



United Water Conservation District Job Description

Job Title: Associate Hydrogeologist
Salary Range: 27.0 Updated Date: November 2018
Department: Groundwater
Reports To: Groundwater Department Manager

Accepted By: _____
Associate Hydrogeologist (received copy) Date

Approved By: _____
Chief Engineer Date

Approved By: _____
General Manager Date

SUMMARY

Under the direction of the Chief Engineer, supervises and works in technical and field activities essential to the planning, acquisition, interpretation and evaluation of groundwater, surface water, and geologic data as it relates to the water.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Include the following. Other duties may be assigned.

- Supervises, assigns, and performs fieldwork associated with the collection of geologic, groundwater, surface water, and related hydrologic data. Compiles and analyzes data on groundwater conditions associated with groundwater basins within the District.
- Prepares detailed geologic maps and cross-sections associated with water resources within the District.
- Presents groundwater resources information and interpretation to various technical and non-technical groups.
- Generates annual reports and study reports (Surface Water and Groundwater Conditions, Water Quality, Piru/Fillmore Groundwater Management, Santa Paula Basin, Groundwater Conditions, and other technical reports).
- Generates monthly report to Directors.
- Assists in the development of groundwater studies.
- Provides technical groundwater information to the District, other governmental entities, public, and technical consultants.
- Represents the District at various meetings.

- Coordination of one or more departmental core activities (Water Quality, Water Quantity, Groundwater Modeling, GIS, and Database).
- Reviews CEQA documents to evaluate the potential impacts to water resources.
- Provides guidance to technicians with respect to data acquisition, data storage, and data manipulation.
- Prepares contour maps of groundwater levels and water quality.
- Assists with SGMA projects.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

Bachelor of Science degree (B.S.) in Geology or Hydrology from a four-year college or university; and five years experience as a Geologist or Hydrologist, with a minimum of four years experience in hydrogeology. An M.S. degree in Geology or Hydrology is desirable.

LANGUAGE SKILLS

Ability to read, analyze, and interpret complex documents. Ability to respond effectively to sensitive inquiries or complaints. Ability to write speeches and articles using original or innovative techniques or style. Ability to make effective and persuasive speeches and presentations on controversial or complex topics to top management, public groups, and/or boards of directors.

KNOWLEDGE OF

- Geology and hydrogeology.
- Principals of groundwater basin management.
- Groundwater modeling and aquifer analysis or water quality management and geochemistry.
- Word Processing, spreadsheets, database operations, and GIS.
- Concepts of borehole analysis.
- Contouring principles.
- Well construction technology.
- Unit Analysis.

ABILITY TO

- Supervise field staff and limited supervision of Junior Hydrogeologists.
- Assist in Project Planning.
- Work effectively with staff, public, consultants, and other governmental entities.
- Prioritize tasks.
- Meet Schedules.

MATHEMATICAL SKILLS

Ability to comprehend and apply principles of algebra, trigonometry, and geostatistics. Ability to comprehend calculus and potential theory.

REASONING ABILITY

Ability to apply principles of logical or scientific thinking to a wide range of intellectual and practical problems. Ability to deal with nonverbal symbolism (formulas, scientific equations, graphs, maps, etc.). Ability to deal with a variety of abstract and concrete variables.

CERTIFICATES, LICENSES, REGISTRATIONS

Possession of a valid California driver's license. Registration as a California Registered Geologist or registered as a Professional Hydrogeologist, or Professional Hydrologist-Groundwater, through the American Institute of Hydrology.

PHYSICAL REQUIREMENTS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- **Mobility:** Job tasks are varied and require standing, walking, sitting, climbing, bending, stooping, kneeling and crouching.
- **Lifting:** occasional lifting up to 20 pounds.
- Use hands to finger, handle, or feel; reach with hands and arms; talk or hear; and taste or smell.
- The employee is occasionally required to climb or balance and stoop, kneel, crouch, or crawl.
- Specific vision abilities required by this job include close vision, distance vision, and ability to adjust focus.
- **Dexterity:** occasional grasping, fine manipulation, reaching, pushing and pulling; occasional use of touch to distinguish or identify objects.
- **Hearing/Talking:** frequent hearing and talking, in person and on the phone.
- **Emotional/Psychological:** frequent contact with coworkers and others; depending on assignment, may also frequently work alone. The employee is also expected to respond in emergency situations.
- **Environmental:** exposure to moderate noise levels.