

# EMPLOYMENT OPPORTUNITY



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## HYDROLOGY TECHNICIAN

### SALARY RANGE:

\$4668 - \$5603 per month

### RESPONSIBILITY:

To support the functions of the Hydrology Group by performing difficult technical assignments involving gathering, compiling, and analyzing data related to water supply planning, demand management, water quality; and to perform a variety of technical tasks related to operation and maintenance of water projects, technical databases, and surface and groundwater monitoring networks.

### DISTINGUISHING CHARACTERISTICS:

This is the technical level class within the Hydrology Group. It is distinguished from the Assistant Hydrologist by the performance of more routine tasks. These include manual labor related to surface & groundwater monitoring, water project operations, and equipment, facilities, and database maintenance duties. In contrast, the Assistant Hydrologist is the first level in the professional Hydrology series.

### SUPERVISION:

Reports to the Senior Hydrogeologist and receives direction from the Hydrography Programs Coordinator and Associate Hydrologist.

### EXAMPLES OF DUTIES:

- \* Assists the Hydrography Programs Coordinator by measuring and calculating stream flow; use current meters in all types of weather; maintain field notes in book and computer.
- \* Assists the Hydrography Programs Coordinator with installation and maintenance of stream flow gauging stations.
- \* Assists the Associate Hydrologist by measuring depth to water in wells throughout the District; maintain well monitoring equipment and monitor sites.
- \* Assists the Associate Hydrologist with installation and maintenance of groundwater quality and level sampling equipment.
- \* Assists the Associate Hydrologist with the well reporting program and read meters.
- \* Assists the Senior Hydrogeologist with water projects operations and maintenance; collect water quality field data and water quality samples; deliver to lab and enter field data into computer.
- \* Retrieves data from and maintain weather stations, pressure transducers, and data loggers; connect to modem or lap top computer, convert and enter data; produce report.
- \* Estimates time, materials and equipment required for jobs assigned; requisition materials as required.
- \* Performs related duties and responsibilities as required.

**DESIRABLE QUALIFICATIONS:*****Knowledge of:***

- \* Operations, services and activities of a well production monitoring program.
- \* Principles and practices of hydrologic, climatic, geologic and biologic science.
- \* Computer applications related to hydrology including data management, word processing and report writing.
- \* Mathematics and statistics.
- \* Methods and techniques of soil sampling.
- \* Basic drafting methods, techniques and tools.
- \* Proper and safe use of hand and power tools.
- \* Basic carpentry, pipe fitting and cement working techniques.
- \* Laws and regulations relating to wells, water distribution, water production, fisheries, and riparian environments.
- \* Basic stream sedimentation and erosion processes.
- \* Water quality sampling protocols.
- \* Global positioning satellite systems for mapping.
- \* Chain of custody forms.
- \* Operation of pumps and water meters.
- \* Occupational hazards and standard safety practices.
- \* Geographic information systems software.
- \* 12 volt battery systems and power budgets.

***Ability to:***

- \* Develop and maintain databases and spreadsheets.
- \* Accurately collect, compile, and analyze data.
- \* Install, operate and maintain stream flow gauging stations.
- \* Measure all ranges of stream flow and compute continuous stream flow records.
- \* Troubleshoot electrical and mechanical equipment.
- \* Utilize a computer terminal for data management, data processing and word processing.
- \* Operate equipment in a safe and effective manner.
- \* Perform instrument calibration.
- \* Use proper techniques to acquire water quality samples.
- \* Complete chain of custody forms for water quality and biological samples.
- \* Operate GPS equipment to locate wells and other monitoring sites.
- \* Work independently in the absence of supervision.
- \* Understand and follow oral and written instructions.
- \* Communicate clearly and concisely, both orally and in writing.
- \* Establish and maintain effective working relationships with those contacted in the course of work.
- \* Operate land survey equipment.
- \* Maintain physical condition appropriate to the performance of assigned duties and responsibilities.

***Experience and Training:***

Any combination of experience and training that would provide the required knowledge and abilities for the Hydrology Technician is qualifying. A typical way to obtain the knowledge and abilities would be:

**Experience:** One year of responsible experience performing duties involving water supply projects, hydrology, or water resource management is desirable.

**Training:** Equivalent to a Bachelor's degree from an accredited college or university with major course work in hydrology, geology, environmental sciences, engineering or a related field.

**License or Certificate:**

Possession of, or ability to obtain, an appropriate, valid driver's license.

**TO APPLY:**

The required job application, supplementary questionnaire and filing information can be downloaded from the Human Resources section of the District's web site at <http://www.mpwmd.net>. Send completed application materials by US Mail to PO Box 85 Monterey, CA 93942-0085. Send by UPS or FEDEX to 5 Harris Court, Building G, Monterey, CA 93940. The application form may also be submitted as a scanned document, in PDF format, attached to an e-mail sent to [cynthia@mpwmd.net](mailto:cynthia@mpwmd.net), with the completed supplemental questionnaire and resume as attachments. This position is open until filled. However, the first review of candidates will take place November 21-23, 2016. Call Cynthia Schmidlin at (831) 658-5613 e-mail: [cynthia@mpwmd.net](mailto:cynthia@mpwmd.net) for further information.

**SELECTION PROCESS:**

During the first application review period, a screening panel will review applications, and those applicants with the most appropriate qualifications will be invited to appear before an interview panel, tentatively set to meet on or about December 2, 2016. If a selection is made from this group, the position will be closed.

The District will make reasonable efforts in the examination process to accommodate applicants with disabilities. Please advise the District of such special needs at the time of application. MPWMD IS AN EQUAL OPPORTUNITY EMPLOYER

**EMPLOYEE BENEFITS:**

Insurance: Laborer's Health and Welfare Trust Special Plan III, including Blue Cross Prudent Buyer medical insurance coverage, Delta Dental, and Vision Services Plan. The premium for both employee and dependents is 95% paid by the District. The District also provides an employee assistance plan, life, long-term, and short-term disability insurance.

Retirement: California Public Employees' Retirement System (CalPERS). Classic Members: CalPERS 2% at 55 benefit formula. Employees currently contribute 3% of salary to the employee's contribution and 3% to the employer's contribution. The District pays 4% of the employee's contribution, which is reported to CalPERS as income for retirement benefit purposes. New Members: CalPERS 2% at 62 benefit formula. The employee contribution is 6.25% of salary. The District does not participate in Social Security.

Vacation: 1 – 3 years - 10 days/year; 4 – 8 years - 15 days/year; 8 years and above - 20 days/year

Compensatory Time: Exempt employees, such as those in the Engineer job series, earn 1 hour of compensatory time for each pre-approved hour worked over 40 hours in a week.

Sick Leave: 12 days per year with payout up to 240 hours and conversion to CalPERS retirement credit.

Holidays: 11 paid regular holidays and 2 paid floating holidays.

Retiree Medical Coverage: Provided through the Retired Laborers Plan. Retirees with 5 to 15 years of District service are currently reimbursed up to \$540/month towards premiums. Retirees with 15 years of District service or more are currently reimbursed up to \$1149/month towards premiums.

Other Benefits: Other benefits offered by the District include tuition reimbursement, a Wellness program, a deferred compensation program, AFLAC supplemental insurance, and a flexible spending plan with insurance premiums, unreimbursed medical expenses and child or dependent care expenses paid with pre-tax salary dollars.

**ABOUT THE MPWMD:**

The Monterey Peninsula Water Management District was established in 1978 for the purposes of conserving and augmenting the supplies of water available to the District service area by integrated management of surface and ground water and promotion of water conservation and reclamation, and for preventing the degradation of the area's natural resources. The mission of the Monterey Peninsula Water Management District is

to promote or provide for long-term sustainable water supply, and to manage and protect water resources for the benefit of the community and the environment.

**IMPORTANT INFORMATION:**

The information contained in this announcement is subject to change and does not constitute an expressed or implied contract. The District will make reasonable efforts in the examination process to accommodate persons with disabilities. Please advise the District of such special needs at the time of application. MPWMD IS AN EQUAL OPPORTUNITY EMPLOYER.