



COUNTY OF NYE

CLASS TITLE: **GEOSCIENTIST III**

BASIC FUNCTION:

This position is the advanced journey level in the class series. Positions at this level are distinguished from the level I and II by the performance of the full range of duties as assigned, working independently and exercising judgment and initiative. Positions at the III level receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit. Positions in this class series are flexibly staffed and are normally filled by advancement from the II level, requiring three to five additional years of experience, and successful performance. When filled from the outside, the employee is required to have 10 years prior related experience, which allows the employee to meet the qualification standards.

Under the supervision of the Geoscience Manager, the employee in this position performs scientific and engineering field and office tasks similar to those specified for the Geoscientist I and II. In addition, the Geoscientist III assists the Geoscience Manager with program management functions, as directed, and supervises and mentors technical personnel during field studies and the analysis, interpretation, and modeling of data. The Geoscientist III will also serve as Principle Investigator (PI) for one or more technical programs/investigations.

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

1. All duties and responsibilities of the Geoscientist I & II as outlined in items 2-13 as well as the additional duties indicated in items 14-17.
2. Analyze and interpret water level, borehole, geochemical, and geophysical data;
3. Participate in and lead field studies (e.g., geophysical surveys, water sampling, and aquifer testing);
4. Write reports summarizing the collection, analysis, and interpretation of data;
5. Review data entered into databases and submitted to the QA Records Center for accuracy and consistency;
6. Utilize various software packages (e.g., Surfer and Visual MODFLOW) to visualize and interpret data, illustrate trends, and build models;
7. Write QA procedures to govern the collection of data for various field activities, such as water sampling, drilling, and surface geophysical surveys;
8. Read, revise, and edit NWRPO technical reports to ensure accuracy and technical defensibility;
9. Research and investigate data and work products, as necessary, to ensure

accuracy and technical defensibility;

10. Perform research and investigation functions, as needed, to identify appropriate equipment and supplies needed in field operations;
11. Supervise NWRPO contactors (e.g., instrumentation and pump contractors), as directed, to meet NWRPO data collection requirements; and
12. Oversee the standardization and calibration of quality affecting field instrumentation, including water level meters and pressure and temperature monitoring equipment.
13. Assists Geoscience Manager with supervision of geoscientists, technicians, and selected NWRPO contractors involved in field and lab data collection activities.
14. Developing and making oral technical presentations to the technical community, local government, and other interested parties.
15. Design aquifer and tracer tests, as well as other hydrogeologic studies, to address data gaps and aid in regional groundwater characterization.
16. Serve as PI for one or more long-term technical projects/investigations, from conceptualization and design through implementation and oversight stages.

FULL PERFORMANCE 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 NWPRO 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; Knowledge of principles, theories, and practices of hydrogeology in addition to accepted research methodologies and testing analysis; Ability to perform hydrogeologic research and analyze complex hydrogeologic and mathematical problems; Capability to manage multiple well drilling and completion projects, in addition to other field activities.

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. A postgraduate degree in one of these areas is preferred. Additional experience is required, as stated above, either with the NWRPO or from outside the NWRPO, in which the applicant has demonstrated possession of the above-specified level of knowledge, skills, and abilities.

LICENSES:

Valid Nevada Driver's License.

WORK DIRECTION, LEAD AND SUPERVISORY RESPONSIBILITIES:

Will assume management responsibilities for the NWRPO technical program in the absence of the Geoscience Manager.

CONTACTS:

Supervisor, co-workers, NWRPO contractors, NWRPO and DOE management personnel, and scientists and staff from DOE prime contractor, Los Alamos National Laboratory, Nuclear Regulatory Commission, Nuclear Waste Technical Review Board, State of Nevada, United States Geological Survey, University of Nevada Las Vegas and Reno, and other government and private organizations.

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.

Position routinely requires physical effort associated with an office environment. On occasion, may be asked to supervise and/or participate in field data collection activities that require some physical effort.

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: Primarily will work in an office environment. Occasionally may work in a field environment where conditions may be hot, cold, windy, and dusty.