

DUTY STATEMENT

Employee Name: Vacant	Position Number: 581-721-5588-909
Classification: Research Scientist II (Physical/Engineering Sciences)	Tenure/Time Base: Permanent/Full Time
Working Title: Wildfire Smoke Scientist	Work Location: 850 Marina Bay Parkway, Richmond, CA 94804
Collective Bargaining Unit: R10	Position Eligible for Telework (Yes/No): Yes
Center/Office/Division: Center for Laboratory Sciences/Division of Environmental Health Laboratories	Branch/Section/Unit: Environmental Health Laboratory Branch / Air Quality Section / Laboratory Unit

All employees shall possess the general qualifications, as described in California Code of Regulations Title 2, Section 172, which include, but are not limited to integrity, honesty, dependability, thoroughness, accuracy, good judgment, initiative, resourcefulness, and the ability to work cooperatively with others.

This position requires the incumbent to 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 to specific tasks, methodologies, materials, tools, and equipment; complete assignments in a timely and efficient manner; and, adhere to departmental policies and procedures.

All California Department of Public Health (CDPH) employees perform work that is of the utmost importance, where each employee is important in supporting and promoting an environment of equity, diversity, and inclusivity, essential to the delivery of the department's mission. All employees are valued and should understand that their contributions and the contributions of their team members derive from different cultures, backgrounds, and life experiences, supporting innovations in public health services and programs for California.

Competencies

The competencies required for this position are found on the classification specification for the classification noted above. Classification specifications are located on the [California Department of Human Resource's Job Descriptions webpage](#).

Job Summary

This position supports the California Department of Public Health's (CDPH) mission and strategic plan by strengthening the state environmental public health and laboratory testing program.

The incumbent works under the general supervision of the Research Scientist Supervisor I, Chief of the Air Quality Section's Laboratory Unit. The Research Scientist II (RS II) – Physical/Engineering Sciences plans, organizes, and carries out collaborative scientific research studies on environmental health problems related to air quality and other harmful chemical exposures related to wildfires, as mandated under Health and Safety Code §425, §105400 et seq., and others, including field sampling

and laboratory analysis of air samples. The RS II also serves as a technical scientific consultant to other scientists and officials within California Department of Public Health (CDPH) and other state, federal, and local agencies.

Special Requirements

- Conflict of Interest (COI)
- Background Check and/or Fingerprinting Clearance
- Medical Clearance
- Travel: up to 10% in state travel
- Bilingual: Pass a State written and/or verbal proficiency exam in
- License/Certification:
- Other:

Essential Functions (including percentage of time)

- 35% Plans, organizes, and conducts laboratory analyses and field sampling on wildfire smoke chemical measurement and control, including particulate matter (PM) and volatile organic compounds (VOCs); develops sampling and exposure assessment strategies by adapting established air quality protocols; and deploys and operates instrumentation to research exposures to airborne pollutants and chemical hazards related to wildfire smoke.
- 25% Makes independent and technical decisions and works with air quality subject matter experts on a wildfire smoke mitigation project to report on key wildfire smoke chemical exposure components, including the feasibility and health equity of recommended clean air solutions for these chemicals.
- 20% Works with the team to review measurement data and the current literature on exposure mitigation to provide technical consultations on wildfire smoke and clean air solutions to state, local, and non-governmental agencies.
- 10% Maintains documentation, laboratory proficiency, and Quality Control functions associated with analytical techniques; performs maintenance on laboratory instruments and equipment; and investigates and develops new technologies and testing methods related to wildfire smoke.
- 5% Provides technical assistance and outreach to the general public on air quality issues.

Marginal Functions (including percentage of time)

- 5% Performs other job related duties.

I certify this duty statement represents an accurate description of the essential functions of this position. I have discussed the duties and have provided a copy of this duty statement to the employee named above.

I have read and understand the duties and requirements listed above and am able to perform these duties with or without reasonable accommodation. (If you believe reasonable accommodation may be necessary, or if unsure of a need for reasonable accommodation, inform the hiring supervisor.)

Supervisor's Name: Zhong-Min Wang	Date	Employee's Name:	Date
Supervisor's Signature	Date	Employee's Signature	Date

HRD Use Only:
Approved By: AC
Date: 11/2024