

## **SENIOR WATER TREATMENT PLANT OPERATOR - GRADE IIA**

### **DISTINGUISHING FEATURES OF THE CLASS:**

This is an important position involving both technical and supervisory responsibilities in a Water Treatment Plant containing facilities for filtration with pretreatment for chemical softening process. An employee in this position supervises lab assistants in the testing of untreated and treated water, interprets these tests, supervises shift operators in the several phases of plant operations and assumes charge of the plant in the absence of the Chief Operator. Supervision will be exercised over all subordinate plant personnel.

### **TYPICAL WORK ACTIVITIES:**

1. Supervises lab assistants and plant operators in performing standardized chemical and bacteriological tests on water influent and treated effluent;
2. Analyzes and interprets the results of turbidity, color, alkalinity, ph, co<sub>2</sub>, odor, hardness, free chlorine, fluorides and other chemical tests;
3. Analyzes and interprets the results of plate counts, multiple tube and other bacteriological tests;
4. Prepares weekly and monthly reports of water testing and other plant operations;
5. Makes daily inspection of plant and plant machinery;
6. Instructs new plant personnel;
7. Troubleshoots water treatment problems;
8. May operate equipment and record readings on an assigned shift;
9. Maintains inventory of supplies, chemicals and other equipment;
10. Requisitions materials;
11. Acts for and on behalf of the Chief Operator in his absence;
12. Does related work as required.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of the practices used and the equipment required in the operation and maintenance of a water treatment plant containing facilities for filtration with pretreatment for a chemical softening process; good knowledge of the operations of a modern water treatment plant; good knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification; good knowledge of standard laboratory practices, procedures and equipment; ability to supervise the work of others; good judgement; alertness and dependability; physical condition commensurate with the demands of the position.

**SENIOR WATER TREATMENT PLANT OPERATOR - GRADE IIA** (Cont'd)

**MINIMUM QUALIFICATIONS:**

Graduation from high school or possession of a high school equivalency diploma AND completion of an appropriate course of instruction approved by the State Department of Health. One year of experience in the actual operation of a water treatment plant with facilities for filtration with pretreatment for chemical softening or any similar process.

**SPECIAL REQUIREMENTS:**

- I. Water Treatment Plant with facilities for filtration which treats over 2.5 million gallons per day:  
Eligibility for a Grade II-A certificate issued under the provisions of the New York State Sanitary Code.
- II. Water Treatment Plant with facilities for filtration which treats 2.5 million gallons or less per day:  
Eligibility for a Grade II-A certificate issued under the provisions of the New York State Sanitary Code.

EV2214

ADOPTED: 05/15/75

REVISED: 08/28/78

05/01/89

11/03/89