



COUNTY OF NYE

CLASS TITLE: GEOSCIENTIST I

BASIC FUNCTION:

This is the entry level in the class series. Positions at this level usually perform most of the duties required of the positions at the II level, but are not expected to function at the same skill level and usually exercise less independent discretion and judgment in matters related to work procedures, methods, and interpretations. Work is usually supervised while in progress and fits an established structure or pattern. Some previous directly related work experience, in which the applicant has demonstrated the required knowledge, skills, and abilities, is required.

Under the supervision of the Geoscience Manager or their designee, the employee in this position performs scientific and engineering field and office tasks, following written technical procedures where applicable. Major tasks include collection and analysis of data for various studies, reviewing and checking data and other deliverables generated by NWRPO technical contractors and staff to ensure compliance with the NWRPO Quality Assurance (QA) Program, and writing reports detailing the collection, analysis, and interpretation of data.

REPRESENTATIVE DUTIES: *(Performance of these functions is the reason the job exists. Assigned job tasks/duties are not limited to the representative duties).*

1. Analyze and interpret water level, borehole, geochemical, and geophysical data;
2. Participate in and lead field studies (e.g., geophysical surveys, water sampling, and aquifer testing);
3. Write reports summarizing the collection, analysis, and interpretation of data;
4. Review data entered into databases and submitted to the QA Records Center for accuracy and consistency;
5. Utilize various software packages (e.g., Surfer and Visual MODFLOW) to visualize and interpret data, illustrate trends, and build models;
6. Write QA procedures to govern the collection of data for various field activities, such as water sampling, drilling, and surface geophysical surveys;
7. Read, revise, and edit NWRPO technical reports to ensure accuracy and technical defensibility;
8. Research and investigate data and work products, as necessary, to ensure accuracy and technical defensibility;
9. Perform research and investigation functions, as needed, to identify appropriate equipment and supplies needed in field operations;
10. Supervise NWRPO contractors (e.g., instrumentation and pump contractors), as

directed, to meet NWRPO data collection requirements; and

11. Oversee the standardization and calibration of quality affecting field instrumentation, including water level meters and pressure and temperature monitoring equipment.

KNOWLEDGE, SKILLS, AND ABILITIES:

Ability and willingness to learn the NWRPO QA Program, with special emphasis on data collection and instrument calibration procedures and documentation; Knowledge of NWRPO technical objectives and field and laboratory approaches to meet these objectives; Interpersonal, instructional, and supervisory skills necessary to direct NWRPO field support contractors to meet data collection objectives; Ability to clearly and concisely document data collection related activities in scientific notebooks and on QA forms; Ability and skill to follow QA technical procedures and collect technically defensible data that meet stringent QA standards; Ability to analyze data and solve problems that impact daily operations; Knowledge and ability to review and check staff and contractor work products for accuracy and compliance with applicable guidelines; Ability and experience to work independently with a minimum of supervision; Ability and skill to use various software packages to visualize and analyze data, create graphs, and summarize data collection activities and trends.

EDUCATION AND EXPERIENCE:

Any combination of training, education, and experience that would provide the required knowledge and abilities. A typical way to gain the required knowledge and ability is: Four-year college degree in engineering, earth science, or a related field is required. Previous experience in which the applicant has demonstrated possession of the required level of knowledge, skills, and abilities.

LICENSES:

Valid Nevada Driver's License.

WORK DIRECTION, LEAD AND SUPERVISORY RESPONSIBILITIES:

May supervise NWRPO support contractors in the field.

CONTACTS:

Supervisor(s), co-workers, Nye County contractors, and Department of Energy (DOE) contractors.

PHYSICAL EFFORT:

The physical and mental requirements described here are representative of those that must be met by an employee to successfully perform the essential functions of the job.

Subject to physical effort on an on-going basis.

In compliance with applicable disability laws, reasonable accommodations may be provided for qualified individuals with a disability who require and request such accommodations. Incumbents and individuals who have been offered employment are encouraged to discuss potential accommodations with the employer.

WORKING CONDITIONS:

Work is performed under the following conditions: Subject to adverse field conditions

including long hours and hot, cold, windy, and dusty conditions.