

BIOLOGIST, SENIOR

KIND OF WORK

Complex biological research work related to pollution control programs.

NATURE AND PURPOSE

An employee in this class designs and directs biological surveys that have statewide impact in the development of water quality standards. Responsibility extends to providing lead work direction and training for professional and technical staff, managing project budgets, and developing and making final technical recommendations. Employees in the class may serve as a staff technical expert in a specific biological research area. Assignments are broad in nature and allow extensive latitude in applying professional judgment and experience to carry out responsibilities. Work is reviewed in terms of results achieved through periodic conferences and reports to the supervisor.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Designs and directs water quality surveys and studies so that water quality of lakes and streams can be assessed.

Provides technical review of methodology, results and recommendations of investigation studies so that they are accurate and consistent with the agency policies and procedures.

Prepares and/or presents technical information, testimony or material for consideration by the Pollution Control Agency Board, Hearing Examiner or the public so that a sound scientific basis is provided for decisions.

Directs training of professional and technical staff in research policies, procedures and techniques so that studies conform with Pollution Control Agency guidelines and scientific principles.

Reviews all technical components of variance requests for phosphorus removal and prepare final recommendations and testimony so that all environmental aspects are considered in the decision-making process.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Extensive knowledge of current literature pertaining to specialized areas of studies under review.

Thorough knowledge of principles, practices and techniques of water quality biological surveys and investigations.

Thorough knowledge of pollution control programs, standards, rules, and regulations.

Ability to:

Ability to plan and direct biological research projects.

Ability to analyze complex data and develop technically sound recommendations and solutions to water quality problems.

Ability to communicate effectively verbally and in writing.

Est.: 10/18/72
Rev.: 10/82

T.C.:
Former Title(s):