

## SENIOR LABORATORY TECHNICIAN (II-ENVIRONMENTAL FACILITIES)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, incumbents are responsible for conducting physical, chemical and bacteriological procedures on water and wastewater in an Environmental Facilities Laboratory, necessary to meet the standards set by Federal and State agencies. Incumbents perform analyses to ensure proper plant operation (process control). These employees are also responsible for maintaining lab records, compiling data and preparing and presenting analytical reports. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Performs chemical, physical and bacteriological procedures on water and wastewater, to determine quality and maintain standards;

Compiles and analyses data to assure proper plant operation (process control);

Compiles data and maintains laboratory records;

Maintains laboratory quality control and analyzes Federal and State "performance evaluation samples" in categories of Chemistry and Bacteriology as a requirement of quality assurance programs and to ensure on-going laboratory certification;

Maintains inventory and orders laboratory supplies to ensure availability of work material;

Maintains work areas, glassware and equipment in a clean, orderly and approved condition;

Maintains a continuing awareness of new laboratory procedures, techniques, equipment and regulations.

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.

### FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES:

Thorough knowledge of modern laboratory techniques and procedures for the performance of complex inorganic and microbiological analyses; thorough knowledge of the principles of chemistry; high degree of skill in the operation of standard laboratory equipment, and apparatus; ability to perform complex calculations; ability to communicate clearly and effectively both orally and in writing; ability to follow and convey complex technical instructions; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; accuracy; thoroughness; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A Bachelor's Degree\* which includes a total of 20 credits in chemistry and/or biology; and one year of experience in an approved medical, hospital, public health or environmental laboratory.

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