

## **OPERATOR I/SEWER DIVISION**

### **JOB SUMMARY**

This is skilled work in the operation of a sewage treatment plant or pumping stations on an assigned shift. Work involves responsibility for the operation of pumps, air compressors, chlorinators, and other appurtenances at a treatment plant or pumping stations. The employee of this class must exercise judgment in making adjustments to machinery and equipment, and related control apparatus in accordance with established operating procedures and standards. Work is reviewed primarily through analyses of charts, reports, SCADA system and observation. Unusual or major problems are reported to a superior.

On an assigned shift, periodically inspects or operates plant equipment such as the screw press septage receiving station, chlorination/dechlorination equipment, etc. depending on training. Usually is answerable to Operator II on same assigned shift and the Chief Operator. Assists in any possible way in the operation and maintenance of entire sewer division. Operator I must be able to handle sewer division operations in the absence of Operator II, should the situation arise.

### **EXAMPLES OF DUTIES**

(Any one position may not include all of the duties listed, nor do the listed examples include all duties, which may be found in positions of this class.)

1. On an assigned shift, inspects or operates plant equipment and machinery as required such as pumps, boilers, compressors, blowers, filters and chemical feeders, and determines that all machinery is operating properly.
2. Makes minor adjustments to equipment; cleans bar screen or communitor (sewage grinders) of obstructions. Inspects recording charts, gauges and meters; inspects treatment plant equipment such as chlorinators, polymer feeders, sludge collectors, pumps and controllers and related equipment for proper operation.
3. Takes samples of water or sewage at various stages of the treatment process, and performs routine laboratory analyses to determine effectiveness of treatment procedures and records results.
4. Services a variety of plant equipment and machinery; visits sewage pumping stations to inspect for proper operation; makes adjustments as required to ensure proper operation.
5. Performs custodial and maintenance work as it relates to the cleanliness, elimination of rust and general upkeep of plant facilities and equipment. Performs related work as required.

6. Performs routine duties involved in the operation of sewage sludge incinerators and accessory equipment after proper training.
7. Duties include making regular inspections in order to observe and check the operation of equipment, reading instruments, detecting and reporting faulty equipment operation, disorders and breakdowns, taking necessary action in the event of an emergency, aiding and assisting immediate supervisor as required and keeping accurate working logs of operation.

### **KNOWLEDGE, SKILLS AND ABILITIES REQUIRED**

Working knowledge of the general operating principles of electrical and mechanical equipment similar to the type used in treatment plants and pumping stations. Working knowledge of the mechanical maintenance and lubrication requirements of the equipment and machinery operated. Working knowledge of the hazards and safety precautions to be followed in working at or around treatment plant and pumping station equipment. Ability to accurately follow operating and recording procedures. Ability to detect faulty operation characteristics in equipment or processes, and to institute remedial action. Ability to understand and follow oral and written instructions.

Operator must have a general knowledge of simple electrical and piping systems, pneumatic and electronic instruments, and be familiar with principles, nomenclature, and units used in treatment plants.

### **COGNITIVE AND SENSORY REQUIREMENTS:**

TALKING: Necessary for communicating with others.

HEARING: Necessary for taking instructions and receiving information.

SIGHT: Necessary for doing job effectively and correctly.

### **DURING AN 8 HOUR DAY, EMPLOYEE IS REQUIRED TO:**

#### **CONSECUTIVE HOURS:**

SIT      1 2 3 4 5 6 7 8

STAND 1 2 3 4 5 6 7 8

WALK   1 2 3 4 5 6 7 8

#### **TOTAL HOURS:**

SIT      1 2 3 4 5 6 7 8

STAND 1 2 3 4 5 6 7 8

WALK   1 2 3 4 5 6 7 8

## ENVIRONMENT:

INSIDE 50%

OUTSIDE 50%

## HAND MANIPULATION:

GRASPING: Frequently required.

HANDLING: Frequently required.

TORQUING: Frequently required.

FINGERING: Frequently required.

## CONTROLS AND EQUIPMENT:

Heavy equipment (motorized), two-way radio.

## **LICENSURE/CERTIFICATION REQUIREMENTS:**

State of New Hampshire Certification requires minimum of Operator I.

## **OTHER TRAINING, SKILLS AND EXPERIENCE REQUIREMENTS:**

### **Specific Vocational Preparation Requirement(s):**

- ☐ 1. Short demonstration only.
- ☐ 2. Any beyond short demonstration up to and including 30 days.
- ☐ 3. 30-90 days.
- ☐ 4. 91-180 days.
- ☒ 5. 181 days to 1 year.
- ☐ 6. 1 to 2 years.
- ☐ 7. 2 to 4 years.
- ☐ 8. 4-10 years.
- ☐ 9. Over 10 years.

## PHYSICAL ACTIVITY REQUIREMENTS:

### **Primary Physical Requirements:**

LIFT up to 10 lbs.: Frequently required.

LIFT 11 to 25 lbs.: Frequently required.

LIFT 26 to 50 lbs.: Frequently required.  
LIFT over 50 lbs.: Rarely required.

CARRY up to 10 lbs.: Frequently required.  
CARRY 11 to 25 lbs.: Frequently required.  
CARRY 26 to 50 lbs.: Occasionally required.  
CARRY over 50 lbs.: Rarely required.

REACH above shoulder height: Frequently required.  
REACH at shoulder height: Frequently required.  
REACH below shoulder height: Frequently required.

PUSH/PULL: Frequently required.

**Other Physical Requirements:**

TWISTING: Frequently required.  
BENDING: Frequently required.  
CRAWLING: Frequently required.  
SQUATTING: Frequently required.  
KNEELING: Frequently required.  
CROUCHING: Frequently required.  
CLIMBING: Occasionally required.  
BALANCING: Occasionally required.

**WORK SURFACE(S):**

Uneven surfaces in wastewater environment, paved and unpaved roads, loose sand and dirt surfaces, outdoor winter condition surfaces.

Note: This job description is intended to be indicative and not specific.