



Classification: Engineering Geologist
Position Number: 880-150-3756-080

DUTY STATEMENT

☐ CURRENT ☒ PROPOSED

RPA Number: 26-150-008	Classification Title: Engineering Geologist	Position Number: 880-150-3756-080
Incumbent Name: Vacant	Working Title: Engineering Geologist	Effective Date: TBD
Tenure: Permanent	Time Base: Full-Time	CBID: R09
Division/Office: Central Valley Regional Water Quality Control Board/Rancho Cordova		Section/Unit: Permitting-Title 27/Confined Animals
Supervisor's Name: Daniel Gamon		Supervisor's Classification: Senior Engineering Geologist (Supervisory)

Human Resources Use Only:

HR Analyst Approval: *Debra Fisher-Lua*

Date: 08/11/2026

General Statement

Under the close supervision of a Senior Engineering Geologist and consistent with good customer service practices and the goals of the State and Regional Water Boards' 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 Engineering Geologist (EG) performs technical assessments of engineering reports and reviews and evaluates water quality data from technical and monitoring reports for assigned facilities. Using geological engineering judgment and technical data from observations, self-monitoring reports, and sampling, the EG ascertains dischargers' compliance with basin plan, waste discharge requirements (WDRs), and Regional and State Water Board policies and regulations.

The EG reviews groundwater monitoring work plans and monitoring results of assigned cases to determine compliance with WDRs and evaluates engineering data relating to the design and performance of assigned facilities. The EG evaluates sampling points and laboratory techniques and performs engineering and geotechnical reviews on matters relating to liner and cover construction, soil characteristics, waste constituent loading, groundwater hydrogeology, and receiving water assimilative capacities of assigned cases. The EG prepares all necessary documentation such as letters,

memorandums, reports, and enforcement orders resulting from evaluation of an assigned technical report.

Essential Functions (Including percentage of time):

35%	Conduct investigations of confined animal facilities using geologic expertise to evaluate compliance with prescribed waste discharge requirements and with the General Orders for Existing Milk Cow Dairies, Poultry Operations, and Confined Bovine Feeding Operations, to ensure that state water quality objectives are met. Conduct evaluations of animal waste disposal systems, including evaluating geologic aspects of waste pond design, such as calculations of pond leakage; evaluating groundwater monitoring systems and water distribution (irrigation) systems; and investigating and gathering geologic information and substantiating data for enforcement actions. Make and check calculations of runoff volumes that occurred during discharge events. Prepare reports and correspondence documenting animal facility inspections, field investigations, and interaction with the facility owner/operator.
30%	Evaluate groundwater and surface water data to ascertain possible water pollution effects from waste discharges; determine the scope of investigation needed to define the nature and extent of discharge. Perform technical geologic assessments of engineering reports and review water quality data from technical and monitoring reports. Prepare reports and correspondence documenting results of field investigations and office reviews of water quality data. Prepare and make presentations on technical and enforcement issues to the Regional Board and other interested parties.

Marginal Functions (Including percentage of time):

15%	Enter and update records of assigned cases into California Integrated Water Quality System (CIWQS) database and other tracking systems. Maintain the accuracy of the data in the various database tracking systems such as CIWQS and Geotracker. Assemble and provide file records for Public Records Act Requests. Maintain case files, which includes filing reports and correspondence; maintaining document integrity; determining which items should go into the files; maintaining bound reports; initiating requests to make up new case files; forwarding items in a timely manner; keeping files available to staff and the public; and properly routing documents to the files. Prepare and/or supervise preparation of maps, graphs, other visual aids; collect samples, analyze, and interpret data for evaluation of waste discharge compliance with prescribed specifications.
10%	Review, revise, and prepare draft waste discharge requirements for confined animal facilities and coordinate the review process with applicable agencies and other interested parties preparatory to developing final draft.
5%	Conduct meetings with dischargers, organizations, the public, and government agencies to discuss development and implementation of water quality protection programs related to animal waste.



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5%	Performs other duties as assigned.
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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.

During field work inspections, navigate uneven, rugged terrain for extended periods of time, possibly in extreme temperatures throughout the workday, carry more than 20 lbs of field equipment.

Typical Working Conditions:

The incumbent works on the 1st floor of an office building in Rancho Cordova, 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 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