



Classification: Water Resource Control Engineer
 Position Number: 880-413-3846-001

DUTY STATEMENT

CURRENT PROPOSED

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| RPA Number: 24-413-002 | Classification Title: Water Resource Control Engineer | Position Number: 880-413-3846-001 |
| Incumbent Name: Vacant | Working Title: Water Resource Control Engineer | Effective Date: October 2024 |
| Tenure: Permanent | Time Base: Full Time | CBID: R09 |
| Division/Office: Division of Drinking Water/Program Management Branch | | Section/Unit: Technical Operations Section |
| Supervisor's Name: Randy Barnard | | Supervisor's Classification: Supervising Water Resource Control Engineer |

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| Human Resources Use Only: | |
| HR Analyst Approval: Alexandra Ruiloba-Olah | Date: October 17, 2024 |

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| General Statement |
| Under the close supervision of a Supervising Water Resource Control Engineer and consistent with good customer service practices and the goals of the State Water Resources Control Board (SWRCB) and Regional Water Quality Control Boards' (RWQCB) 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 Water Resource Control Engineer (WRCE) is expected to work independently, communicate effectively, and manage multiple tasks. Daily proficient utilization of office equipment and the Microsoft Office Suite is required. The WRCE will maintain consistent and regular attendance, communicate effectively (orally and in writing) in dealing with the public and/or other employees; develop and maintain knowledge and skill related specific tasks, methodologies, materials, tools, and equipment; complete assignments in a timely and efficient manner; and adhere to departmental policies and procedures regarding attendance, leave, and conduct. Specific responsibilities include: |



| Essential Functions (Including percentage of time): | |
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| 40% | Use engineering knowledge and technical expertise to evaluate existing and potential potable reuse projects, including direct potable reuse (DPR) for compliance with regulatory requirements. Inspect and evaluate potable reuse projects and treatment facilities. Prepare technical reports and permits for potable reuse projects. Provide technical information and assistance to SWRCB staff, RWQCB staff, local health departments, and stakeholders regarding monitoring and treatment options for compliance with recycled and drinking water quality regulations. Review and evaluate studies to demonstrate treatment efficacy and other technical matters affecting the implementation of regulations. Engage with Federal and local agencies involved in water quality control and water rights. Monitor recycled water technical studies, research, and demonstration projects associated with recycled water treatment conducted within the Water Boards. Review demonstration studies conducted by equipment manufacturers or water utilities designed to assess contaminate removal efficacy, which includes study protocols, field inspections, evaluation of study results, and preparation of engineering guidance based on the conclusions from the evaluation. Other surveillance activities involved in the inspection of DPR systems include review of system operational records, procedures, and all required administrative programs; data gathering necessary to maintain and update system inventory and inspection information, and; preparation of technical reports and letters documenting inspections and required corrective actions. |
| 30% | Use engineering knowledge and technical expertise to review and evaluate a wide range of Potable reuse proposals contained in Title 22 reports and other reports to assure compliance with applicable regulations and good engineering practice. Prepare summary reports, recommendations, and letters to communicate the results of the evaluation. Conduct on-site field inspections of DPR facilities as part of the evaluation and review process. Communicate effectively with the SWRCB field and management staff on DPR issues. Navigate various computer databases to track funding projects, water quality sampling, and reporting compliance. |
| 15% | Support the development of a comprehensive set of tools to effectively regulate DPR use in California. These tools include policies, procedures, fact sheets, and background materials to support staff and inform the regulated community, stakeholders, and the public on DPR. Develop specialized technical expertise on treatment technologies, industry practices, issues, concerns, and research related to potable reuse. Assist with departmental research projects, policy development and studies. |
| Marginal Functions (Including percentage of time): | |
| 5% | Provide engineering assistance to RWQCB staff in the interpretation of Title 22 Water Recycling Criteria and determination of compliance. |



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| 5% | Consult with and advise a variety of health and other public officials, engineers, attorneys, water consumer groups, environmental justice groups and others on public health aspects of drinking and recycled water programs. Assist in making presentations to interested groups on a variety of drinking and recycled water issues. |
| 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 including hiking and climbing tanks, in extreme temperatures throughout the workday, standing/sitting for long periods of time. Must possess a valid driver's license and be able to operate motorized vehicle to inspections sites.

Typical Working Conditions:

The incumbent works in a state owned or leased facility, in an enclosed, non-windowed office cubicle in a smoke-free environment. The work schedule is Monday through Friday. Travel may be required locally and within the state. In-office participation may be required on occasion to support field office operations.

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.

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| Supervisor Name | Supervisor Signature | Date |
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| Employee Name | Employee Signature | Date |
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