DUTY STATEMENT

Employee Name: Vacant	Current Date: 3/14/2025
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: Vacant	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) technologies and projects, consistent with the mandates of Senate Bill 905 (Caballero, 2022). The 2022 Update to the CA Scoping Plan identified deploying CCUS as a critical strategy to support California's ability to achieve carbon neutrality by 2045. SAS is responsible for developing and administering CARB's CCUS Program. SAS staff evaluate the efficacy, safety, and viability of CCUS and DAC technologies. SAS staff are also responsible for the development and implementation of regulations that define financial assurance, monitoring, reporting and other requirements for CCUS and CDR projects. Section staff also develop and update protocols to support CCUS and CDR deployment and are responsible for designing and administering a voluntary, streamlined permit application and data portal to assist CCUS and CDR project permitting. This work requires close collaboration with a number of other state agencies and a wide range of stakeholders and the team works with and manages contractors contributing to these efforts.

CONCEPT OF POSITION:
Under the direction of the Air Resources Supervisor I (ARSI), the Air Resources Engineer (ARE) utilizes engineering knowledge and expertise to develop and implement highly technical programs and regulations for CARB's Carbon Capture, Utilization, and Storage (CCUS) Program. The ARE is part of a multidisciplinary team, collaborating with internal and external stakeholders including other CARB divisions, government agencies, policymakers, industry, and environmental organizations. The individual in this position will apply knowledge in CCUS projects and technologies, air quality and other monitoring requirements that protect public health and the environment, facility permitting and other CCUS project engineering topics to support the team. The ARE will evaluate emerging technologies, perform engineering analyses, and develop and assist in the implementation of regulatory requirements. The ARE may represent the agency in public forums, respond to inquiries, and prepare reports and correspondence related to CCUS deployment.

% OF TIME	RESPONSIBILITIES OF POSITION
35%- E	Develops and implements CCUS Program regulations and protocols, providing expertise in technologies, project development, monitoring and permitting requirements. Analyzes existing permitting and monitoring requirements applicable to CCUS projects and applies this knowledge to develop regulatory proposals. Works with stakeholders on the development

	of regulations. Monitors compliance with regulations and project development to identify areas for additional rules or protocol development.
25% - E	Conducts engineering evaluations by performing engineering, research, and technical assessments of existing and emerging CCUS technologies and projects. Analyzes feasibility, cost effectiveness, and potential environmental/health impacts, and provides recommendations to management and program staff.
20% - E	Applies engineering methods and principles to analyze and manage technical data by collecting, interpreting, and compiling technical information on GHG reduction potentials associated with CCUS approaches. Oversees engineering studies, contracts, and surveys to inform data-driven policy decisions and ensure the accuracy of related analyses. Drafts technical reports and documentation that clearly communicate findings, strategies, and recommended actions to reduce GHG emissions.
15% - M	Engages in stakeholder outreach, coordinating and participating in meetings, workshops, and other communications with government agencies, industry, environmental groups, and the public to discuss CCUS issues. Presents technical analyses, responds to inquiries, and fosters productive interactions that enhance the program's effectiveness.
5% - M	Performs other duties as required, including providing assistance to other CARB teams, travel occasionally for field/site visits, and complete special assignments to support the goals of the Division.