



Classification: Engineering Geologist
Position Number: 880-190-3756-017

DUTY STATEMENT

☐ CURRENT

☒ PROPOSED

RPA Number: 26-190-010	Classification Title: Engineering Geologist	Position Number: 880-190-3756-017
Incumbent Name: Vacant	Working Title: Engineering Geologist	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R09
Division/Office: California Regional Water Quality Control Board, San Diego Region	Section/Unit: Surface Water Protection Branch / Border Water Quality Protection Unit	
Supervisor's Name: Vacant Eric Becker (Interim)	Supervisor's Classification: Senior Water Resource Control Engineer (Supervisory) Supervising Water Resource Control Engineer (Supervisory)	

Human Resources Use Only:

HR Analyst Approval:

Date: 08/11/2026

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 San Diego Water Board's Strategic Plan, the Engineering Geologist 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

As part of the Border Water Quality Protection Unit, the Engineering Geologist is responsible for administering and enforcing programs, initiatives, and agreements to address transboundary pollution from Mexico. The Engineering Geologist supports the protection of human health, water quality, and beneficial uses associated with the Tijuana River, Tijuana River Estuary, and near shore Pacific Ocean.

Essential Functions (Including percentage of time):

35%	Perform engineering geology duties related to the regulation of project constructed by U.S. federal, State, and local agencies at the border for the management of wastewater, stormwater, and recycled water in the Tijuana River Valley to restore water quality, control flows of pollution in the river and canyons, and protect water quality in Tijuana River, Tijuana River Estuary, and near shore Pacific Ocean. Provide engineering geology review and evaluation of applications, technical reports, environmental documents, and projects. Apply engineering geology methods and principles in performing activities related to preparation or review of waste discharge requirements (WDRs), water reclamation requirements, National Pollutant Discharge Elimination System (NPDES) permits, Clean Water Act Section 401 Water Quality Certifications, advance restoration plans (ARPs), total maximum daily loads (TMDLs), amendments to the Water Quality Control Plan for the San Diego Basin, and other documents. Review and evaluate reports of waste discharge, technical reports, and environmental documents; assure consistency with relevant water quality plans and policies and compliance with applicable laws and regulations. Working collaboratively with other staff to prepare WDRs, water recycling requirements, NPDES permits, Clean Water Act Section 401 Water Quality Certifications, and other tentative orders and resolutions with supporting documentation for review or adoption by the San Diego Water Board. Perform geotechnical analysis for slope stability and other technical requirements of Waste Discharge Requirements for the Nelson Sloan Quarry, County and State Parks sediment and trash control basins or other projects as necessary.
20%	Provide engineering geology review and evaluation of technical reports and projects related to water quality planning and assessment, including water quality planning and assessment related to transboundary flows. Apply engineering geology 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 or programs. Review, interpret, and implement applicable water quality planning laws, regulations, and programs. Develop and incorporate ARP and TMDL implementation plan provisions for indicator bacteria and trash, and other constituents in Tijuana River Valley transboundary flows into permits, certifications, or enforcement actions that ensure timely compliance with load and wasteload reduction targets.
15%	Participate and communicate effectively in teleconference, audiovisual, and face-to face meetings with technical consultants, dischargers, attorneys, governmental agencies, governmental officials including Mexican officials, news media, and the public in the San Diego Water Board office and other locations. Act as interagency liaison to local, State, and federal agencies on border water quality issues. Use engineering geology knowledge and judgment to clarify and interpret San Diego Water Board policy and objectives to unit staff, San Diego Water Board staff, San Diego Water Board Members, elected officials and other decision makers, governmental agency representatives, dischargers, nongovernmental organizations, and the public. Facilitate and participate in stakeholder outreach and engagement. Represent the San Diego Water Board before other boards, agencies, and groups in a professional

	manner. Prepare and assist other unit staff with preparing and delivering 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 local, State, and federal 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. Participate in consultation meetings with U.S. federal agencies and their contractors regarding planning, design and operational standards for proposed infrastructure projects to reduce border pollution.
10%	Review NPDES permit and WDR reports, receiving waters monitoring reports for NPDES permit or WDR compliance, ARP reports, and TMDL load and wasteload reduction compliance reports. Apply engineering geology methods and principles in performing a variety of duties related to site inspections, field investigations, and collection of water and waste samples from specific locations and sources. Conduct field investigations and studies at sites where waste, including toxic and hazardous waste and materials, are discharged and stored, and prepare written reports associated with these investigations and studies. Site investigations may include, but not be limited to, wastewater treatment plants, land disposal operations, groundwater cleanup sites, hazardous waste disposal sites, pesticide storage and application sites, industrial sites, construction sites, and municipal facilities. Sites may be in the U.S. and/or Mexico. 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 waste management and monitoring facilities; and performance evaluations of facilities. Participate in safety training programs.
5%	Maintain water quality and facility data in statewide databases, electronic content management systems and respond to public records act requests. Ensure that project documents are indexed in the electronic content management system. Ensure that database systems are updated; for example, in the California Integrated Water Quality System (CIWQS), California Environmental Data Exchange Network (CEDEN), Storm Water Multiple Application and Report Tracking System (SMARTS), and Geotracker. Maintain accurate San Diego Water Board border water quality related webpages.
5%	Act as contract manager or San Diego Water Board contact for State Water Board and San Diego Water Board contracts. Perform contract work activities, including Request for Proposal (RFP) preparation, evaluation of proposals, preparation of contracts, and project control schedules. Provide consultation to contractors developing work products, review progress of contractors in accordance with control schedules, and review and evaluate contractor work products.
5%	Respond to spills or illegal discharges in the Tijuana River Valley and participate binational coordination on spill response and monitoring efforts in Mexico and the U.S.



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Marginal Functions (Including percentage of time):

5%	Perform other duties as required.
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Typical Physical Conditions/Demands:

The job requires extensive use of a personal computer and the ability to sit/stand at desk, utilize a phone, and type on a keyboard for extended periods of time. This job also requires retrieval and movement of documents, equipment, and/or materials of up to 15 pounds. The job requires field inspections and tours and the ability to navigate uneven, rugged terrain for extended periods of time in extreme temperatures throughout the workday. The job also requires the ability to transport field equipment.

Typical Working Conditions:

The Engineering Geologist works on the 2nd floor of an office building in the Mission Valley area of San Diego in an enclosed office cubicle, in a smoke-free environment. The work schedule is Monday through Friday. Alternate work schedules and telework may be available following a probationary period and based on the operational needs of the San Diego Water Board. In-person attendance is required at the San Diego Water Board office. Local, statewide, nationwide, and international (to Mexico) travel may be required, including overnight travel.

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