

GEOLOGIST 1

Nature of Work

Under general supervision, performs professional work at the entry level providing a variety of basic geologic services concerned with the composition and physical and biological structure of the earth. Facilitates review activities in the areas of archeology, mining, construction, and/or environmental preservation or impact. May require frequent travel and field work. Performs related work as required.

Distinguishing Characteristics

This is the entry level in the Geologist series. The geologic services performed are basic and of limited complexity. There is little or no latitude to vary methods or procedures. Work is frequently of a basic and recurring nature.

Examples of Work

- Installs and monitors various equipment to obtain data on subsurface conditions.
- Collects, analyzes and catalogs geologic samples.
- Studies the location, character and quantity of geologic deposits.
- Updates geologic maps and combines historical survey reports from various sources into summaries/composites.
- Maps water flow, disposition or sediment, and ground absorption for environmental review of the effect of pollution events and/or stability of proposed projects.
- Assists in reviewing contamination assessment reports and proposals, remediation specifications, remedial action plans, closure plans and permit applications for appropriate environmental integrity.
- Participates in resistivity and seismic surveys.
- Compiles statistical data on the production and value of the State's geologic resources.
- Collects, verifies, loads and manipulates geologic data for survey monitoring and mapping.
- Interprets survey results and prepares findings reports.

Knowledge, Skills and Abilities

- Knowledge of the fundamental principles of geologic science.
- Knowledge of geological methods of collection, analysis and documentation of field data.
- Skill in the use of survey tools and equipment.
- Skill in the preparation of geologic maps.
- Skill in the reading and interpreting of topographic maps.
- Ability to learn data input and manipulation procedures using computer software packages.
- Ability to identify and classify rocks, minerals, fluids, soils and geologic information.

GEOLOGIST 1

Knowledge, Skills and Abilities (cont'd)

Ability to learn acceptable methods, procedures, and approaches to making a complete and satisfactory geologic investigation.

Ability to assemble data to prepare technical reports.

Ability to maintain records and document findings regarding investigations.

Ability to establish and maintain effective working relationships with co-workers, government officials, industrial representatives and the public.

Ability to communicate with others both orally and in writing.

Ability to walk long distances in adverse weather over rugged terrain.

Ability to lift and carry equipment for considerable distances.

Minimum Training and Experience Requirements

Training: Graduation from an accredited four-year college or university with a major in Geology.

Experience: None.

Select Certification-Areas of Assignment: Applicant must have completed six (6) semester hours or have one (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: 8/20/92

Revised: 9/16/93

Effective: 10/16/93