



Classification: Environmental Scientist
Position Number: 880-260-0762-024

DUTY STATEMENT

☐ CURRENT ☒ PROPOSED

RPA Number: 25-260-041	Classification Title: Environmental Scientist	Position Number: 880-260-0762-024
Incumbent Name: Vacant	Working Title: Environmental Scientist	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R10
Division/Office: Office of Enforcement		Section/Unit: Stormwater and Advanced Technology Unit
Supervisor's Name: Tomas Eggers		Supervisor's Classification: Senior Water Resource Control Engineer, Supervisor

Human Resources Use Only:	
HR Analyst Approval:	Date:

General Statement
Under the close supervision of a Senior Water Resource Control Engineer 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 Environmental Scientist (ES) is responsible for supporting efforts to assess the impact of the U.S. Supreme Court's decision in Sackett v. Environmental Protection Agency (SACKETT) on the State Water Board's project permitting and enforcement resource requirements. The ES also assists in supporting stormwater-related enforcement efforts, conducting enforcement investigations, and providing timely compliance analysis, while assisting the public and staff within the State Water Board, by phone, e-mail, mail, and in person. The ES assists in the development of novel uses of AI/machine learning with remote sensing technologies and GIS tools to identify and triage potential violations and emerging water quality concerns. The incumbent is required to communicate effectively, manage multiple tasks, and collect evidence during field inspections and analyze data from regulatory databases.
Essential Functions (Including percentage of time):



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30%	Perform scientific investigations of complaints and suspected violations regarding illegal dumping, pollution, pesticides, or permit violations for facilities located throughout the state. Use scientific knowledge and technical expertise to determine the cause of violations and identify the impact of the violation on water quality. Conduct interviews of informants, witnesses, and public officials to determine the nature of suspected violations and to obtain evidence. In accordance with detailed instruction and specific standards, determine sampling locations and methods and collect water or wastewater samples for analysis. Document gathered evidence and review scientific information collected during the investigation. Using sound scientific logic and professional judgment, produce timely, written work products in the form of compliance inspection reports, reports of investigation, records of communication, technical memoranda, and emails.
30%	Prepare enforcement recommendations and actions in consultation with the Senior Water Resource Control Engineer, the Regional Board staff, and Enforcement Counsel. Assist in multi-agency scientific investigations. Collaborate closely with assigned Attorneys and provide scientific knowledge and technical expertise in settlement negotiations. Tasks may include using scientific knowledge to analyze the circumstances surrounding identified violations, present findings to superiors, recommend enforcement actions, and draft formal and informal enforcement documents (e.g. notices of violation, citations, compliance orders, staff enforcement letters, etc.).
25%	Using sound environmental analysis, identify, track, and conduct essential water quality permitting and enforcement work. Assist in the development of tools and strategies that integrate AI/machine learning with remote sensing data and GIS tools to identify and triage potential violations and emerging water quality concerns. Assist with the assessment of additional resources that may be required to enforce permits, laws, and regulations impacted by SACKETT. Produce timely, written work products in the form of technical memoranda, reports, and contributions to an annual legislative report regarding the impacts of SACKETT.

Marginal Functions (Including percentage of time):

10%	Assist in the preparation of enforcement training materials for State and Regional Water Board staff. Training may include, but is not limited to evidence gathering, sample collection, conducting interviews, conducting inspections, watercourse assessment, and wetland delineation. Assist Regional Board field investigations to improve statewide consistency.
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 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. Navigate uneven, rugged terrain for extended periods of time, in extreme temperatures throughout the workday, carry more than 50 pounds, standing/sitting for long periods of time, etc.
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Typical Working Conditions:

The incumbent works on the 23rd floor of a high-rise office building in downtown Sacramento, in an enclosed, non-windowed office cubicle in a smoke-free environment. The work schedule is Monday through Friday. Mandatory overtime, including evening and weekend work may be necessary for field work 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