JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION	DWR POSITION NUMBER	SAP POSITION NUMBER	MCR
Senior Engineer, WR (Specialist)	1630-3261-091	50003271	1

APPOINTEE	SAP PERSONNEL NO.	BRANCH/SECTION
Vacant		Water Use Efficiency/WUE Implementation

COLLECTIVE BARGAINING IDENTIFIER

Management Related BU:	Supervisory Related BU:	Confidential Related BU:	Rank and File BU:
☐	☑ E48	☐	☐

RESPONSIBILITIES EXERCISED	IMMEDIATE SUPERVISOR (Print)	SUPERVISOR'S CLASSIFICATION
☐ Supervisory ☐ Lead Person	Sabrina Cook	Environmental Program Manager I

APPROVED BY (Personnel Analyst's Name)	DATE
SMH	02/05/2021

Percent of Time	*Activity*
	POSITION SUMMARY Under the general direction of the Environmental Program Manager I, Division of Regional Assistance, Water Use Efficiency Implementation Section, the Senior Engineer, WR (Specialist) takes a leadership role coordinating and conducting engineering investigations required to implement the 2018 Water Conservation Legislation (Senate Bill (SB) 606 (Hertzberg) and Assembly Bill (AB) 1668 (Friedman). Incumbent provides technical expertise and innovation in the development of performance measures, methodologies, models, and proposed regulations. ESSENTIAL FUNCTIONS The position requires that the incumbent plan, organize, and direct program projects and investigations. The incumbent must be able act as a departmental technical representative, communicate and negotiate with other high-level officials and perform interdisciplinary coordination with DWR staff, consultants, local water agencies, State and federal agencies and their representatives. The incumbent is required to take initiative and work cooperatively with others; maintain regular, consistent and predictable attendance; exercise sound judgment and work in a courteous and professional manner. The specific essential duties include, but are not limited to, the following:
35%	Water Use Studies, Standards, and Methodologies. Lead, coordinate, and conduct detailed engineering investigations to support development of indoor and outdoor water use efficiency standards as mandated by the 2018 Water Conservation Legislation. Lead technical aspects of various studies on baseline indoor residential water utilization and feasibility analysis of a future indoor water use standard on increasing water use efficiency. Analyze effects on wastewater and water supply infrastructure, operations, and performance from reduced flows and/or increased concentrations. Review new water fixtures, appliances, and building/development code specifications for water use efficiency metrics. Review and approve study design, analyze results, prepare technical memorandums, and present conclusions to management and

SUPERVISOR'S STATEMENT: **I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.**

SUPERVISOR'S NAME (Print)	SUPERVISOR'S SIGNATURE	DATE
Sabrina Cook	➢	

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
Vacant	➢	

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(continue)	stakeholders. Work closely with consultants and/or researchers in the University of California and California State University systems. Work with stakeholders, consultants, WUE Branch and Division management in development of Water Use Objectives Methodologies and guidance.
25%	CII Performance Measures. Lead the development of Commercial, Industrial, and Institutional (CII) Performance Measures as mandated by the 2018 Water Conservation Legislation. Lead, coordinate, and conduct engineering studies and develop recommendations for a CII water use classification system. Develop functional specifications or protocols for CII landscape irrigation, including minimum size thresholds, for converting mixed CII meters to dedicated irrigation meters or use of in-lieu technologies and CII equipment, systems, design, and operations best management practices. Consult with stakeholders and technical experts/advisors on the design and scope of required studies, as well as ongoing progress and results. Plan, design, and conduct public CII Workgroup meetings to maximize stakeholder collaboration and input. Ensure recommendations build off the DWR 2013 CII Task Force Report, “Water Use Best Management Practices” and are technically feasible and cost-effective. Establish and maintain internal partnerships with other Divisions and Region Offices. Serve as DWR’s CII water use efficiency expert.
20%	Water Use Variances. Conduct engineering studies to identify process requirements and evaluation procedures for variances on significant use of evaporative coolers, horses and livestock, seasonal populations, ponds and lakes to support wildlife, fire suppression needs, landscaped areas irrigated with recycled water having high levels of total dissolved solids, soil compaction and dust control, commercial or noncommercial agriculture, and others. Conduct water utilization studies to identify the need for listed variances and develop specifications for application of variances to a supplier’s water use objective. Analyze study results and make recommendations on policy options to WUE Branch and Division Management.
10%	Project Management. Participate in project management, including preparation of project management plans, scheduling, task and staff time tracking, budget planning, and other administrative tasks related to projects above to ensure that work is efficiently and correctly performed in accordance with workplans and relevant agreements. Assist in development of contracts/agreements for technical studies on above projects.
10%	Coordination and Communication. Provide leadership in the development of urban residential and CII water use efficiency policy within the Department. Prepare briefings for DWR management to facilitate policy development and decision-making. Represent the Department by appearing before governmental committees and private entities to communicate studies' activities, progress, priorities and results. Assist the Director's Office and Legal staff in the preparation and review of correspondence, speeches, proposed legislation, and policy issues related to the program. Write technical memoranda, reports, letters and other documentation for the program. Present and attend workshops, conferences, meetings and hearings. This may require driving a vehicle on public roadways. Perform other assignments as deemed necessary by the supervisor.

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	SPECIAL REQUIREMENTS Possession of a valid certificate of registration as a civil engineer issued by the California State Board of Registration for Professional Engineers is required. Must possess a valid California driver's license. Travel throughout the State is required. Basic database skills and knowledge of water use efficiency is required, as is effective writing and presentation skills. 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.