

Environmental Specialist

Job Code	Job Title	Pay Grade
8500C3	Environmental Specialist	31

CONCEPT:

The primary duty of employees in this job class requires the professional scientific analysis of environmental data to identify potential threats to the environment and develop solutions for mitigating and minimizing the potential impact of hazards environment. The level of scientific analysis and problem solving performed by the employees in this class requires advanced, specialized formal education covering scientific principles rather than applying technical knowledge attained through experience or on-the-job training; or the application of program based knowledge, regulations, and guidelines.

TASKS:

- Studies and documents quantities, distribution, and disposition of environmental factors.
- Studies environmental issues, including risks and the impact on environmental habitats.
- Collects and analyzes samples as part of field investigations or to validate data from automatic monitors.
- Applies research findings to help minimize the environmental impacts of pollution, diseases, erosion, sedimentation, etc.
- Compiles, analyzes, and interprets statistical, and economic data obtained from literature reviews, special surveys and reports to identify and substantiate specific environmental problems.
- Designs or modifies methods of conducting scientific environmental studies.
- Installs, maintains, and calibrates instruments or equipment.
- Evaluates environmental research/scientific data in terms of its impact, scope and forecasting.
- Oversees contractors, exploratory borers, drillers and engineers. Enforces rules regarding environmental activities.
- Administers state regulatory plant pathology, entomology, or weed program. Documents plant disease, entomology, and weed activity. Recommends solutions to mitigate economic and environmental impacts.
- Compiles, analyzes, and interprets the results of environmental chemical, biological, geological, or hydrological tests, as necessary to identify and substantiate specific problems or undesirable trends.
- Identifies and recommends solutions for unusual and complex technical problems associated with the development and operation of environmental facilities.
- Prepares scientific reports and correspondence based upon environmental observations and data.
- Provides scientific recommendations for corrective action in decisions regarding identification of specific environmental problems.
- Gathers, evaluates, and interprets environmental data for sources to determine ambient conditions, trending, and cause and effect relationships between contamination sources and impacts.
- Analyzes data to determine validity, quality, and scientific significance, and interprets correlations between human activities and environmental effects. Communicates scientific and technical environmental information to public, organizations, or internal audiences, through briefings, written documents, workshops, conferences, training sessions, or public hearings.

LEVELS OF WORK

- Class Group consists of one class.

Minimum Requirements:

A bachelor's degree in environmental science with an emphasis on biology, chemistry, geology or a related natural science.

NC: 9/15

REV: 6/23