DUTY STATEMENT

Employee Name: Vacant	Current Date: October 2, 2023
Classification: Air Resources Engineer	Position #: 673-450-3735-947
Division/Office: Industrial Strategies Division/Carbon Management Branch	CBID: R09
Section: Strategies Assessment Section	
Supervisor Name: Matt Botill	Supervisor Classification: Air Resources Supervisor I

I certify that this duty statement represents an accurate description of the essential functions of this position.	
Supervisor:	Date:

I have read this duty statement and agree that it represents the duties I am assigned.	
Employee:	Date:

SPECIAL REQUIREMENTS OF POSITION (IF ANY):

☒ Designated under Conflict of Interest Code.
☐ Duties performed may require pre-employment physical.
☐ Duties performed may require drug testing.
☐ Duties require participation in the DMV Pull Notice Program.
☐ Requires the utilization of a 32-pound self-contained breathing apparatus.
☐ Operates heavy motorized vehicles.
☐ Requires repetitive movement of heavy objects.
☐ Works at elevated heights or near fast moving machinery or traffic.
☐ Performs other duties requiring high physical demand. (Explain below):
☐ Duties require use of hearing protection and annual hearing examinations.

SUPERVISION EXERCISED

☒ None	☐ Lead Person
☐ Supervisor	☐ Team Leader

FOR SUPERVISORY POSITIONS ONLY: Indicate the number of positions by classification that this position DIRECTLY supervises: N/A

Total number of positions in Section/Branch/Office for which this position is responsible: N/A

FOR LEADPERSONS OR TEAM LEADERS ONLY:

Indicate the number of positions by classification that this position LEADS: N/A

MISSION OF SECTION:
The Strategies Assessment Section (SAS) supports the deployment of Carbon Capture, Utilization, and Storage (CCUS) and Carbon Dioxide Removal (CDR) approaches needed for California to achieve carbon neutrality by 2045 and in support of national and international efforts to advance CCUS and CDR. As part of this mission, the SAS is responsible for evaluating the efficacy, safety, and viability of CCUS approaches as well as engineered CDR approaches and for developing and/or updating protocols for CCUS and CDR deployment. The section will also develop and implement a permit data portal for CCUS and CDR project applications submitted under CARB-adopted protocols. This section will be responsible for developing regulatory proposals that support the deployment of CCUS and CDR approaches to meet California's carbon neutrality objectives.

CONCEPT OF POSITION:
The primary responsibility of the Air Resources Engineer (ARE) is to use engineering knowledge and skills to support development of complex and highly technical programs and regulations. Under the supervision of an Air Resources Supervisor I, the ARE is responsible for the development of new regulations to reduce greenhouse gas (GHG) emissions, and for providing analysis of effects of programs and regulations that have an impact on the makeup and use of CCUS and CDR. The ARE is part of a team of multidisciplinary staff, collaborating closely with other relevant agencies, developing new policies with agreement from pertinent stakeholders, and providing technology and environmental analysis to fulfill the goals of multiple programs. The ARE coordinates with program staff and develops expertise in climate regulations and programs, including the Carbon Capture and Sequestration (CCS) Protocol, Cap-and-Trade and Low Carbon Fuel Standard programs, 45Q tax credits and other federal incentives, CO_2 pipeline safety standards and regulations, and others. The ARE works with various CARB divisions, CalEPA and other State agencies, and external organizations in the process of conducting technical analysis and developing complex programs and regulations to support CARB's clean air and climate goals. Occasional travel, field and site visits.

% OF TIME	RESPONSIBILITIES OF POSITION
35% - E	Using engineering knowledge and skills, performs engineering evaluation of existing and emerging CCUS and CDR approaches. Uses engineering knowledge and skills in evaluating data sources, literature, and other resources to evaluate the greenhouse gas and air pollution reduction potential from CCUS, CDR, and other emerging carbon management technologies. Determines the feasibility, cost effectiveness, environmental,

	and health impacts of control strategies and regulations. Writes and completes clear and accurate technical reports and documentation related to strategy evaluations.
20% - E	Uses engineering knowledge and skills to collect and utilize technical data on CCUS and CDR strategies necessary for regulatory/protocol development. Plans and organizes new engineering studies to develop data to support emissions evaluations on various CCUS and CDR approaches and oversees contract(s) necessary to conduct additional engineering analysis. Conducts surveys, develops presentations, fact sheets, and other educational materials.
15% - E	Supports the Branch and Division in evaluating CCUS and CDR project applications submitted under CARB-adopted protocol(s). Writes and completes clear and accurate technical reports and documentation related to project review.
10% - E	Coordinates and participates in meetings, workshops and telephone conferences with other governmental agencies, industry representatives, environmental groups and other interested parties related to the reduction of GHGs and the deployment of CCUS and CDR approaches.
10% - E	Reviews correspondence, technical reports, and other documentation in support of the tasks described above.
10% - M	Communicates with stakeholders, answer general inquiries, provides assistance to other sections, branches, or divisions.