DUTY STATEMENT

☐ CURRENT ☐ PROPOSED

RPA Number:	Classification Title: **Research Scientist III**	Position Number: **810-XXX-5591-XXX**
Incumbent Name:	Working Title:	Effective Date:
Tenure: **Permanent**	Time Base: **Full-Time**	Intermittent Hours Per Month:
Division/Office: **Multiple Divisions**	Section/Unit: **Various Units**	Reporting Location: **Multiple Locations**
Supervisor's Name:	Supervisor's Classification:	CBID: **R10**
Confidential Designation: ☐ Yes ☒ No	Designated Position for Conflict of Interest: ☒ Yes ☐ No	Position Telework Eligible: ☐ Yes ☐ No
Supervision Exercised: ☒ None ☐ Lead ☐ Managerial ☐ Supervisory		

Human Resources Use Only:		
HR Analyst Approval		
HR Analyst Name	HR Analyst Signature	Date

General Statement

This series specification describes eight professional Research Scientist classes responsible for the direction and conduct of highly specialized public health scientific research necessary to meet the responsibilities of the State to protect and improve the health of its citizens. The purposes of the research conducted are to contribute to the understanding, prevention, and control of illnesses and injuries and to develop public health education and prevention programs that result in reduced morbidity and mortality, and to measure the efficiency of the health care system in reducing morbidity and mortality.

Equity Statement

The Department of Toxic Substances Control (DTSC) values diversity, equity, and inclusion throughout the organization. We foster an environment where employees from a variety of backgrounds, cultures, and personal experiences are welcomed and can thrive. We believe the diversity of our employees is essential to inspiring innovative solutions. Together we further our mission to protect California's people and environment from harmful effects of toxic substances by restoring contaminated resources, enforcing hazardous waste laws, reducing hazardous waste generation, and encouraging the manufacture of chemically safer products.

Position Description

Under general direction, incumbents plan, organize, and direct scientific research studies of a highly developed scientific scope and complexity; make independent, complex decisions in their specific scientific field; may serve as scientific advisors or consultants to other lower-level scientists conducting studies in their specific scientific field of expertise; and adapt methods, techniques, and procedures to carry out assignments. Work and conclusions are accepted as technically authoritative and are reviewed only for meeting the assignment's objectives. Incumbents conduct highly specialized phases of a major scientific project or investigation of sufficient scope to require coordination with professional staff from other State, local, or Federal agencies; present scientific research or investigations conducted to public health experts and the community, and publish research in scientific journals; and perform other related work.

Essential Functions (Including percentage of time)	
30%	This work requires broad knowledge of chemistry in the areas of analytical chemistry, physical chemistry, organic chemistry, and biochemistry. Scientific research and investigation can also be conducted in pharmacology, toxicology, drug chemistry, food chemistry, biochemistry, environmental chemistry, clinical chemistry, immunochemistry, and molecular biology. Research study conclusions are used to improve detection and identification of chemicals and biochemicals including toxic chemicals, metabolites, nutrients, pharmaceuticals, and enzymes; assess environmental fate and transport of chemical pollutants; assess exposure pathways and body burdens of chemical pollutants in humans and biological receptors; assess relationships between body burdens and resultant health or ecological effects; to evaluate environmental or human exposures, effects, or risks; and investigate methods and technologies that have the potential to prevent adverse public and environmental health effects of chemical exposures.
30%	All applicants must possess knowledge of the following, it is expected that the level of sophistication, depth, and thoroughness of public health scientific research knowledge will vary to the class level and scientific specialty: current scientific research literature and trends applicable to the scientific research area; principles and procedures of scientific research planning, design, methodology and analysis; methods of preparation of scientific research reports; scientific statistical methods and procedures; data processing techniques; bibliographic survey or previous related scientific research techniques; determination and qualification of variables and mechanization of compilation of scientific data.
30%	All applicants must demonstrate possession of the following abilities, it is expected that level of attainment will vary relative to the class level: evaluate the adequacy of proposed scientific research designs and techniques; think independently and creatively; establish and maintain cooperative relations with professional staff and with officials of Federal, State, local, university and private research organizations; communicate effectively, prepare scientific articles for publication; prepare scientific reports; provide persuasive and skilled leadership to other staff in scientific research, principles and methods; apply professional scientific knowledge and administrative ability to resolve a variety of situations; analyze situations accurately and take effective action.
5%	Administrative Duties: Reason logically and creatively and utilize a variety of analytical techniques to resolve complex governmental and managerial problems; develop and evaluate alternatives; analyze data and present ideas and information effectively.
Marginal Functions (Including percentage of time):	
5%	Other Related Duties: Consult with and advise administrators or other interested parties on a wide variety of subject-matter areas; and gain and maintain the confidence and cooperation of those contacted during the course of work.

Typical Physical Conditions/Demands:

The job requires extensive use of a company computer and the ability to sit/stand at a desk, utilize a phone, and type on a keyboard for extended periods of time. The incumbent must be able to use a fax, multi-function copier, and other office equipment. The position requires walking—sometimes outdoors in inclement weather, bending and stooping, occasional lifting, grasping, reaching, pulling, and pushing.