

WATER TREATMENT SPECIALIST

DISTINGUISHING FEATURES OF THE CLASS:

This is a technical position responsible for investigating alternative treatment technologies and chemicals in order to determine treatment alternatives to reduce cost, optimize treatment and meet new standards. This position differs from Water Treatment Plant Operator in that it requires a broader technical background.

TYPICAL WORK ACTIVITIES:

The following is indicative of the level and types of activities performed by incumbents in this title. It is not meant to be all inclusive and does not preclude a supervisor from assigning activities not listed which could reasonably be expected to be performed by an employee in this title.

1. Conducts water quality analyses and treatment tests to optimize water treatment plant effluent quality;
2. Trains water treatments plant operators to implement treatment optimization;
3. Acts for and on behalf of the Senior Operator in his absence;
4. Keeps abreast of current trends in water treatment technology.

FULL PERFORMANCE KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of water treatment practices and equipment required in the operation and maintenance of a Water Treatment Plant with facilities for filtration;

Knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification;

Skill in the operation and repair of pumps, valves and related mechanical and electrical equipment;

Computational and laboratory skills to calculate water quality and processes;

Ability to make routine laboratory and field tests for control of plant operation;

Ability to read, understand and record data from gauges, scales and meters;

Ability to understand and carry out oral and written instructions;

Personal characteristics necessary to perform the duties of the position;

Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of a New York State high school equivalency diploma **and** five years of operations experience in a conventional filtration plant.

SPECIAL REQUIREMENT:

Eligibility for a Grade IA certificate issued under the provisions of the New York State Sanitary Code.

Possession of the certificate at the time of appointment.

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ADOPTED: 12/30/98