requires performing specialized technical work requiring general understanding of operating policies and procedures and their application to problems not previously encountered; application of specialized technical principles and practices in the solution of problems; requires normal attention with short periods of concentration for accurate results and occasional exposure to unusual pressure.

### **VOCATIONAL/EDUCATIONAL AND EXPERIENCE PREPARATION**

#### **VOCATIONAL/EDUCATIONAL PREPARATION:**

## **CLASS TITLE: OPERATOR A**

Requires high school diploma or GED with vocational/technical school training in water/wastewater treatment or related field. Special courses, or self-education that is equivalent to satisfactory completion of one year of college education or specialized advanced training.

### **SPECIAL CERTIFICATIONS AND LICENSES:**

Must possess a valid South Carolina driver's license  
Class "A" Water Treatment Plant Operator's Certification  
Class "A" Biological Wastewater Treatment Plant Operator's Certification

### **EXPERIENCE REQUIREMENTS:**

Requires over 4 years of experience as a water/wastewater plant operator; or any equivalent combination of training and experience which provides the required knowledge, skills, abilities and certification.

## **AMERICANS WITH DISABILITIES ACT REQUIREMENTS**

### **PHYSICAL AND DEXTERITY REQUIREMENTS:**

Requires medium work that involves walking or standing most of the time and involves exerting between 20 and 50 pounds of force on a regular and recurring basis.

### **ENVIRONMENTAL HAZARDS:**

The job may risk exposure to dusts and pollen, extreme heat and/or cold, wet or humid conditions, fumes and/or noxious odors, moving machinery, electrical shock, disease/pathogens and toxic/caustic chemicals.

### **SENSORY REQUIREMENTS:**

The job requires normal visual acuity, field of vision, hearing, speaking, color perception, sense of smell and depth perception.

## **JUDGMENTS AND DECISIONS**

### **JUDGMENTS AND DECISIONS:**

Requires being responsible to guide others, requiring frequent decisions, affecting the individual, co-workers, and others in the general public; works in a somewhat fluid environment with rules and procedures but many variations from the routine.

## **ADA COMPLIANCE**

The City of Cayce is an Equal Opportunity Employer. ADA requires the City to provide reasonable accommodations to qualified individuals with disabilities. Prospective and current employees are invited to discuss accommodations.

## **SOUTH CAROLINA RETIREMENT SYSTEMS**

Belongs to the South Carolina Retirement System.