

JOB DESCRIPTION
Water Resources Technician III
Code Number: 28018

GENERAL PURPOSE

Under general direction, schedules, leads, and participates in the work of project staff in support of the District's groundwater management efforts; serves as representative between the District, private well owners, and others which is critical to the success of the groundwater monitoring program; and performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

The Water Resources Technician III class is the lead or advanced journey level class in the series. In the lead assignment, incumbents are expected to plan, budget, and conduct special projects and are responsible for taking the lead in the field to manage project staff. Incumbents interact with private well owners and external contacts to collect data and oversee the meter maintenance programs for the District's groundwater program.

Employees in this classification are subject to on-call, which may include rotating-duty schedule, weekends and 24-hour emergency call out with little or no notice. Any employee designated to serve on-call who repeatedly refuses to serve on-call, or report for emergencies, shall be subject to disciplinary action up to and including discharge.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to this class.

Plans, schedules, coordinates and leads field staff engaged in the operations of the District's imported water recharge facilities, surface water diversion facilities, and storm water capture facilities.

Researches, collects, assembles, integrates, and analyzes technical data pertaining to the District's Groundwater Monitoring programs including water levels, water quality, groundwater extractions, the Inactive Well Capping/Sealing Program, surface flow measurements, percolation testing, and other relevant information.

FLSA DETERMINATION: Non-exempt.

Oversees the Meter Maintenance Program, including troubleshooting, repair, and installation of meters on privately owned production wells.

Performs well and pump efficiency tests and troubleshooting on private wells; installs and maintains meters of various types and sizes on private wells to monitor the amount of water extracted from groundwater management zones.

Serves as a representative between the District and private well producers, Indian reservations and local water agencies; answers questions and provides information on District programs and projects; works with other District staff to formulate methods and approaches for addressing concerns of private well owners.

Performs surveying with global positioning system and transit and leveling rod to update and maintain accurate maps of District, private wells and facilities.

Provides data for use in the District's special projects including percolation testing, groundwater recharge monitoring, and well efficiency testing and troubleshooting.

Assists on special construction projects including the design, rebuilding, and maintaining of imported water recharge facilities and surface water diversion facilities.

Caps/seals inactive wells to help protect underground aquifers from contamination and ensure public safety.

Performs related duties as assigned.

DESIRED MINIMUM QUALIFICATIONS

Knowledge of:

Methods and practices of effective representation of District resource management interests; principles of field program management including applicable environmental and water quality standards and state and federal regulations related to groundwater monitoring; principles of operational hydrology, well construction and operation, water quality sampling techniques and groundwater acquisition programs; modern statistical techniques used in water resource planning and water quality analysis; quality control practices for water sampling; hydraulics and electricity; distributional piping and pumping systems and EMWD's reclaimed and water distribution systems; GPS surveying techniques including software and hardware; soil grading practices; pump design and operation; writing and communication skills; word processing and spreadsheet computer applications; field safety practices.

FLSA DETERMINATION: Non-exempt.

Ability to:

Plan, organize and lead projects and staff; train others; perform the groundwater research and data collection with a high degree of accuracy; understand water quality laws and regulations; accurately collect and compile data; troubleshoot sampling and pumping equipment; use surveying transit and GPS hardware/software; metal fabrication; light and heavy equipment operation; percolation, aquifer, and storm water testing; operate various electronic data collecting devices; establish and maintain effective working relationships with those contacted in the course of work; follow and apply written and oral work instructions; communicate effectively, orally and in writing; make sound independent judgments within established guidelines.

Training and Experience:

A typical way of obtaining the knowledge, skills and abilities outlined above is graduation from high school or G.E.D equivalent and a minimum of four years of experience in utility or public works facility performing water quality involving responsibilities which include groundwater management planning and performing water quality sampling, meter installation, repair and inspection, field research work and data collection; or an equivalent combination of training and experience.

Licenses; Certificates; Special Requirements:

A valid California driver's license class C and the ability to maintain insurability under the District's Vehicle Insurance Policy.

PHYSICAL AND MENTAL DEMANDS

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

Physical Demands

While performing the duties of this class, employees are regularly required to sit, stand and walk; talk or hear by telephone and in person; smell; use hands to finger, handle, feel or operate objects, tools or controls; and reach with hands or arms.

FLSA DETERMINATION: Non-exempt.

Specific vision abilities required by this job include close vision, distance vision, the ability to distinguish basic colors and shades, depth perception and the ability to adjust focus.

Employees must regularly lift and/or move up to 100 pounds.

Mental Demands

While performing the duties of this class, employees are regularly required to use oral and written communications skills; perform detailed and precise work; read documents or instructions; analyze and solve problems; observe and interpret data or information; use math and mathematical reasoning; learn and apply new information or skills; perform detailed and precise work; and meet time-sensitive deadlines.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of the job, the employee is frequently exposed to outdoor weather conditions.

FLSA DETERMINATION: Non-exempt.