

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Engineer, Water Resources		DWR POSITION NUMBER 2063-3137-009	SAP POSITION NUMBER 50001792	MCR I
APPOINTEE Vacant		SAP PERSONNEL NO. TBD	DIVISION/SECTION O&M/ADMWM/Delta Scheduling Unit	
COLLECTIVE BARGAINING IDENTIFIER				
<input type="checkbox"/> Management Related BU:	<input type="checkbox"/> Supervisory Related BU:	<input type="checkbox"/> Confidential Related BU:	<input checked="" type="checkbox"/> Rank and File BU: R09	
RESPONSIBILITIES EXERCISED <input type="checkbox"/> Supervisory <input type="checkbox"/> Lead Person		IMMEDIATE SUPERVISOR (Print) Ramesh Guatam	SUPERVISOR'S CLASSIFICATION Senior Engineer, Water Resources	
APPROVED BY (Personnel Analyst's Name) Kimberly Balbuena			DATE 4/3/26	
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY:			
	As part of the Delta Scheduling Unit, the incumbent works under the direction of the Unit Manager and is responsible for optimizing State Water Project (SWP) export operations while meeting the regulatory and environmental requirements in the Sacramento-San Joaquin Delta.			
	ESSENTIAL FUNCTIONS:			
	This position requires that the incumbent work cooperatively with others, maintain regular, consistent, predictable attendance, and exercise good judgment.			
35%	Maintain and update SWP export operations, hydrologic, water quality, and fishery-related data that are used for real-time Delta compliance of water rights, endangered species, and other regulatory criteria. Maintain and improve system for storing the aforementioned data using computer programming languages such as, Microsoft Visual Basic Applications, Python, R, SQL, HTML and Javascript etc. Plan, schedule, and coordinate activities related to SWP Clifton Court Forebay allotment and Intake Gate Priority schedules.			
25%	Perform engineering analyses for operational decisions using SWP/Central Valley Project (CVP) operations data, fishery-related data, water quality records, hydrologic conditions, and modeling results as well as evaluation of alternative operational plans while meeting requirements in the Delta related to Water Rights Permits, Endangered Species Act, Clean Water Act, contractual/ interagency agreements, and other flow/salinity objectives.			
25%	Assist Unit/Section Manager in formulating strategies, coordinating with other entities, and conducting engineering studies regarding issues that affect current and future SWP operations including, but not limited to, activities related to CVP Improvement Act (b)(2) assets and other water transfer proposals.			
SUPERVISOR'S STATEMENT:		I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.		
SUPERVISOR'S NAME (Print) Ramesh Guatam		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) Vacant		EMPLOYEE'S SIGNATURE ➤	DATE	

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<i>Percent of Time</i>	<i>Activity</i>		
15%	<p>Using computer programs such as Microsoft Access, Microsoft Excel, Microsoft Word, and Microsoft Power Point, prepare engineering reports, graphs, and tables for use in operations planning/scheduling studies and meeting presentations. Provide support to production of Briefing Package to California Bay-Delta Authority (CALFED) Ops Group meeting. Maintain and update spreadsheet macros daily for data retrieval and processing. Drive a vehicle on public roadways to attend meetings.</p> <p>SPECIAL REQUIREMENTS:</p> <p>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.</p> <p>Must be willing to sometimes work outside of normal business hours, travel, and stay overnight in various locations throughout the State of California.</p> <p>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.</p> <p>Employees are required to successfully complete all safety training related to the functions of the job.</p> <p>KNOWLEDGE, SKILLS, AND ABILITIES:</p> <p>Incumbent must be able to utilize computers effectively to analyze extensive amounts of data and information accurately under tight time constraints. Communicate effectively both orally and in writing. Maintain good interpersonal relationships, whether working independently or in groups.</p> <p>OTHER REQUIREMENTS:</p> <p>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, SWP, 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 as 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.</p>		