

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC) Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following on-road motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

| ENGINE DESCRIPTION | | | | | | | |
|--|------------------------------|-----------------|--------------------|--|---------------------|---|----------------------------|
| MANUFACTURER | MODEL YEAR | EXECUTIVE ORDER | ENGINE FAMILY | INTENDED SERVICE CLASS | ENGINE SIZE (liter) | FUEL TYPE | STANDARDS & TEST PROCEDURE |
| GENERAL MOTORS CORPORATION | 2005 | A-006-1255 | 5GMXH08.1502 | HDO | 8.1 | Gasoline | Otto |
| L/MWH HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy-duty Otto; CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas | | | | | | | |
| Gasoline, LPG or Alcohol Vehicles Only | | | VEHICLE MODEL YEAR | VEHICLE MAKE & MODELS | | ENGINE MODELS / CODES (rated power in horsepower, hp) | |
| EVAPORATIVE FAMILY | FUEL TANK CAPACITY (gallons) | | 2005 | | | | |
| 5GMXE0459998 | 35 / 50 / 70 / 75 / 100 | | | C8: Chevrolet Kodiak C8500, GMC Topkick C8500 C7: Chevrolet Kodiak C7500, GMC Topkick C7500 | | L18 / 10 (225 hp), L18 / 20 (295 hp) | |
| 5GMXE0459998 | 35 / 50 / 70 / 75 / 100 | | | C8: Chevrolet Kodiak C8500, GMC Topkick C8500 | | L18 / 20 (295 hp) | |

The following are the exhaust emission standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) in grams per brake horsepower-hour (g/bhp-hr) for this engine family for hydrocarbon (HC) or non-methane HC (NMHC), oxides of nitrogen (NOx), or NMHC+NOx, carbon monoxide (CO) [except that "diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Part 86, Subpart A, Section 86.091-23(c)(2)(i) in lieu of testing], particulate matter (PM), and formaldehyde (HCHO) under the "Federal Test Procedure" (FTP) (Title 13, California Code of Regulations, (13 CCR) Section 1956.1 (urban bus) or 1956.8 (other than urban bus)): (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR Section 1956.1 or 1956.8 are in parentheses.)

| ** not applicable | [g/bhp-hr] | HC | NMHC | NOx | NMHC+NOx | CO | PM | HCHO |
|-----------------------------|------------|----|------|-----|----------|------|----|------|
| (DIRECT) STANDARD | | * | * | * | 1.5 | 37.1 | * | * |
| CORPORATE AVERAGE STANDARD | | * | * | * | * | * | * | * |
| FAMILY EMISSION LIMIT (FEL) | | * | * | * | * | * | * | * |
| CERTIFICATION LEVEL | | * | * | * | 0.6 | 2.8 | * | * |

BE IT FURTHER RESOLVED: That certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: That the listed engine models have been certified to the Option 1 federal NMHC+NOx emission standard listed above pursuant to 13 CCR Section 1956.1 or 1956.8.

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labels), 1976(b)(1)(B) and (C) (evaporative emission standards), 2035 et seq. (emission control warranty), and 2235 [fill pipes and openings of motor vehicle fuel tanks]. (The braces { } are for gasoline, LPG or alcohol fueled vehicles only. The brackets [] are for gasoline or alcohol fueled vehicles only.)

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 6TH day of May 2004.



Allen Lyons, Chief
Mobile Source Operations Division