

ENGINEERING TECHNICIAN - MECHANICAL

Code No. 4-14-168
COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is a technical position at the Monroe County Water Authority (MCWA) responsible for preparing plans and conducting inspections of construction or rehabilitation projects for booster pump stations, water treatment and water storage facilities, pipelines and related equipment. The employee may perform fieldwork, drafting, and other engineering support tasks with emphasis on mechanical engineering projects. The employee reports directly to, and works under the general supervision of, a senior-level engineering staff member and under direct supervision from a Project Engineer when assigned to a specific project. General supervision may be exercised over subordinate staff on specific projects or tasks as required. 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.)

Represents MCWA at facilities and construction sites on projects being constructed by outside contractors;

Inspects work done by contractors, developers and MCWA crews to ensure conformity of materials and workmanship to specifications, plans and other requirements;

Prepares agency and contractor forms showing work done (percentage completed) and materials used as a basis for payment to contractors;

Performs office drafting including updating system maps, records and diagrams of agency facilities;

Checks facilities, including field testing, and prepares reports;

Assists in the preparation of contractor bid packages;

Compiles data and assists in conducting hydraulic network analyses.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Good knowledge of inspection techniques, good knowledge of mechanical drafting techniques; working knowledge of mathematics and typical routine mechanical engineering problems; skill in preparing accurate maps and drawings; good oral and written communication skill; ability to prepare field records and reports; ability to conduct hydraulic distribution flow tests; willingness to work outdoors; dependability; integrity; good judgment; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from a regionally accredited or New York State

registered college or university with an Associate's degree in Mechanical Engineering or Mechanical Technology; plus EITHER:

- (A) Two (2) years paid full-time or its part-time equivalent experience as a draftsman, helper on mechanical engineering projects, mechanical maintenance work or installation of large machinery; OR,
- (B) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in Mechanical Engineering; OR,
- (C) Any equivalent combination of training and experience as defined by the limits of (A) and (B) above.

SPECIAL REQUIREMENT: If you are appointed, you will be required to possess a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

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: October 4, 1994