



Classification: Water Resource Control Engineer
Position Number: 880-160-3846-060

DUTY STATEMENT

☐ CURRENT ☒ PROPOSED

RPA Number: 26-160-011	Classification Title: Water Resource Control Engineer	Position Number: 880-160-3846-060
Incumbent Name: Vacant	Working Title: Water Resource Control Engineer	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R09
Division/Office: Lahontan Regional Water Quality Control Board – Region 6 South Lake Tahoe		Section/Unit: Forestry/Dredge & Fill
Supervisor's Name: Bryan Talmadge		Supervisor's Classification: Senior Water Resource Control Engineer (Supervisory)

Human Resources Use Only:

HR Analyst Approval: *Arianna Dixon*

Date:

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, as a technical professional in the Forestry/Dredge and Fill Unit (FDF), is responsible for applying engineering methods and principles in the identification, research, and solution of point and non-point source pollution resultant of both the Dredge and Fill and Forest Activities Programs in the Lahontan region. The incumbent provides solutions in drafting permits, making policy recommendations, providing technical engineering expertise, evaluating and assisting in the drafting of environmental documents, and performing sensitive assignments related to water quality issues and protection throughout the Lahontan region. This is an office-based position that includes frequent field work. Effective communication and organization skills are required.



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Essential Functions (Including percentage of time):

30%	Review proposed projects that may affect waters of the state to ensure compliance with the requirements of the Water Quality Control Plan for the Lahontan Region (Basin Plan), the Porter-Cologne Water Quality Control Act, the Federal Clean Water Act, the National Environmental Policy Act (NEPA), and the California Environmental Quality Act (CEQA). Prepare Clean Water Action Section 401 water quality certifications and/or waste discharge requirements (WDRs) for project compliance with all regulatory requirements. Develop permits for different projects, including but not limited to construction, grading, utility corridor vegetation management plan implementation and maintenance, stream crossing installation/upgrade/removal, road construction, aggregate mining, aquatic habitat restoration, invasive species removal, riparian zone enhancement, and enforcement requirements. Use engineering principles and methods to research and analyze project information to assess impacts on water quality to develop effective permit requirements. Coordinate with federal, state, and local agencies. Support information management through electronic recordkeeping of dredge and fill impacts, mitigation requirements, compliance, and other information, within the appropriate databases. Maintain all pertinent records. Evaluate and execute the Programs' regulatory processes to protect and enhance water quality.
20%	Review complaints from the public or other agencies and conduct follow-up actions to address threatened or existing nonpoint source pollution sources. Coordinate with Regional Board Enforcement Unit to ensure appropriate action is taken. Activities may include: outreach to landowners, complainants, agencies, or other stakeholders; coordination of and participation in field inspections; field inspection documentation and report writing; and development of notices of violation and progressive enforcement actions.
20%	Apply engineering principles to site inspections and field investigations. Site investigations include evaluating the effectiveness of project design measures and construction best management practices (BMPs) for water quality protection, including erosion and sediment control, toxic and hazardous waste spill planning, wetland and riparian area site protection, and endangered species protection. Field investigations include reviewing and evaluating project element design and mitigation and monitoring plans. Field tasks include observing construction practices. Evaluate BMPs, apply scientific wetland and stream assessment methods and delineation verification at impact site and mitigation sites to verify that lost functions are replaced, and collect samples of runoff, water, soil and waste contaminated with pollutants, including toxic or hazardous materials.
10%	Coordinate with the federal land management agencies (US Forest Service, Bureau of Land Management) and the California Department of Forestry and Fire Protection in reviewing Timber Harvest Plans (THPs), Working Forest Management Plans (WFMPs), Non-Industrial Timber Management Plans (NTMPs), utility corridor vegetation management plans, and timber harvest exemptions, to evaluate the impact of logging operations and other forest practices on the quality and beneficial uses of water. Conduct pre-harvest and post-harvest field inspections and develop recommendations to prevent, minimize and mitigate impacts to water



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	quality from forest management, post-fire recovery, ecosystem restoration, and fuel reduction projects including livestock herbivory (i.e. grazing). During the THPs review process apply water quality statutes and regulations to review proposed activities including: forest practices; forest road construction; erosion control design and maintenance; hillslope processes and slope stability; geomorphology and hydrology; watercourse crossing sizing and design; and watershed analysis of multiple land use projects and their impacts on water quality.
10%	Participate and communicate effectively on various technical and interagency committees, including those directly related to permitting activities and those related to broader programmatic permitting issues and research. Prepare effective presentation materials and make logical, comprehensible, and convincing written and oral presentations at public hearings and meetings as required. Represent the Regional Water Board policies before the general public, special interest groups, technical committees, and governmental agencies.
Marginal Functions (Including percentage of time):	
5%	Mentor existing and new staff in areas of expertise to facilitate agency function, knowledge sharing, and training.
5%	Perform other duties as required.
Typical Physical Conditions/Demands:	
The job requires extensive use of a personal computer for and the ability to remain stationary at a desk, use a phone and keyboard for extended periods of time. The job requires frequent fieldwork in backcountry settings, and the ability to navigate uneven, rugged terrain for extended periods of time, in extreme temperatures and inclement weather throughout the workday, and transporting up to 40 pounds.	
Typical Working Conditions:	
The incumbent works either via telework or in the Regional Board offices in South Lake Tahoe in an office cubicle in a smoke-free environment. The work schedule is Monday through Friday, including evening and weekend work occasionally as necessary. The incumbent must attend remote, in-person meetings, hearings and work with staff statewide to complete work assignments. Travel may be required locally and within the state. Travel may include field settings in inclement weather, overnight travel, and driving on unpaved roads.	



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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