

State of California
AIR RESOURCES BOARD

Addendum to the Final Statement of Reasons for Rulemaking

AMENDMENTS TO THE LEV III CRITERIA POLLUTANT REQUIREMENTS FOR LIGHT- AND MEDIUM-DUTY VEHICLES, THE HYBRID ELECTRIC VEHICLE TEST PROCEDURES, AND THE HEAVY-DUTY OTTO-CYCLE AND HEAVY-DUTY DIESEL TEST PROCEDURE

Public Hearing Date: October 23, 2014

Agenda Item: 14-8-1

Addendum Prepared: October 2, 2015

I. Background

On September 2, 2015, the Air Resources Board (ARB or Board) submitted the Final Statement of Reasons (FSOR) for the “Amendments to the LEV III Criteria Pollutant Requirements for Light- and Medium-Duty Vehicles, the Hybrid Electric Vehicle Test Procedures, and The Heavy-Duty Otto-Cycle and Heavy-Duty Diesel Test Procedure” to the Office of Administrative Law (OAL) for its review and approval.

In the course of its review, OAL questioned a regulatory change that it interpreted as potentially substantive, but was never noticed. Specifically, OAL commented that on page 6 of the Final Regulation Order, the text in the table (§1961.2(a)(1)) says “MDVs 8501-10,000 lbs GVWR excluding MDPVs”. The words “excluding MDPVs” are new and were never shown in underline. Seems like a substantive change. This issue is addressed below.

LEV III Exhaust Mass Emission Standards for New 2015 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles ³						
Vehicle Type	Durability Vehicle Basis (mi)	Vehicle Emission Category ²	NMOG + Oxides of Nitrogen ⁴ (g/mi)	Carbon Monoxide (g/mi)	Formaldehyde (mg/mi)	Particulates ¹ (g/mi)
All PCs; LDTs 8500 lbs. GVWR or less; and MDPVs Vehicles in this category are tested at their loaded vehicle weight	150,000	LEV160	0.160	4.2	4	0.01
		ULEV125	0.125	2.1	4	0.01
		ULEV70	0.070	1.7	4	0.01
		ULEV50	0.050	1.7	4	0.01
		SULEV30	0.030	1.0	4	0.01
		SULEV20	0.020	1.0	4	0.01
MDVs 8501 - 10,000 lbs. GVWR, excluding MDPVs Vehicles in this category are tested at their adjusted loaded vehicle weight	150,000	LEV395 ^{5,6}	0.395	6.4	6	0.12
		ULEV340 ^{5,6}	0.340	6.4	6	0.06
		ULEV250	0.250	6.4	6	0.06
		ULEV200	0.200	4.2	6	0.06
		SULEV170	0.170	4.2	6	0.06
		SULEV150	0.150	3.2	6	0.06
MDVs 10,001-14,000 lbs. GVWR Vehicles in this category are tested at their adjusted loaded vehicle weight	150,000	LEV630 ^{5,6}	0.630	7.3	6	0.12
		ULEV570 ^{5,6}	0.570	7.3	6	0.06
		ULEV400	0.400	7.3	6	0.06
		ULEV270	0.270	4.2	6	0.06
		SULEV230	0.230	4.2	6	0.06
		SULEV200	0.200	3.7	6	0.06

¹ These standards shall apply only to vehicles not included in the phase-in of the particulate standards set forth in subsection (a)(2).

² The numeric portion of the category name is the NMOG+NOx value in thousandths of grams per mile.

³ These standards apply at both low altitude and high altitude except as noted in footnote 4.

⁴ The LEV III NMOG+NOx 150,000-mile exhaust mass emission standards for passenger cars and light-duty trucks that apply at high-altitude conditions are: 0.160 g/mi for LEV160 and ULEV125; 0.105 g/mi for ULEV70; 0.070 g/mi for ULEV50; and 0.050 g/mi for SULEV30 and SULEV20.

⁵ These vehicle emission categories are only applicable for the 2015 through 2021 model years.

⁶ The following NOx standards also apply for certification testing with emission-data vehicles: 0.2 g/mi for LEV395 and ULEV340; 0.4 g/mi for LEV630 and ULEV570.

This text corrects an accidental omission to the language and is a non-substantive change because (1) the requirements (vehicle emission categories and standards) that apply to MDPVs are specifically identified in the row above as shown in yellow highlight and (2) all other references to the LEV395, ULEV340, ULEV250, ULEV200, SULEV170,

and SULEV150 MDV vehicle categories within this section §1961.2 specifically exclude MDPVs (§1961.2(a)(4)(A) and (B); §1961.2(a)(8)(A)1 and 2; §1961.2(b)(3); §1961.2(c)(2)(A) and (B). Furthermore, the added text “excluding MDPVs” makes this table consistent with the applicable test procedure language that was approved by OAL on August 7, 2012. (The board hearing at which OAL approved the test procedure language is <http://www.arb.ca.gov/regact/2012/leviiighg2012/leviiighg2012.htm>. The language in question is in the table on page E-5 of "California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" <http://www.arb.ca.gov/regact/2012/leviiighg2012/lev2.pdf>.