

WATER SUPPLY DESIGN ENGINEER

Code No. 3-14-270
COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an engineering position in the Monroe County Water Authority, responsible for directing the preparation of plans and specifications for engineering projects. The position regularly requires field work at construction job sites. The employee reports directly to and works under the general supervision of a senior level engineering staff member, with wide latitude allowed for the development and modification of design plans and specifications, the exercise of independent judgment, and the application of professional engineering standards. General supervision is exercised over a professional engineering and support staff. Does related work as required.

TYPICAL WORK ACTIVITIES: (All need not be performed in a given position. Other related activities may be performed although not listed.)

Prepares permit applications, plans and specifications for projects involving pump stations, water supply, distribution, water storage systems and related water supply projects;

Inspects work in progress for conformance to plans and specifications;

Conducts investigations, and engineering and environmental studies on proposed projects including visits to potential job sites;

Prepares cost estimates for projects;

Prepares reports to reflect investigations and studies;

Trains, supervises, reviews and evaluates the work of technical staff;

Develops capital and operating budgets.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Good knowledge of civil engineering/architectural principles relative to water supply projects; working knowledge of budget preparation and maintenance; ability to develop and evaluate engineering concepts in designs, drawings and specifications; ability to prepare detailed narrative reports; ability to operate a personal computer; ability to establish and maintain effective working relationships with other professionals and the general public; ability to plan and direct the work of a small engineering staff; ability to work outdoors; initiative; resourcefulness; integrity; good judgment; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma, PLUS EITHER:

- (A) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in Civil, Sanitary or Construction Engineering/Technology, plus four (4) years paid full-time or its part-time equivalent experience in civil engineering work involving one or more of the following: drafting, surveying, construction inspection, project design, and public works construction, two (2) years of which must have been in a supervisory capacity; OR,
- (B) Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in Civil, Sanitary or Construction Engineering/Technology, plus six (6) years paid full-time or its part-time equivalent experience as defined in (A), two (2) of which must have been in a supervisory capacity; OR,
- (C) Eight (8) years of full-time or its part-time equivalent experience as described in (A) above; OR,
- (D) Any equivalent combination of training and experience as defined by the limits of (A), (B) and (C) above.

NOTE: A Master's degree in Civil, Sanitary or Construction Engineering may substitute for one (1) year of experience.

SPECIAL REQUIREMENTS:

1. Possession of, at time of appointment, a New York State Professional Engineer's license or possession of a Professional Engineer's license issued by a state having reciprocity with New York Professional Engineering licensure standards and which license was obtained by written examination.

Where, in order to meet the Professional Engineer's license requirement, an individual is appointed by using the process of reciprocity, the probationary period is not considered complete until the employee has received the Professional Engineer's license issued by the State of New York. The license must be obtained within twelve (12) months of appointment.

2. Possession of a valid New York State Class D drivers license at the time of appointment.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES:

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

ADOPTED: July 18, 1991

REVISED: August 20, 1992