Classification: Water Resource Control Engineer
Position Number: 880-150-3846-119

DUTY STATEMENT

☐ **CURRENT** ☒ **PROPOSED**

RPA Number: 23-150-115	**Classification Title:** Water Resource Control Engineer	**Position Number:** 880-150-3846-119
Incumbent Name: Vacant	**Working Title:** Water Resource Control Engineer	**Effective Date:** May 2024
Tenure: Permanent	**Time Base:** Full-Time	**CBID:** R09
Division/Office: Central Valley Regional Water Quality Control Board/Rancho Cordova	**Section/Unit:** Mercury Metals TMDLs	
Supervisor's Name: Lauren Leles	**Supervisor's Classification:** Senior Environmental Scientist (Supervisory)	

Human Resources Use Only:	
HR Analyst Approval:	**Date:**

General Statement

Under the close supervision of a Senior Environmental Scientist (Supervisory) and consistent with good customer service practices and the goals of the State and Regional Board's Strategic Plan, the incumbent is expected to be courteous and provide timely responses to internal/external customers, follow through on commitments, and to solicit and consider internal/external customer input when completing work assignments.

Position Description	
Under the close supervision of the Senior Environmental Scientist (Supervisory), the Water Resource Control Engineer performs engineering duties related to the water quality programs of the Board; conducts investigations, inspections, studies, and preparation of surveys and reports; conducts, work related to the implementation of Federal and State water quality laws and policies; advises and consults with Federal and local agencies involved in water quality control, often involving extensive public and professional contacts. Program Objectives: The Basin Planning program provides the foundation for all Regional Board regulatory actions by establishing and updating the regulatory frameworks and programs that will preserve and enhance water quality and protect beneficial uses of water for the maximum benefit of the people of California. The Clean Water Act requires States to develop a list of surface water bodies that do not meet water quality standards and to establish pollutant load reduction targets (total maximum daily loads, or TMDLs) or equivalent alternative control programs necessary to attain water quality standards. The goal of the TMDL program is to protect and restore surface waters through water quality assessments that identify impairments and development of TMDLs, control programs, and implementation plans that address those impairments.	
Essential Functions (Including percentage of time):	
40%	The incumbent will perform staff level activities associated with the development of regulations for controlling pollutant discharges and other stressors impacting water quality in the Central Valley Region. Using engineering knowledge, prepare technical staff reports in support of the development and implementation of Basin Plan amendments and TMDLs addressing water quality impairments in the Central Valley Region. Document water quality impairments, evaluate alternative regulatory and non-regulatory actions, and provide information supporting proposed regulatory control programs. Identify and evaluate pollutant sources and factors contributing to water quality impairments. Develop numeric targets to protect water quality. Establish mathematical linkages to determine reductions needed to meet the water quality targets. Determine TMDL load and waste load allocations. Analyze economic costs and environmental impacts of potential regulations. Complete modeling, hydrologic analysis, pollutant fate analysis, pollutant loading calculations, analysis of technologies, practices, and potential engineering solutions to control discharges of waste and their potential for pollutant reductions, and other engineering evaluations and calculations needed to support developing and implementing TMDLs and Basin Plan Amendments addressing water quality impairments. Perform technical reviews of hydrological and other water quality relevant models and modeling reports.

25%	Represent the Central Valley Water Board in technical advisory committees, project oversight committees, meetings with federal and state agencies, local governments, dischargers, consultants, Native American Tribes, disadvantaged communities, and the public related to the development and implementation of TMDLs, control programs, and other water quality issues. Use good communication skills and sound engineering knowledge and judgment to clarify and/or interpret Board policy, water quality standards, and Board objectives. Present calculations, findings, and recommendations through both written reports and oral presentations. Prepare graphs, maps, and other visual aids for presentations as needed. Coordinate and communicate with State and Regional Board staff, federal agencies, interest groups, disadvantaged communities, Native American Tribes, and the public, acting as a liaison to the Board. Conduct equitable and culturally relevant outreach to disadvantaged and tribal communities to satisfy Assembly Bill 2108 requirements. Summarize the water quality impact in disadvantaged or tribal communities and describe environmental justice concerns and identify mitigation measures.
20%	Implement water quality control programs through tracking implementation and coordinating with other Central Valley Water Board regulatory programs, managing implementation related grants and contracts, evaluating control program effectiveness, assessing the attainment of water quality standards, and preparing reports summarizing implementation activities and effectiveness. Coordinate with permitting staff to assess to analyze project proposals and environmental impact reports. Track development of State Water Board Policies and Programs related to beneficial use impairments and TMDLs.
Marginal Functions (Including percentage of time):	
5%	Develop and implement environmental monitoring and field investigations. Evaluate data and monitoring needs for developing or implementing control programs by reviewing literature, compiling existing data, and assessing data gaps and program needs. Perform and oversee monitoring by coordinating with environmental laboratories; collecting, compiling, and assessing the data. Manage contracts related to TMDL development and implementation.
5%	Complete other work in support of the development and implementation of Basin Plan amendments and TMDLs addressing water quality and beneficial use impairments in the Central Valley.
5%	Perform other duties as required.
Typical Physical Conditions/Demands:	
The job requires extensive use of a personal computer and the ability to sit/stand at a desk, utilize a phone, and type on a keyboard for extended periods of time. Ability to lift 15 pounds, bend and reach above shoulders to retrieve files and/or documents. Days in the field would include navigating uneven, rugged terrain for extended periods of time, in extreme temperatures throughout the workday, standing/sitting for long periods of time, transporting field equipment, etc.	

Typical Working Conditions:
The incumbent works in a single level building in Rancho Cordova in an office cubicle in a smoke-free environment. The incumbent is also expected to travel (when needed) to the Fresno and Redding offices. The Redding office has multiple floors. The work schedule is Monday through Friday. Occasional overtime may be needed. Travel may be required locally and within the state. Remote-centered teleworkers shall have their dedicated workstation located at their designated alternate work location and will likely be required to use shared space when working in the office. Office-centered employees are expected to work in a climate-controlled office or cubicle under artificial lighting.

Supervisor Statement		
I certify this duty statement represents an accurate description of the essential functions of this position. I have discussed the duties of this position with the employee and provided the employee a copy of this duty statement.		
Supervisor Name	Supervisor Signature	Date
Employee Name	Employee Signature	Date