

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Supervising Engineer, Water Resources		DWR POSITION NUMBER 1740-3258-592	SAP POSITION NUMBER 50001291	MCR 1
APPOINTEE Vacant		SAP PERSONNEL NO.	DIVISION/SECTION Safety of Dams/Re-evaluation Engineering Branch 3	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: ☐ Supervisory Related BU: ☒ S09 Confidential Related BU: ☐ Rank and File BU: ☐				
RESPONSIBILITIES EXERCISED ☐ Supervisory ☒ Lead Person		IMMEDIATE SUPERVISOR (Print) Ariya Balakrishnan	SUPERVISOR'S CLASSIFICATION Principal Engineer	
APPROVED BY (Personnel Analyst's Name) Marissa Arriaga			DATE 8/25/26	
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY Under general direction of the Principal Engineer, Water Resources, the Supervising Engineer, Water Resources manages a section in the Re-evaluation Engineering Branch. The work includes but is not limited to planning, organizing, directing, and monitoring highly technical reviews and projects in dam engineering and assisting in the development of policies, procedures, and engineering technical notes related to the activities within the Re-evaluation Engineering Branch.			
	ESSENTIAL FUNCTIONS This position requires the incumbent be a recognized expert in dam safety. This position requires the incumbent to plan, organize, direct, and monitor the work of a section in the Re-evaluation Engineering Branch. The work includes reviewing application submittals for construction of new dams and the alteration, enlargement, and removal of existing dams, and performing risk studies and focused re-evaluations of existing dams and their appurtenant structures. Work cooperatively with Division staff, dam owners, consultants, other agencies, and the general public. Must have excellent communication skills and exercise good judgment. Maintain consistent and regular attendance. Assignments require some site visits and require driving a vehicle on public roadways or in the field on uneven terrain. The specific essential functions are:			
20%	Plan, organize, lead, and review activities related to applications for construction of new dams, and the alteration, enlargement, and removal of existing dams. Supervise the review and analysis of submitted plans, specifications, and the associated technical reports pertaining to geologic and soil investigations, instrumentation, inundation maps, hydrologic and hydraulic studies, and static and seismic analyses of dams and appurtenant structures such as outlets, spillways, and control structures. Incorporate risk-informed decision making to prioritize reviews and analyses. Supervise engineering support during construction associated with updated analyses for changes to design.			
20%	Plan, organize, lead, and review activities related to formal risk studies. Manage the work of multi-discipline teams to perform comprehensive evaluations of dams and their appurtenant structures by conducting field inspections and reviewing designs, instrumentation data, and			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Ariya Balakrishnan		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.				
EMPLOYEE'S NAME (Print)		EMPLOYEE'S SIGNATURE ➤		DATE

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Supervising Engineer, Water Resources		1740-3258-592		50001291	1
APPOINTEE		SAP PERSONNEL NO.	DIVISION/SECTION		
Vacant			Safety of Dams/Re-evaluation Engineering Branch 3		
Percent of Time	Activity				
	performance during normal, hydrologic, and seismic loadings. Lead and direct staff to identify potential failure modes, and estimate potential consequences, likelihoods of failure, and risks posed by dams.				
15%	Plan, organize, lead, and review focused evaluations of new and existing dams using simple to complex analyses to ensure dams meet design standards, identify dam safety deficiencies, and consider appropriate risk reduction and mitigation measures needed for public safety. Responsible for review and oversight of evaluations using advanced computer programs such as SAP2000, LS-DYNA, Geostudio software, FLAC, CFD, HEC-HMS, HEC-RAS, ArcGIS, and DSS-Wise. Guide training of staff in these techniques.				
15%	Attend briefings to provide support to staff on technical reviews. Review and prepare memoranda and reports for all reviews, analyses, studies, etc. Review outgoing correspondence for technical content, political sensitivity, responsiveness, clarity, accuracy, and quality; write or edit letters or memoranda; review and summarize reports or other material; meet with owners and their engineers on the design, construction, and reevaluation of dams.				
15%	Plan, organize, and lead the activities of the section in order to develop and maintain a highly-skilled professional staff to meet the Department's mission through assigning, and distributing work, monitoring and evaluating staff performance, preparing annual appraisal and development reports, determining training needs and approving training requests, implementing the three phases of progressive discipline, verifying and approving employee's attendance and leave requests, interviewing and hiring qualified employees, understanding employee's rights with regards to labor relations, and leading by example.				
5%	Plan and monitor the submittals of inundation maps submittals and approval for emergency planning purpose for dams and their critical appurtenant structures. Supervise the reviews, analyses, and approvals of the submittals and review and confirm potential downstream hazard classifications. As necessary coordinate with other branches in the Division and Cal OES.				
5%	Assist in developing policies, procedures, and engineering technical notes. Keep abreast with the State-of-the-Art in risk evaluations, design, and construction of dams and their appurtenant structures. Participate in professional organizations related to dam safety such as the Association of State Dam Officials, U.S. Committee on Large Dams, and the American Society of Civil Engineers.				

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<i>Percent of Time</i>	<i>Activity</i>						
5%	Perform inspections of dams and dam sites to evaluate conditions and performance of existing dams and determine the suitability of the site for proposed dams. Assist tasks in support of Public Records Act requests, and the dam security program. Represent the Division when contacting other agencies, public officials, attorneys, and the public. Serves as acting Branch Manager during the Manager's absence. OTHER RESPONSIBILITIES This position provides necessary support to the Divisions of Flood Management, Safety of Dams, Operations and Maintenance, Engineering, and/or the Public Affairs Office during Governor declared emergencies, flood, dam, State Water Project, and other incidents and emergencies. Additionally, this position may participate in emergency operations in the capacity of area teams, field inspection, coordination, and assist agencies such as CalOES and FEMA in disaster work, including performing fieldwork to complete damage survey reports for droughts, flooding, earthquakes, and other emergencies. This position may also serve in one of the sections established in the Incident Command System to assist the Department in performing its emergency preparedness, response, recovery, and mitigation functions. These functions are established in the California State Emergency Plan and the Department's Administrative Orders SPECIAL REQUIREMENTS Possession of a valid certificate of registration as an engineer issued by the California State Board of Registration for Professional Engineers is required. The incumbent must possess a valid California Driver License; be able to travel by airplane and/or a vehicle to different areas of California with some overnight travel. Must be able to inspect dams including walking dam faces, climbing abutments, and other similar physical activities. Must be able to inspect subsurface exploration excavations. This position is covered in the Political Reform Act and requires financial disclosure within 30 days of the first and last day physically worked in a covered position and annually by April 1st. All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination. The Department of Water Resources is committed to its mission and employees, and we are grounded in our commitment to public safety. Regular, consistent, and predictable attendance is essential to the successful performance in this position.						