DUTY STATEMENT

Employee Name: Vacant	Current Date: March 5, 2025
Classification: Air Resources Engineer	Position #: 673-450-3735-020
Division/Office: Industrial Strategies Division/ Transportation Fuels Branch	CBID: R09
Section: Fuel Project Evaluation Section	
Supervisor Name: Jeffery Coronado	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 Fuel Project Evaluation Section (FPES) is responsible for providing a broad range of credit application support services to all project-based crediting in the Low Carbon Fuels Standard (LCFS) program and actions associated with carbon intensity reductions in conventional petroleum fuels supply chains. This includes processing applications for the refinery investment credits, renewable hydrogen used to make conventional fuels, innovative crude projects, low complexity/low-energy-use refinery credits; and providing support on certification and monitoring of fuel pathways involving co-processing of low carbon intensity (CI) feedstock and livestock digester projects producing renewable natural gas for transportation use. Expertise in the section extends to CI calculation of conventional fuel supply chains using tools such as the Oil Production Greenhouse Gas Emissions Estimator (OPGEE).

CONCEPT OF POSITION:

Under the direction of the Air Resources Supervisor I (ARSI), the Air Resources Engineer (ARE) utilizes engineering skills and expertise to review and analyze fuel pathway and project-based crediting applications, performs refinery modeling and develops lifecycle analysis methodologies, emissions estimates, and documentation for use in the LCFS regulation and other California Air Resources Board (CARB) programs. The position requires close interaction and teamwork with other CARB staff, as well as a variety of internal and external stakeholders, including other CARB divisions, government agencies, policymakers, industry, environmental organizations, and the public. The ARE may also represent the agency in various joint operations, speak before groups, answer inquiries, and prepare reports and correspondence. Up to 5% in-state and out-of- state travel may be required for workshops, training and meetings.

% OF TIME	RESPONSIBILITIES OF POSITION
25%-E	Using engineering principles, reviews and evaluates greenhouse gas (GHG) emission reduction applications related to petroleum refining, crude oil production, and projects involving carbon capture and sequestration. Assists applicants in developing robust GHG reduction quantification and verification methods on a case-by-case basis.
25%-E	Using engineering principles, reviews and evaluates applications for fuel pathways using co-processing. Consults with academics, researchers and industry experts to develop robust technical protocols used to evaluate projects involving co-processing of biomass with petroleum feedstocks in refineries. This includes the development of analytical methodologies to support the

	quantification of fuel volumes and GHG emissions from co-processing operations.
20%-E	Using engineering principles, analyzes life cycle inventory data available from peer-reviewed literature, governmental reports and studies and conducts refinery modeling to inform updates to CARB's tools used in the calculation of greenhouse gas emissions from transportation fuels. Develop refinery expertise by working collaboratively with universities, national labs, the refinery industry and other related stakeholders.
20%-E	Prepares correspondence, briefing and issue papers to inform senior management of activities related to petroleum project applications and co-processing pathways. Represents CARB in meetings, workshops, and hearings and interacts with stakeholders to maintain positive and productive relationships. This may include making presentations and/or providing other program related information at public forums.
10%-M	Responds to special requests and performs other duties as required to support the activities of the section, branch, and division.