Classification: Water Resource Control Engineer
Position Number: 880-190-3846-059

DUTY STATEMENT

☐CURRENT ☒PROPOSED

RPA Number: 25-190-033	**Classification Title:** Water Resource Control Engineer	**Position Number:** 880-190-3846-059
Incumbent Name: Vacant	**Working Title:** Water Resource Control Engineer	**Effective Date:** TBD
Tenure: Permanent	**Time Base:** Full Time	**CBID:** R09
Division/Office: San Diego Regional Water Quality Control Board (Region 9)	**Section/Unit:** Surface Water Protection Branch/Storm Water Management Unit	
Supervisor's Name: Ben Neill	**Supervisor's Classification:** Senior Water Resource Control Engineer (Supervisory)	

Human Resources Use Only:	
HR Analyst Approval: Tiffani Pace	**Date:** March 27, 2026

General Statement

Under the close supervision of a Senior Water Resource Control Engineer (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

The Water Resource Control Engineer (WRCE) performs timely and professional engineering work in support of the stormwater program, including conducting audits and inspections; reviewing engineering reports, plans, Water Quality Improvement Plans, surveys, grant proposals, policies, and monitoring data; and preparing National Pollutant Discharge Elimination System permits, inspection reports, enforcement actions, and Executive Officer Reports. The WRCE coordinates with internal and external stakeholders such as the San Diego Water Board, State Water Resources Control Board, local municipalities, water and wastewater districts, school districts, non-governmental organizations, disadvantaged communities, and the public. The position also supports stormwater capture and infiltration efforts through regional initiatives and integrated water management planning, while addressing water supply, storage, conveyance, and conservation needs. The WRCE works independently, manages multiple priorities, and maintains proficiency in administrative tasks, including database management and daily use of Microsoft Office.

Essential Functions (Including percentage of time):	
25%	Provide water quality control engineering work pertaining to the regulation of non-stormwater and stormwater discharges under the National Pollutant Discharge Elimination System (NPDES) stormwater management program and the investigation and control of water pollution from point and nonpoint sources. Apply engineering methods and principles in the development and interpretation of permit and regulatory requirements; evaluate capabilities of technologies, structural and non-structural best management practices; low impact development techniques and post-construction treatment control best management practices to control non-stormwater, stormwater, and non-point source discharges; and the effects of these discharges and urbanization on the water quality, habitat, and ecology of receiving waters and their environments. Support integration of stormwater capture and reuse, and infiltration into regional stormwater initiatives, including integrated regional water management plans; development and oversight of Municipal Separate Storm Sewer Systems permits, consistent with the Water Supply Strategy; Water Quality Improvement Plans; and evaluation of water quality outcomes of ongoing MS4 permit implementation. Evaluate water quality outcomes, including attainment of Total Maximum Daily Loads, Waste Load Allocations, and Receiving Water Limitations based on impacts of new stormwater capture and use projects. Review and evaluate low impact development projects associated with new and redevelopment projects. Evaluate potential limiting factors such as potential erosion, impacts to groundwater quality, and proximity to structures to ensure proposed regional and small-scale low impact development projects have incorporated stormwater capture, infiltration, and reuse to the extent feasible. Identify and support alternative restoration options for ecosystem impairments in stream, riparian, and wetland areas affected by stormwater capture and use project implementation.

20%	Provide professional engineering review and evaluation of technical reports and projects related to water quality planning and assessment. Apply engineering methods and principles in analyzing and evaluating water quality data and the potential effects of pollutants and water diversions on water quality and beneficial uses. Design and perform monitoring and investigative studies to evaluate water quality and adequacy of existing policies and programs. Review, interpret, and implement applicable water quality planning laws, regulations, and programs. Evaluate large scale or regional stormwater capture, infiltration, and reuse projects proposed by local water agencies, municipalities, and other implementing agencies to augment water supplies, promote water storage, replenish ground water resources, protect surface waters from hydromodification impacts, and augment surface water base flows in the dry season consistent with State of California efforts on environmental flows. Develop new or modify existing stormwater capture and use plans for implementation into municipal stormwater permits. Review reasonable assurance demonstrations included in Water Quality Improvement Plans and new plans for new water resources such as stormwater capture and use. Assist with updates for Water Quality Improvement Plans to adapt to new stormwater capture and use projects; and integrate into regional water management plans. Evaluate engineering analyses and reports describing potential limiting factors for incorporation of stormwater capture, infiltration, and reuse as part of land development projects. Implement performance tracking and reporting for complex capture and use projects, and ensure data are reported to statewide databases.
20%	Participate and communicate effectively in teleconference, audiovisual, and face-to-face meetings with technical consultants, dischargers, attorneys, governmental agencies, news media, and the general public in the San Diego Water Board office and other locations. Meetings may involve overnight travel. Appear or testify as a professional engineer to clarify and interpret San Diego Water Board policy and objectives. Prepare for and make logical, comprehensible, and convincing written and oral presentations at public hearings and other meetings of the San Diego Water Board, State Water Board, and other federal, state, and local agencies. Answer a variety of inquiries in informal face-to face meetings in the San Diego Water Board office during drop-in visits by the public and regulated community. Support the development of a policy for the infiltration of urban stormwater runoff which will promote and encourage stormwater capture through infiltration while maintaining the protection of groundwater resources. Attend and participate in stormwater capture and use and regional water management meetings. Coordinate closely with the State Water Board Division of Water Rights to ensure that new water resource projects satisfy water quality and quantity obligations to downstream users. Support development and implementation of alternative compliance programs and water quality credit systems that incorporate stormwater capture, infiltration, and reuse as part of new water resources projects. Assist State Water Board staff in stormwater capture and use grant proposal reviews including reviewing project scope, budget, and schedule for each pre-application and/or final application. Assist small and disadvantaged municipalities, school districts and other public entities to develop and implement new stormwater capture and reuse projects, and to explore available grant and/or loan funding.

20%	Apply engineering methods and principles when performing site inspections, field investigations, and collection of water and waste samples from specific locations and sources. Conduct field investigations and studies at sites where wastes, including toxic and hazardous waste, may be present; and prepare written reports associated with these investigations and studies. Conduct audits and inspections of new water resources plans, municipal stormwater management programs and projects to evaluate compliance with permit requirements. Prepare compliance evaluation reports for new stormwater capture and use projects. Site inspections, investigations, evaluations, and audits may include, but not be limited to natural water bodies, storm drain systems, industrial sites, construction sites, and municipal facilities. Field tasks include collection of samples of runoff, water, soil, influent, effluent, sludge, and other waste contaminated with pollutants, including toxic or hazardous materials; observing construction of surface water capture, reuse, infiltration, and monitoring facilities; and performance evaluations of facilities, structural and non-structural best management practices, erosion and sedimentation controls, and stormwater pollution prevention plans.
10%	Provide professional engineering review and evaluation of technical reports in engineering matters related to enforcement. Apply engineering methods and principles in responding to illegal waste discharges to the lands and waters of the State, toxic and hazardous materials pollution, and point and nonpoint source pollution. Interpret water quality data and other information to determine whether violations have occurred, then recommend and follow through on appropriate courses of action. Assess compliance through various means including review and interpretation of waste discharge requirements, NPDES permits, water quality certifications, stormwater capture and use requirements, monitoring reports, technical reports, compliance inspections and audits, citizen complaints, notifications from other governmental agencies, and discharger file review. Implement enforcement through an escalating series of actions to (1) assist cooperative dischargers in achieving compliance; (2) compel compliance for repeat violations and recalcitrant violators; and (3) provide a disincentive for noncompliance. Working collaboratively with other staff, the State Water Board's Office of Enforcement, and the California State Attorney General's office, prepare violation notices and enforcement orders, and supporting documentation for San Diego Water Board review or adoption. Provide regulatory oversight of stormwater capture and reuse projects, NPDES permitted facilities, and other projects to obtain compliance with San Diego Water Board orders and state and federal water quality laws, policies, and regulations.
Marginal Functions (Including percentage of time):	
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 computer mouse, 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. Ability to communicate effectively in person and through electronic media. Ability to drive a vehicle and conduct inspections on uneven, rugged terrain for extended periods of time, in extreme temperatures throughout the workday, and carry more than 50 pounds for short durations.

Typical Working Conditions:

The incumbent works on the second floor of an office building in the Mission Valley neighborhood of San Diego, in an enclosed, non-windowed office cubicle in a smoke-free environment. Partial teleworking is available at management's discretion in accordance with State policy. The work schedule is Monday through Friday. Overnight travel may be required locally and within the state.

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