

**DUTY STATEMENT**

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Employee Name: vacant	Current Date: December 2024
Classification: Air Resources Engineer	Position #: 673-910-3735-039
Division/Office: Emissions Certification and Compliance Division	CBID: R09
Section: Aftermarket Diesel and Off-Road Section	
Supervisor Name: Yong Yu	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**

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Lead Person
<input type="checkbox"/> Supervisor	<input type="checkbox"/> Team Leader

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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 Aftermarket Diesel and Off-Road Section is responsible for evaluating performance parts and retrofit systems to ensure they have no negative impact on vehicle/engine emissions. The evaluation process involves technical assessment, design, and monitoring of test programs and analysis of emission test data. The section recommends approval of parts that comply with the procedures, allowing manufacturers to sell their products in California. The section also issues experimental permits and conducts special studies related to emissions of aftermarket parts.

CONCEPT OF POSITION: Under supervision of the section manager, engineers in the section evaluate designs and test data of aftermarket parts and retrofit systems and may observe installation and testing of the selected device at the manufacturer's chosen independent laboratory. They will perform engineering evaluations to determine the effect of performance parts on emissions, analyze vehicle/engine emission data, prepare reports and other technical documentation for approval, develop pertinent engineering test procedures for emission compliance testing and prepare necessary correspondences and guidelines to applicants. Evaluation of parts may also involve review of manufacturer durability test plans, on-board diagnostics II (OBD II) compliance, and impact on vehicle auxiliary emission control devices. Engineers in this section also support the Verification database, conduct warranty report reviews, support the warranty database, support potential recall activities, and may conduct audits relating to aftermarket diesel particulate filters. Engineers in the section may be assigned to assist in the development of new regulations pertaining to emerging aftermarket areas. Headquarters and reporting location for this position is located at CARB So Cal Headquarters office: 4001 Iowa Avenue, Riverside CA 92507.

<u>% OF TIME</u>	<u>RESPONSIBILITIES OF POSITION</u>
25% E	Conduct engineering review and evaluation of complicated applications for Vehicle Code section 27156 or 38391 exemption of devices which alter or modify a vehicle's or engine's emission control system. Apply engineering knowledge, skills, and principles to review, evaluate and interpret of aftermarket device operation and emission data to determine the potential impact of a device on vehicle performance, on-board diagnostic II system function, emissions, and durability. Observe testing of manufacturer test vehicle(s) or other activities related to processing of an application if needed.

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20% E	Prepare necessary engineering correspondence and instructions to aftermarket parts or device applicants, including the test protocol to be followed. Prepare engineering technical reports with recommendations for granting or denying issuance of an Executive Order.
15% E	Perform engineering review of durability test plans, vehicle application lists, test vehicle selection and engineering evaluation criteria to determine compliance with regulatory requirements for Aftermarket Parts. Provide engineering review and evaluation of regulations and test procedures for the Aftermarket Diesel and Off-Road Section.
15% E	Develop future aftermarket parts concepts and regulatory requirements. Prepare documents for internal and external use for program and regulatory development, including technical feasibility studies, regulations, and economic impact assessments.
10% E	Review warranty reports and take appropriate actions. Support, modify, and develop section databases. Conduct audits of aftermarket parts including DPFs.
10% E	Investigate and evaluate emission related non-compliances and determine root cause and appropriate remedies. Work with the section manager, legal department, enforcement staff, and affected manufacturers on appropriate follow up actions.
5% M	Provide the Motor Vehicle Service Information Request (SIR) to CARB staff. Conduct audits of Motor Vehicle Service Information for OEMs. May perform other duties related to and under the scope of the classification.