



New Mexico State Personnel Office

2600 Cerrillos Road
Santa Fe, New Mexico 87505-0127

Classification Description

ENVIRONMENTAL SPECIALISTS (NL)

Class Title	Class Code	Pay Band	Alt Pay Band*
Environmental Specialists (NL)-B	E2082B	60	65
Environmental Specialists (NL)-O	E2082O	65	70
Environmental Specialists (NL)-A	E2082A	70	75

**In accordance with SPB Rule 1.7.4.10 NMAC, the assignment to alternative pay bands shall be reviewed annually to determine their appropriateness.*

Occupation Description

Design, plan or perform engineering duties in the prevention, control and remediation of environmental health hazards utilizing various engineering disciplines. Work may include waste treatment, site remediation, or pollution control technology.

Nature of Work

Environmental Specialists use the principles of biology and chemistry to develop solutions to environmental problems. They are involved in water and air pollution control, recycling, waste disposal, and public health issues. Environmental Specialists conduct hazardous-waste management studies in which they evaluate the significance of the hazard, advise on its treatment and containment, and develop regulations to prevent mishaps. They design municipal water supply and industrial wastewater treatment systems, conduct research on the environmental impact of proposed construction projects, analyze scientific data, and perform quality-control checks. Environmental Specialists are concerned with local and worldwide environmental issues. Some may study and attempt to minimize the effects of acid rain, global warming, automobile emissions, and ozone depletion. They also may be involved in the protection of wildlife. Many Environmental Specialists work as consultants, helping their clients to comply with regulations, prevent environmental damage, and clean up hazardous sites.

Distinguishing Characteristics of Levels

Note: Examples of Work are intended to be cumulative for each progressively higher level of work. The omission of specific statements does not preclude management from assigning other duties which are reasonably within the scope of the duties.

Basic

- Employees in this Role perform standardized engineering work in defense of New Mexico's environmental quality.

Recommended Education and Experience for Full Performance

Bachelor's Degree in Environmental Science, Animal Science, Natural Science, Biological Science, Physical Science or Chemistry and two (2) years of experience in environmental science, animal science, natural science, biological science, physical science and/or chemistry.

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Minimum Qualifications

Associate's Degree in Environmental Science, Animal Science, Natural Science, Biological Science, Physical Science and/or chemistry and two (2) years of work experience in environmental science, animal science, natural sciences, biological science, physical science and/or chemistry. Any combination of education from an accredited college or university in a related field and/or direct experience in this occupation totaling four (4) years may substitute for the required education and experience.

Operational

- Employees in this Role independently perform technical engineering work in defense of New Mexico's environmental quality.
- Employees conduct supplementary investigations, research and surveys, issue permits and approvals, and monitor and/or participate in on-site inspections, both during and after construction of water quality/supply or air pollutant sources to ensure adherence to approved plans.

Recommended Education and Experience for Full Performance

Bachelor's Degree in Environmental Science, Animal Science, Natural Sciences, Biological Science, Physical Science or Chemistry and four (4) years of experience in environmental science, animal science, natural science, biological science, physical science and/or chemistry .

Minimum qualifications

Bachelor's Degree in Environmental Science, Animal Science, Natural Science, Biological Science, Physical Science or Chemistry and two (2) years of experience in environmental science, animal science, natural sciences, biological science, physical science and/or chemistry. Any combination of education from an accredited college or university in a related field and/or direct experience in this occupation totaling six (6) years may substitute for the required education and experience.

Advanced

- Employees in this Role perform engineering work in defense of New Mexico's environmental quality.
- Employees review operation and maintenance manuals, costs estimates, progress reports, and design change orders.

Recommended Education and Experience for Full Performance

Bachelor's Degree in Environmental Science, Animal Science, Natural Science, Biological Science, Physical Science or Chemistry and six (6) years of experience in environmental science, animal science, natural science, biological science, physical science and/or chemistry .

Minimum Qualifications

Bachelor's Degree in Environmental Science, Animal Science, Natural Science, Biological Science, Physical Science or Chemistry and four (4) years of experience in environmental science, animal science, natural science, biological science, physical science and/or chemistry .Any combination of education from an accredited college or university in a related field and/or direct experience in this occupation totaling eight (8) years may substitute for the required education and experience.

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Knowledge and Skills

*Note: This information has been produced by compiling information and documentation provided by O*NET. O*NET™ is a trademark of the U.S. Department of Labor, Employment and Training Administration.*

Knowledge

Engineering and Technology — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.

Design — Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.

Customer and Personal Service — Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

Physics — Knowledge and prediction of physical principles, laws, their interrelationships, and applications to understanding fluid, material, and atmospheric dynamics, and mechanical, electrical, atomic and sub- atomic structures and processes.

Chemistry — Knowledge of the chemical composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, danger signs, production techniques, and disposal methods.

English Language — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Mathematics — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

Administration and Management — Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

Law and Government — Knowledge of laws, legal codes, court procedures, precedents, government regulations, executive orders, agency rules, and the democratic political process.

Building and Construction — Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.

Skills

Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Speaking — Talking to others to convey information effectively.

Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

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Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Systems Analysis — Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.

Writing — Communicating effectively in writing as appropriate for the needs of the audience.

Science — Using scientific rules and methods to solve problems.

Operations Analysis — Analyzing needs and product requirements to create a design.

Statutory Requirements: This is a non-licensed occupation.

Conditions of Employment: Working Conditions for individual positions in this classification will vary based on each *agency's utilization, essential functions, and the recruitment needs* at the time a vacancy is posted. All requirements are subject to possible modification to reasonably accommodate individuals with disabilities.

Default FLSA Status: Exempt. FLSA status may be determined to be different at the agency level based on the agency's utilization of the position.

Bargaining Unit: This position may be covered by a collective bargaining agreement and all terms/conditions of that agreement apply and must be adhered to.

Established: 07/07/2001 **Revised:** 9/20/2011

**Adapted from the United States Bureau of Labor Statistics and are intended to illustrate the typical education and experience required for this occupation.*

Note: Classification description subject to change. Please refer to the SPO website www.spo.state.nm.us to ensure this represents the most current copy of the description.