

## ASSISTANT ENVIRONMENTAL BACTERIOLOGIST

DISTINGUISHING FEATURES OF THE CLASS: Under the supervision of a higher level professional, the incumbent of this position conducts environmental bacteriological examinations of water, wastewater, dairy products, food and other environmental materials, insuring that all tests adhere to established quality control standards and that the results of examinations adhere to established proficiency standards. Supervision may be exercised over technical personnel. The incumbent must maintain a satisfactory rating of performance for those procedures for which approval has been granted to the laboratory by the New York State Department of Health. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Performs environmental bacteriology analyses of natural and treated waters, wastewaters, estuarine waters, swimming pools and bathing places, dairy products, baby formula, restaurant swabs and food for sanitary quality utilizing prescribed standard methods;

Performs microscopic and macroscopic examinations of natural and treated waters;

Examines food samples and suspected food outbreak specimens for sanitary quality and fecal contamination;

Instructs summer staff in the performance and interpretation of environmental bacteriology examinations;

Compiles, evaluates and interprets the results of examinations insuring the adherence to quality control standards;

Assists with sorting, numbering and preparing specimens for required tests;

Maintains assigned areas, instrumentation and equipment in a clean and safe manner and at operational readiness;

Maintains adequate inventories of laboratory equipment and supplies;

Participates in the New York State Department of Health proficiency testing programs in the assigned area of discipline;

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 appropriate laboratory procedures, techniques and safety precautions; good knowledge of the principles and practices of environmental bacteriology; good knowledge of environmental laboratory terminology; good knowledge of the microscope; knowledge of current developments in environmental laboratory science; skill in the use, operation and care of laboratory equipment; ability to perform prolonged microscopic examinations; ability to research new methods and procedures and to prepare reports of findings; ability to compile and present data in a clean and concise manner; ability to communicate effectively both orally and in writing; ability to follow detailed oral and written instructions; ability to supervise the work of subordinate laboratory personnel; 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; dependability; initiative; judgment; integrity; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A Bachelor's Degree\* in a Biological Science and one year of environmental bacteriology laboratory experience in a recognized 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 Department of Education as a post-secondary, degree-granting institution.

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

West. Co.  
J. C.: Competitive  
SAS51

Job Class Code: C2200  
Job Group: X