State of California
Department of Pesticide Regulation
POSITION DUTY STATEMENT
DPR-217 (Rev. 02/26)

Classification	**Position Number**	**Location**
Research Scientist	814-100-5582-208	Sacramento (Headquarters)
Division/Branch	**Supervisor's Classification**	**Collective Bargaining Identification Designation (CBID)**
Worker Health and Safety Branch	Senior Environmental Scientist (Supervisory)	R10
Conflict of Interest Disclosure: ☒ **Yes** ☐ **No**	**Incumbent (If filled)** VACANT	

☒ **Job requires driving automobile**: In this position, the incumbent may, as needed, drive a state vehicle for work purposes. (Employee must complete DPR-034, Request for Driver Record Information).

SUPERVISORY RESPONSIBILITIES (Check One) ☐ **Managerial** ☐ **Supervisory** ☐ **Lead Person** ☒ **None**

Direct Supervision Exercised:		**Indirect Supervision Exercised:**	
No. of Employees	**Classification Title**	**No. of Employees**	**Classification Title**

I have read and discussed these duties with my supervisor.

Employee Signature	Date

I certify that the DPR-217 accurately represents the duties and responsibilities of the position.

Supervisor Signature	Date

Please Complete Reverse Side

Incumbent: VACANT
Classification: Research Scientist
Position Number: 814-100-5582-208

Description of Duties ***(Attach additional sheets, if necessary, and identify position information)***

Summarize the regularly assigned duties of the position by percentage in descending order. Do not combine distinct activities into a single percentage. Descriptive information should reflect variety and complexity of duties through: supervision exercised and/or received; responsibility for decision making and consequence of error; analytical requirements; special knowledge; skills or abilities required; level, type and frequency of public contact; and unusual working conditions (i.e., field work, bilingual services, etc.); and physical requirements (physical demands, environmental demands).

Percent of Time	Activity
	Under the general supervision of the Senior Environmental Scientist (Supervisory), the Research Scientist will be a member of the Department of Pesticide Regulation's (DPR's) Pesticide illness Surveillance Program (PISP) in the Worker Health and Safety (WHS) Branch. PISP maintains the largest and most comprehensive pesticide illness surveillance database in the nation. The incumbent will perform a range of tasks focused on the evaluation pesticide-related illness data in order to identify illness and exposure trends, as well as risk factors for exposure to assist in the development of mitigation measures. The incumbent may also work collaboratively with scientists across WHS and other branches to support a multi-media and multi-pathway approach to pesticide human health risk analysis and mitigation. **<u>ESSENTIAL FUNCTIONS</u>:**
35%	Conducts detailed evaluation of human health illness investigation reports, pesticide incident reports, medical records and other supporting documents. Identifies sources of illness or injury, prevent or control occurrences, and assess the effectiveness of controls utilizing information obtained from investigative reports, relevant evidence collected, and other accessible resources. Extracts key exposure elements, identifies contributing factors, assesses compliance with pesticide use requirements, and determines the likelihood and severity of exposure for entry into the PISP database.
30%	Conducts systematic data validation of the PISP database to maintain consistency, accuracy, and integrity, while identifying and correcting discrepancies as needed. Prepares data summaries on illness data trends and episode investigations using the PISP database and other resources to support programmatic decision-making. Responds to public inquiries for pesticide illness surveillance data and assists other researchers in interpreting the data.
20%	Plans, organizes, and conducts studies of varying complexity (less to moderate) using scientific principles, and standard epidemiological tools for pesticide data trends and episode investigations to identify the source of illness or injury, prevent or control its occurrence, and measure the effectiveness of those controls. Makes independent, difficult decisions in the area of epidemiology research and illness surveillance; and adapts research methods as needed. Utilizes all available tools to prepare analytical reports to identify emerging hazards, contextualize exposure patterns, support proposed mitigation measures, or evaluate implemented mitigation measures.
10%	Collaborates with other researchers on public health studies involving pesticide exposure and illness. Participates in training, education, and outreach activities related to public health and illness surveillance. Including participating in exposure assessment and field studies and assist in developing mitigation measures as needed to meet Branch goals and objectives. Presents research results to internal and external stakeholders, and the scientific community such as public health experts and the public. Peer reviews scientific reports and provides constructive criticism to the report author. Evaluates, advises and consults on epidemiologic studies submitted by other organizations and researchers. Analyzes legislation and provides analysis and recommendations for amendments to the SES. Maintains awareness of published literature in the area of pesticides and public health to stay abreast of new findings in epidemiology, illness surveillance and public health. Perform related duties as assigned by SES pertaining to pesticide exposure and illness.

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Percent of Time	Activity
5%	**MARGINAL FUNCTIONS:** Represents the Department in interagency workgroups and state, federal and public meetings related to illness surveillance and epidemiology. Performs other duties as assigned. **WORKING CONDITIONS:** • Viewing a computer monitor for up to 8 hours a day • Working in a high rise building. • Lifting office and/or field equipment up to 20 pounds. • Occasional overnight travel. **CRITICAL JOB COMPETENCIES:** Takes Action and Shows Initiative – Works well independently and is self-motivated to take action to meet critical program goals. Sets and monitors own objectives and standards. Initiates appropriate actions and follows through without prompting or close supervision. Demonstrates strong work ethic. Relationship and Partnership Building – Builds and effectively uses relationship networks to achieve goals. Shares knowledge and builds trust with scientific colleagues and superiors. Can be discreet and tactful when dealing with sensitive issues. Effective Communication – Clearly conveys and receives information and ideas through a variety of media. Translates complex or technical information to lay audiences/customers. Facilitates the exchange of ideas and opinions. Teamwork – Facilitate and maintain cooperative working relationships. Work toward accomplishment of group goals. Must value and encourage the input and expertise of others. Foster commitment, team spirit, pride, and trust. Self-Motivation – Optimism, Sustained Commitment, Perseverance and Patience - Demonstrate a bias toward optimism and maintain a sense of humor; retain stamina and bounce back from setbacks. View mistakes as opportunities for growth/positive learning experiences. Organization and Planning – Prioritizes tasks, establishes sequential activities, requests assistance when needed. Technical Credibility – Understands and appropriately apply procedures, requirements, policies, and regulations related to specialized expertise. Integrates technology into the work to improve program effectiveness. Possess up-to-date knowledge in the profession and industry and access other expert resources when appropriate. Translate concepts and ideas into strategies and action steps.