DEFINITION
Under supervision of the (Water Supply) Engineering Supervisor, performs a variety of technical tasks related to the movement of large amounts of water through diversion facilities and fish passage and screening facilities into the groundwater system; monitors and operates manual and automated controls to regulate the flow of raw water into groundwater recharge facilities to ensure timely diversion of water supplies; conducts field activities related to watershed protection and surveillance; and performs other related work as required.

DISTINGUISHING CHARACTERISTICS
Water Controller I is the entry-level in the Water Controller series. Under close to general supervision within a framework of established policies and procedures, incumbents perform a variety of routine, but moderately difficult technical tasks related to the movement of large amounts of water through the District’s diversion and fish passage and screening facilities. Assignments are given in specific terms and are subject to frequent review while in progress and upon completion, except where tasks are well defined by established standards, policies and procedures. As experience and proficiency are gained, assignments become progressively more diversified and difficult with less supervision.

This class is distinguished from the journey-level Water Controller II class by the more routine nature and lesser complexity of work assignments and the higher level of supervision received. Incumbents normally advance to the Water Controller II classification after gaining requisite experience and proficiency to meet the job requirements of the journey-level classification, three years of sustained satisfactory performance at the first level of the classification series, and upon recommendation and approval of departmental supervisory and management staff.

Water Controller II is the journey level in the Water Controller series. Under general supervision within a framework of established policies and procedures, incumbents perform the full range of more difficult and complex technical tasks related to the movement of large amounts of water through the District’s diversion and fish passage and screening facilities. Assignments are given in general terms and are subject to periodic review while in progress and upon completion. There is considerable latitude for initiative, independent judgment and action within established guidelines.

This class is distinguished from the entry-level Water Controller I class by the complexity of work assignments, the potential impact of error, the level of independence with which assignments are performed and the limited level of supervision received.

TYPICAL DUTIES
TYPICAL EXAMPLES OF DUTIES MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- Operates inflatable rubber dams and regulates flow through pumps, diversion structures, fish passage and screening facilities to maintain optimum water flows and elevations in the District’s recharge ponds and downstream of the District's facilities in Alameda Creek.
• Monitors upstream watershed conditions to determine proper regulation of in-stream storage capacity and off-stream diversion rates to enable the capture of maximum amounts of water while complying with all conditions of the District's water rights permits and current environmental requirements; makes field decisions regarding release or capture of water to assure that facilities are not damaged during periods of moderate to high water flow.

• Uses a computer to access upstream flow and rainfall data, monitor status of and flow through the District's Alameda Creek facilities using SCADA systems, and input field operations data.

• Patrols groundwater percolation and watershed areas to determine the structural conditions of channels, dams, levees and other water impoundment, diversion, and fish screening and passage facilities.

• Assists in the preparation of watershed sanitary survey and conducts ongoing watershed surveillance to identify point and non-point discharge; provides assistance in monitoring and follow up of corrective action.

• Records changes in water levels and flow rates; monitors stream gauging stations for accuracy; assists in the design, implementation and operation of monitoring and control systems for creek and pond flows.

• Conducts routine and special water quality sampling using both manual and automated techniques.

• Patrols creek and recharge areas and coordinates with law enforcement agencies to control trespassing and illegal activities in the recharge areas and the watershed.

• Performs field maintenance on stream banks and recharge facilities in compliance with current environmental requirements and may direct minor maintenance, repair and construction activities on ponds, dams, levees and channels.

• Repairs or assists with minor repairs and maintenance of fish screening and passage facilities and other groundwater recharge facilities and equipment.

• Performs other related work as required.

REQUIREMENTS
Any combination of education and experience that would likely provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the knowledge, skills, and abilities would be the equivalent of:

Education and Experience:
High school diploma or its equivalent and

Water Controller I: Two years of experience in operations or maintenance work that would provide familiarity with water production or distribution activities and operations; college or technical school course work in engineering or a field related to the work is desirable and may be substituted for the required experience on a year for year basis, up to a maximum of one
year.

**Water Controller II:** Three years of full-time work experience performing duties equivalent to the District’s Water Controller I.

**Knowledge, Skills and Abilities:**

Knowledge of: water supply characteristics, control structures and watershed terrain; operating principles of valves, pumps, meters, fish screens, fish ladders and other mechanical devices found in a raw water diversion and groundwater percolation system; hydrographic calculations and engineering conversions; computer and other standard office equipment and software applications; pertinent federal, state and local codes, laws and regulations; safety precautions related to work.

Skill and Ability to: recognize unusual operating conditions and take appropriate action; be extremely observant of all field conditions; identify and report accurately all pertinent data; read and interpret meters, gauges and various recording devices accurately; anticipate possible changes in stream flow, water levels, and fish ladder operations and independently take appropriate action to control the water and fish ladder flows; communicate with other area water users and the general public with tact and diplomacy; rapidly and accurately perform simple hydrographic calculations and engineering conversions; prepare clear and concise reports and maintain accurate and complete records (paper and electronic) of operating conditions; effectively operate computer and work-related software for recordkeeping and facility operation; work long hours alone or with others under all types of weather conditions; establish and maintain effective working relationships with those contacted in the course of the work; and perform the essential functions of the job without causing harm to self or others.

**Additional Requirements:**

- Must possess a valid California driver’s license and have a satisfactory driving record

**Working Conditions/Physical Requirements:**

The essential duties of the job are performed outdoors under various climatic and geographic conditions with potential exposure to dust, allergens, and other environmental substances; and requires the ability to work after hours, overtime, holidays and weekends on a set schedule; to hear and talk to receive and communicate information; to use hand strength and finger dexterity to perform simple grasping and fine manipulation; to see to distinguish color differences; to safely operate a vehicle; to stand for long periods of time; to walk, bend, and squat; and to perform work activities with hands in and out of water.

Revised: 07/12

Approved: [Signature]

Human Resources/Risk Manager