

Department: In all Civil Divisions  
Classification: Competitive  
Grade: \_\_\_\_\_

SPEC DISK C3  
DOCUMENT 60

**CHIEF WATER TREATMENT PLANT OPERATOR**  
(NYS Department of Public Health-Water Treatment Plant Operator)

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for the complete and actual operation of a water treatment plant. This is a technical position involving responsibility for the safe and efficient operation and maintenance of the water treatment plant. General direction is received from the appointing authority, but wide leeway is allowed for planning work methods and dealing with emergency conditions. Supervision over the work of subordinate employees is requirement of this position. The incumbent does related work as required.

**TYPICAL WORK ACTIVITIES:** (Illustrative only)

Supervises the operation of the plant to assure the most efficient and economical use of equipment, supplies and manpower;  
Makes daily inspection of plant and plant machinery;  
Makes or supervises necessary testing of water samples;  
Operates or supervises the operation of pumps, valves, motors and related machinery and equipment; Supervises or performs maintenance work and makes minor repairs to machinery and equipment;  
Supervises or records readings of meters, gauges and scales;  
Supervises or regulates and adjusts chlorinators;  
Supervises the work of subordinate employees;  
Keeps a log of plant operations and related records.

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

Thorough knowledge of the practices used and equipment required in the operation and maintenance of a water treatment plant with facilities for the application of chemicals to the water, such as, chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of dechlorination; good knowledge of the principles and application 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; ability to read, understand and record data from gauges, scales and meters; ability to make routine laboratory and field tests for control of plant operations; ability to plan and supervise the work of subordinates; ability to understand and carry out oral and written instructions; mechanical aptitude; alertness and dependability; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Either:

- (a) Type I-A Water Treatment Plant with facilities for filtration which treats over 2.5 MGD (million gallons per day).  
High school diploma or New York State equivalency diploma and successful completion of appropriate level water treatment operator courses; and  
Ten years of acceptable operating \*experience with one year at a water treatment plant with facilities for filtration.

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(b) Type II-A Water Treatment Plant with facilities for filtration which treats 2.5 MGD or less.

High school diploma or New York State equivalency diploma and successful completion of appropriate level water treatment operator courses; and

One year of acceptable operating experience at a water treatment plant with facilities for filtration.

(c) Type I-B Water Treatment Plant without facilities for filtration which treats over 2.5 MGD.

High school diploma or New York State equivalency diploma and successful completion of appropriate level water treatment operator courses; and

Ten years of acceptable operating \*experience at a water treatment plant.

(d) Type II-B Water Treatment Plant without facilities for filtration which treats 2.5 MGD or less and serves more than 1,000 people.

High school diploma or New York State equivalency diploma and successful completion of appropriate level water treatment operator courses; and

One year of acceptable operating experience at a water treatment plant.

(e) Type C Water Treatment Plant (without facilities for filtration) and/or a distribution system that serves 1,000 people or less.

Successful completion of appropriate level water treatment operator courses; and

Six months of acceptable operating experience at a water treatment plant.

(f) Type D-Distribution System (all systems).

Successful completion of distribution system operator courses; and

One year of acceptable operating and maintenance experience in a distribution system.

\* The ten-year period of experience may be reduced through education at a rate of two years of experience being equivalent to one full year of college level education. College credits in engineering, natural sciences and other related fields may be substituted for experience at and approximate rate of one college credit hour in the sciences being considered equivalent to one month of experience. Two years of acceptable experience is a minimum, regardless of education.

## WATER TREATMENT PLANT GRADES

Adrian Acres West		C
AuSable Acres		C
AuSable Water District		IIB
Bloomington Village Water Supply	IIA	
Claymore Homes		No Treatment Necessary
Crown Point Water District	C	
Elizabethtown Water District	IIB	
Essex Water District		C
Graeff Water Supply		No Treatment Necessary
Jay Water District		C
Keene Water District #1		C
Keene Water District #2		C
Keeseville Village Water Supply		IIB
Lake Placid Village Water Supply	IIB	
Lewis Water District		C
Minerva Water District		C
Moriah Water District #1	IIA	
Moriah Water District #2	IIA	
New Russia Water District	C	
Port Henry Village Water Supply	IIA	
Port Kent Water Supply		No Treatment Necessary
Ray Brook Water District	C	
Schroon lake Water District	IIB	
Schroon River Union		C
Ticonderoga Village Water Supply	IIB	
Upper Jay Water District		C
Wadhams Water District		C
Westport Village Water Supply		No Treatment Necessary
Willsboro Water District		IIA
Wilmington Water District	IIB	
Winebrook Hills Water District		IIA

An operator possessing a license higher than a plant grade can operate the lower grade plant, i.e. a IIB operator can operate a C grade plant.