

EXHIBIT 2-A

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT HYDROLOGY TECHNICIAN

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

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. This class is distinguished from the Assistant Hydrologist by the performance of more routine tasks including manual labor related to surface and 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 RECEIVED AND EXERCISED

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

ESSENTIAL AND MARGINAL FUNCTION STATEMENTS

The following duties are typical for a position in this classification. Any single position may not perform all of these duties and/or may perform similar related duties not listed here:

Essential Functions:

1. Assist 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.
2. Assist the Hydrography Programs Coordinator with installation and maintenance of stream flow gauging stations.
3. Assist the Associate Hydrologist by measuring depth to water in wells throughout the District; maintain well monitoring equipment and monitor sites.
4. Assist the Associate Hydrologist with installation and maintenance of groundwater quality and level sampling equipment.
5. Assist the Associate Hydrologist with the well reporting program and read meters.
6. Assist 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.
7. Retrieve data from and maintain weather stations, pressure transducers, and data loggers; connect to modem or lap top computer, convert and enter data; produce report.

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8. Estimate time, materials and equipment required for jobs assigned; requisition materials as required.
9. Perform related duties and responsibilities as required.

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 Guidelines — *Any combination of experience and training that would likely provide the required knowledge and abilities 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.

WORKING CONDITIONS

The conditions herein 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 job functions.

Environmental Conditions:

Office and field environment; work in and around water; exposure to all types of weather and temperature conditions; exposure to poisonous plants, animals, and/or insects; work closely with others and work alone; irregular work hours; exposure to computer screens, atmospheric conditions, and slippery and uneven conditions; working with machinery.

Physical Conditions:

Essential and marginal functions may require maintaining physical condition necessary for moderate to heavy lifting and carrying; walking on steep and uneven terrain, standing and sitting for prolonged periods of time; bending, climbing and reaching; operating motorized vehicles and equipment.

Vision:

See in the normal visual range with or without correction; specific vision abilities required by this job include close and distance vision, color perception and depth perception.

Hearing:

Hear in the normal audio range with or without correction.