

GEOLOGIST 4

Nature of Work

Under administrative direction, performs highly skilled expert level professional geologic work. Duties may include project management and supervision of professional and technical personnel. May involve the direct input of geologic expertise on various mining issues, highway projects and engineering problems. Performs as a geologic witness before State Boards, State Courts and Federal Court. Work is performed in the office and field, with statewide travel/expertise needed to accomplish agency objectives. A wide latitude for independent judgment and training/mentoring of subordinate geologists is required, within general agency objectives. Performs related work as required.

Distinguishing Characteristics

This is the expert level of the Geologist series. This classification is distinguished by the expert level of work in a specialized role of considerable difficulty involving responsibility for researching multiple, complex issues.

Examples of Work

Serves at the expert level providing expertise on complex geology issues.

Makes expert geologic interpretation of data obtained from field monitoring devices, laboratory tests and surveys.

Plans and organizes research and policy formation projects.

May supervise the work of the agency's subordinate geologists and various technical/scientific personnel.

May conduct peer reviews of the professional geologic staff for accuracy and consistency.

Interfaces with the agency's legal staff on the agency's position on geologic issues.

Represents the agency in providing information and programs to the public on geologic issues.

Trains subordinate geologists, technical personnel and inspection personnel on geologic issues critical to the agency's mission.

Knowledge, Skills and Abilities

Knowledge of complex and broad areas of geology on a statewide basis.

Knowledge of current research in the area of assignment.

Ability to evaluate the work of junior geologists and technical/scientific personnel.

Ability to provide solutions and corrections to a wide variety of mining, highway construction, engineering and other complex design problems.

Excellent verbal and written skills to describe internally and advance externally the agency's position to the public, courts and other state and federal agencies.

Knowledge of techniques and methods used in research.

Knowledge of state regulations and their application.

Ability to apply geologic, laboratory, scientific and engineering solutions and techniques to complex field issues.

Ability to interpret geologic, scientific, engineering and laboratory data.

GEOLOGIST 4 - Cont'd.

Minimum Qualifications

Training: Bachelor's degree from an accredited four-year college or university with a major in Geology.

Experience: Six years of full-time or equivalent part-time paid professional experience in geology, soil mechanics, or related field.

Substitution: Master's Degree in Geology from an accredited college or university may substitute for two years of the required experience on a year-for-year basis; OR a Doctorate in Geology from an accredited college or university may substitute for four years of the required experience on a year-for-year basis.

Select Certification – Areas of Assignment: Applicant must have completed (6) semester hours or have (1) year of professional geologic experience in the area of specialization to be eligible.

Select Certification may be requested in the following six (6) areas of specialization: (1) Coal Geology; (2) Environmental Geology; (3) Hydrology, Water Resources Geology, Hydrogeology/Groundwater Geology; (4) Petroleum Geology; (5) Land Reclamation and Soil Geology; (6) Structural Geology.

Established: 08/17/2007

Effective: 10/01/2007