

State of California
AIR RESOURCES BOARD

Resolution 77-5

January 25, 1977

WHEREAS, Section 39601 of the Health and Safety Code authorizes the Air Resources Board to adopt standards, rules, and regulations necessary for the proper execution of the powers and duties granted to and imposed upon the Board by law;

WHEREAS, Sections 43101 and 43104 of the Health and Safety Code authorize the Board to adopt vehicle emission standards in order to control or eliminate air pollution caused by motor vehicles;

WHEREAS, the Board has found that more stringent exhaust emission standards for passenger cars, light-duty trucks, and medium-duty vehicles are needed to achieve the ambient air quality standards in the South Coast Air Basin and in other areas of the State;

WHEREAS, on October 7 and 8, 1976 the Air Resources Board staff conducted a workshop with representatives of motor vehicle manufacturers to discuss the costs and technological feasibility of more stringent exhaust emission standards for passenger cars, light-duty trucks, and medium-duty vehicles, and to discuss needed changes to the Board's test procedures for such vehicles;

WHEREAS, based on information presented at the October 7 and 8 meetings, at the Board's November 23, 1976 meeting and on information previously submitted to the Board and to the U.S. Environmental Protection Agency the Board has found that more stringent exhaust emission standards for passenger cars, light-duty trucks, and medium-duty vehicles are, commencing with the 1982 model-year, both technologically feasible and cost/effective;

WHEREAS, on January 6 and 7, 1977 the Air Resources Board conducted a workshop with representatives of motor vehicle manufacturers, independent research organizations and the academic community to discuss photochemistry and transport phenomena related to air quality in the South Coast Air Basin;

WHEREAS, a public hearing and other administrative proceedings have been held in accordance with the provisions of the Administrative Procedure Act (Government Code, Title 2, Division 3, Part 1, Chapter 4.5);

NOW, THEREFORE, BE IT RESOLVED, that the Board hereby amends its regulations in Section 1960, Article 2, Subchapter 3 of Title 13, California Administrative Code as follows:

1960.

Exhaust Emission Standards and Test Procedures - 1980 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles.

- (a) The exhaust emissions from new 1980 and subsequent model passenger cars, light-duty trucks and medium-duty vehicles, subject to registration and sold and registered in this state, shall not exceed:

<u>Model-Year</u>	<u>Vehicles</u>	<u>Exhaust Emission Standards</u> (grams per mile)			
		<u>Equivalent Inertia Weight (lbs)</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Oxides of Nitrogen (NO₂)</u>
1980	Passenger cars (PC)	All	0.41	9.0	1.0
	Light-Duty Trucks (LDT)	0-3999	0.41	9.0	1.5
	Light-Duty Trucks (LDT)	4000-5999	0.50	9.0	2.0
	Medium-Duty Vehicles (MDV)	All	0.9	17	2.3
1981	PC	All	0.41	9.0	1.0
	LDT and MDV	0-3999	0.41	9.0	1.0
	LDT and MDV	4000-5999	0.50	9.0	1.5
	MDV	6000 and larger	0.60	9.0	2.0
1982	PC	All	0.41	9.0	0.4*
	LDT and MDV	0-3999	0.41	9.0	1.0
	LDT and MDV	4000-5999	0.50	9.0	1.5
	MDV	6000 and larger	0.60	9.0	2.0
1983 and later	PC	All	0.41	9.0	0.4*
	LDT and MDV	0-3999	0.41	9.0	0.4*
	LDT and MDV	4000-5999	0.50	9.0	1.0*
	MDV	6000 and larger	0.60	9.0	1.5*

*Except that the applicable 1981 model-year Nox standards shall apply to engine families which are certified under the "Optional 100,000 Mile Certification Procedure."

- (b) Vehicles may be certified under the "Optional 100,000 Mile Certification Procedure" only if the vehicle manufacturer agrees to apply to such vehicles the provisions of Section 43204 of the California Health and Safety Code for a period of ten years or 100,000 miles, whichever first occurs.
- (c) The test procedures for determining compliance with these standards are set forth in "California Exhaust Emission Standards and Test Procedures for 1980 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles," adopted by the Air Resources Board November 23, 1976, as last amended January 25, 1977.