

## ENGINEERING TECHNICIAN (ENVIRONMENTAL FACILITIES)

DISTINGUISHING FEATURES OF THE CLASS: Under supervision, works as a general field assistant performing basic non-professional engineering work. Supervision is not a responsibility of this class. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Conducts and assists in surveying assignments using GPS (Global Positioning System) equipment;

Gathers information and data from field investigations and field research that will be utilized for the Capacity, Management, Operation and Maintenance Programs for Municipal Sanitary Sewer Systems (CMOM) Program;

Inspects and assists in the inspection of sanitary sewer manholes and pipelines using video and other equipment associated with this type of work;

Utilizes a computer-based system for collective monitoring of wastewater systems;

Inspects and assists in the inspection of repair and maintenance work performed by others;

Prepares specifications for repair and replacement of existing equipment;

Maintains routine records;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Familiarity with the principles of water and/or wastewater facilities construction and/or facility construction practices; familiarity with survey and/or GPS practices; familiarity with GIS software; ability to write and speak effectively; ability to follow oral and written instructions; ability to read, write, speak, understand and communicate in English sufficiently to perform the essential tasks of the position; ability to effectively use computer applications such as spreadsheets, word processing, e-mail and database software; initiative; resourcefulness; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Graduation from high school or possession of an equivalency diploma and either (a) two years of general construction work, one year of which must have directly involved either the direction, layout, installation or testing of environmental facilities projects, which includes buildings, equipment, water lines, sewer lines, water and wastewater treatment systems; or (b) completion of a two year course in construction, civil technology, engineering technology, environmental

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: (con't)

science or a related field at a recognized post high school\*, trade or technical college; or (c) a satisfactory equivalent combination of the foregoing training and experience.

SUBSTITUTION: Satisfactory completion of 30 credits towards a Bachelor's Degree\* in Engineering, Engineering Technology, Environmental Science or a related field may be substituted for each year of the required experience.

\*SPECIAL NOTE: Education beyond the secondary must be from an institution accredited or recognized by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

SPECIAL REQUIREMENTS: (1) Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety; and (2) Incumbents must possess a valid license to operate a motor vehicle in the State of New York.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.