

BIOLOGIST, INTERMEDIATE

KIND OF WORK

Advanced professional biological investigative work related to pollution control programs.

NATURE AND PURPOSE

An employee in this class is responsible for designing and conducting specific biological research activities and studies that have regional or limited statewide impact. Employees in the class analyze, interpret and present study results and reports. On larger studies, the employee may have lead work responsibility over other professional or technical staff. Assignments are broad in nature and allow considerable latitude in using professional judgment and experience to complete responsibilities. Work may be reviewed for technical content by a Senior Biologist or other higher level employee. General supervision is provided through periodic conferences and examination of reports.

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 conducts biological investigations and studies in order to collect biological data and assess water quality of lakes and streams.

Prepares summaries of investigations and develops recommendations on possible mitigative actions so that water pollution is abated or reduced.

Conducts bioassays and toxicity testing on selected industrial and municipal effluents so that water quality can be accurately documented and assessed.

Provides biological and toxicological technical expertise in developing effluent limits so that the discharge of toxic pollutants is adequately controlled through the permit process.

Reviews phosphorus variance requests and initiates necessary studies so that variances are resolved without causing deterioration of water quality.

Assists in preparing technical information for presentation at public hearings so that a sound scientific basis is provided for decisions.

Assists in training professional and technical staff in investigation techniques and procedures to ensure investigations are conducted in accordance with accepted biological principles and established agency guidelines.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

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

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

Considerable knowledge of pertinent current literature of the specific biological area under review.

Ability to:

Ability to design and conduct biological research studies that are both relevant and cost-effective.

Ability to assemble research material and scientific data, develop alternative recommendations, and present them in a logical and comprehensive manner.

Ability to deal effectively with staff, industry representatives, government officials, and the public.

Ability to coordinate work activities with other disciplines in the Pollution Control Agency and other governmental jurisdictions.

Ability to communicate effectively verbally and in writing.

Est.: 10/82
Rev.:

TC:
Former Title(s):