

**CITY OF FALMOUTH  
POSITION DESCRIPTION**

JOB TITLE: Plant Operator Trainee (WW1)

DEPARTMENT: Waster Water

**ESSENTIAL DUTIES AND RESPONSIBILITIES.**

- Develop a general overall knowledge of water flow through the plant from the Second Street pumping station to finished water effluent to river.
- Develop a familiarity with
  - Line layouts and locations
  - Pump and valve locations
  - Names and locations and general functions of required tools and equipment
- Read showing flow rates and convert daily flows to hourly or other periodic flow rates
- Follow safety procedures plant wide
- Develop a knowledge of various lab equipment, cleaning procedures and storage of equipment and supplies.
- Develop a knowledge of and assist with general repair and preventative maintenance of pump repairs, valve repairs, plant repairs and painting, chemical feeders, general lubrication, grounds and landscaping maintenance and plant vehicle maintenance.
- Ability to make accurate entries in daily or monthly records, as instructed.
- Begin process of obtaining Class I Operators Certificate.
- Prepares required reports and records.
- Performs other duties as necessary.

**PERIPHERAL DUTIES AND RESPONSIBILITIES.**

- Maintains clean plant
- Assists with grounds keeping and landscaping.
- Assists plant operator in:
  - Changing chemical feed containers
  - Removing solids from drying beds
  - Resanding drying beds
  - Changing Sulfer dioxide and chlorine chemical feed tanks
  - Obtaining special samples
- Takes daily or hourly meter/gauge readings, as requested
- Assists in overall operations of plant, as directed
- Prepares for certification test
- Serves on assigned committees.
- Assists with other tasks, as assigned

**SUPERVISION RECEIVED.**

Works under the direct supervision of the Plant Supervisor.

## **PHYSICAL DEMANDS**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work is performed in a warehouse and/or field setting. Moderate outdoor work is required in the field.

While performing the duties of this job, the employee is frequently required to stand; walk; talk or hear; use hands to finger, touch, or feel; stoop, kneel, crouch, or crawl; reach with hands and arms; and taste or smell. Occasionally the employee is required to sit, and climb or balance.

The employee must frequently be able to lift and/or move weights up to 70 lbs.

### **Vision Requirements**

- Close Vision (clear vision at 20 inches or less)
- Distance Vision (clear vision at 20 feet or more)
- Color Vision
- Peripheral Vision
- Depth Perception
- Ability to Adjust Focus

## **WORK ENVIRONMENT**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee occasionally works in outside weather conditions. Frequently the employee is exposed to toxic or caustic chemicals; fumes or airborne particles; vibrations; gases and chemicals used in plant; and work near moving mechanical parts. Occasionally the employee is exposed to wet, humid conditions (non-weather); work in high, precarious places; extreme heat (non-weather); and risk of electrical shock. Employee may sometimes be required to work with explosives.

The noise level in the work environment is usually loud.

## **DESIRED MINIMUM QUALIFICATIONS**

### **Education and Experience:**

- Graduation from a high school, or equivalent

### **Necessary Knowledge, Skills and Abilities:**

- Strong written and verbal communication skills.
- Understanding of mathematic principals and basic calculation necessary to plant operations, such as
  - reading totalizers
  - calculating daily flows
  - reading chemical feed scales
  - calculating daily and hourly usage levels
- General ability to read gauges showing flow rates and convert daily flows to hourly or other periodic flow rates.

## **SPECIAL REQUIREMENTS**

- Must possess a valid driver's license or have the ability to obtain one upon hire.
- Must obtain a Class I wastewater treatment operators' certification within 1 year.

## **TOOLS AND EQUIPMENT USED**

- This position requires the use of various waste water plant machinery, functions and equipment, such as:
  - Deep cell facultative lagoon treatment process
  - Primary settling basin
  - Primary sludge rakes and drives
  - Sludge hoppers
  - Secondary clarifier
  - Secondary sludge rakes and drives
  - Aeration basin
  - Air blowers Biochemical digester
  - Master control panels
  - Return water
  - Return supernate from drying beds
  - Drying beds
  - Chlorination chamber
  - Dechlorination chamber
  - Various controls and instrumentation
  - Second street pump station and related sub stations

Date approved \_\_\_\_\_