



## COUNTY OF NYE

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### **CLASS TITLE: GEOSCIENTIST II**

#### **BASIC FUNCTION:**

This position is the journey level in the class series. Positions at this level are distinguished from the level I by the performance of the full range of duties as assigned, working independently and exercising judgment and initiative. Positions at this 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 positions are normally filled by advancement from the Geoscientist I level, requiring two to four years of experience and successful performance. When filled from the outside, the employee is required to have prior related experience, which allows the employee to meet the qualification standards.

Under the direction of the Geoscience Manager or designee, this position performs scientific and engineering field and office tasks similar to those specified for the Geoscientist I. At the II level, this position also gains some supervisory duties, overseeing the studies and analyses conducted by technicians and less experienced geoscientists.

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

1. The duties and responsibilities of the Geoscientist I as indicated in items 2-11 as well as the additional duties indicated in item 12-14.
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.

#### **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.

#### **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 is also required.

#### **LICENSES:**

Valid Nevada Driver's License.

#### **WORK DIRECTION, LEAD AND SUPERVISORY RESPONSIBILITIES:**

Assists the Geoscience Manager with supervision of geoscientists, technicians, and selected NWPRO technical contractors.

#### **CONTACTS:**

Supervisor, co-workers, NWRPO and Department of Energy (DOE) technical and support 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 ongoing 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.