



Classification: Environmental Scientist  
 Position Number: 880-130-0762-027

**DUTY STATEMENT**

CURRENT       PROPOSED

<b>RPA Number:</b> 24-130-062	<b>Classification Title:</b> Environmental Scientist	<b>Position Number:</b> 880-130-0762-027
<b>Incumbent Name:</b> Vacant	<b>Working Title:</b> Environmental Scientist	<b>Effective Date:</b> TBD
<b>Tenure:</b> Permanent	<b>Time Base:</b> Full time	<b>CBID:</b> R10
<b>Division/Office:</b> Region 3 / Central Coast Water Board		<b>Section/Unit:</b> Standards, Planning & Assessment, Nonpoint Source/Grants
<b>Supervisor's Name:</b> Daniel Ellis		<b>Supervisor's Classification:</b> Senior Environmental Scientist (Supervisory)

<b>Human Resources Use Only:</b>	
<b>HR Analyst Approval:</b> <i>Nina Lopez</i>	<b>Date:</b> 12/30/2024

**General Statement**

Under close supervision of a Senior Environmental Scientist (Supervisory) and consistent with good customer service practices and the goals of the State and Regional Water 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.



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**Position Description**

The incumbent will focus on Total Maximum Daily Load (TMDL) projects using new or emerging science for pesticides and associated toxicity, biological indicators (e.g., bacteria indicators, harmful algal bloom species and associated algal toxins, benthic invertebrate species, bioaccumulation in sport fish and prey fish, etc.), and molecular detection of biological indicators. This position will also study the toxicity of pollutants, including emerging contaminants, to assess their impact on water quality and aquatic ecosystems. The incumbent will also be tasked with reviewing peer-reviewed research and designing novel approaches to develop numeric thresholds for pesticides, nutrients, and other toxic pollutants for TMDLs, permits, or other regulatory mechanisms that protect water quality.

**Essential Functions (Including percentage of time):**

35%	Develop and manage Total Maximum Daily Load watershed planning projects (TMDL Projects) through the entire planning and approval process. The components of TMDLs Projects may include: data analysis, problem statements, numeric targets, source analysis, assimilative capacity, allocations, linkage analysis, margin of safety, implementation and monitoring plans, California Environmental Quality Act (CEQA) documents, and standards changes. Conduct internal and public meetings to facilitate development, approval, and implementation of TMDLs. Prepare documentation for public meetings and the administrative record. Facilitate and participate in stakeholder processes and technical or scientific advisory groups. Represent Central Coast Water Board policies before the general public, special interest groups, technical committees, and governmental agencies, and make presentations before the Central Coast Water Board and State Water Board.
35%	Perform data analysis, source analysis, and linkage analysis for TMDL development. This analysis may include: evaluation of water quality monitoring data, watershed analysis of multiple land uses and impacts on beneficial uses, developing strategies and regulatory mechanism to improve pollution load reduction, evaluating existing studies, evaluating the environmental impacts of pollutant loads, and developing water quality targets.
20%	Perform tasks associated with updating the California Integrated Report which includes the federal Clean Water Act section 303(d) List of impaired waters and the section 305(b) Water Quality Conditions Report. Specific tasks may include the following: independently investigate and identify appropriate criteria to evaluate attainment of water quality standards, evaluate water quality monitoring data, develop lines of evidence and decisions about water quality standards attainment, and develop other documentation to support the development of the Integrated Report. Prepare documentation for public meetings and the administrative record. Facilitate and participate in stakeholder processes.

**Marginal Functions (Including percentage of time):**

5%	Develop TMDL Implementation plans both independently and in coordination with responsible parties.
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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. Ability to lift 15 pounds, bend and reach above shoulders to retrieve files and/or documents. Occasional travel for meetings and presentations throughout the state may also be required

**Typical Working Conditions:**

The incumbent works on the 2nd floor of an office building in San Luis Obispo, in an enclosed, office cubicle in a smoke-free environment or at an alternative approved telework location. The work schedule is Monday through Friday. Mandatory overtime, including evening and weekend work may be necessary during the year end closing process or when the department is mission tasked. 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