



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

**IT IS ORDERED AND RESOLVED:** That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	TEST GROUP	VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW)	EXHAUST EMISSION STANDARD CATEGORY (LEV=low emission vehicle; TLEV=transitional LEV; ULEV=ultra LEV; SULEV=super ULEV)	EXHAUST / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)
2003	3GMXT05.3184	MDV; 5,751-8,500 pounds ALVW	LEV	120K / 120K (EVAF1, 2, 3), 150K (EVAF4, 5, 6)	Gasoline (Indolene)
No.	EVAPORATIVE FAMILY (EVAF)	No.	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS (ECS)	* = not applicable	
1	3GMXE0223926	1	SFI, 2TWC, 2HO2S(2), OBD (P)	OC/TWC=oxidizing/3-way cat. ADSTWC=adsorbing TWC WU= warm-up cat. O2S/HO2S=oxygen sensor/heated O2S AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaust gas recirculation AIR/PAIR=secondary air injection/pulsed AIR MFI/SFI= multiport fuel injection/sequential MFI TBI= throttle body injection TC/SC=turbo /super charger CAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=parallel (2) suffix=series	
2	3GMXE0133916	2	*		
3	3GMXE0111911	3	*		
4	3GMXE0223956	4	*		
5	3GMXE0133954	5	*		
6	3GMXE0111952	6	*		
EVAF No.	ECS No.	ENGINE SIZE (L)	VEHICLE MAKES & MODELS	VEHICLES SUBJECT TO SFTP STANDARDS ARE UNDERLINED	ABBREVIATIONS: *
1	1	5.3	Chevrolet G1500/2500 Chevy Van/Express 2WD, H1500/2500 Chevy Van AWD, H1500 Chevy Express AWD, G15/25 Chevy Van 2WD Conv., H1500 Chevy Van AWD Conv.; GMC G1500/2500 Savana 2WD Cargo/Passenger, H1500/2500 Savana Cargo AWD, H1500 Savana Passenger Van AWD, G15/25 Savana 2WD Cargo Conv., H15/25 Savana AWD Cargo Conv.		
2	1	4.8	Chevrolet K1500 Silverado 4WD; GMC K1500 Sierra 4WD		
3	1	4.8	Chevrolet C1500 Tahoe 2WD, K1500 Tahoe 4WD; GMC C1500 Yukon 2WD, K1500 Yukon 4WD		
4	1	5.3	Chevrolet G1500/2500 Chevy Van/Express 2WD, H1500/2500 Chevy Van AWD, H1500 Chevy Express AWD, G15/25 Chevy Van 2WD Conv., H1500 Chevy Van AWD Conv.; GMC G1500/2500 Savana 2WD Cargo/Passenger, H1500/2500 Savana Cargo AWD, H1500 Savana Passenger Van AWD, G15/25 Savana 2WD Cargo Conv., H15/25 Savana AWD Cargo Conv.		
5	1	4.8	Chevrolet K1500 Silverado 4WD; GMC K1500 Sierra 4WD		
6	1	4.8	Chevrolet C1500 Tahoe 2WD, K1500 Tahoe 4WD; GMC C1500 Yukon 2WD, K1500 Yukon 4WD		

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

NMOG FLEET AVERAGE [g/mi]		NMOG @ RAF=1.0 CH4 RAF = *		NMOG or NMHC STD [g/mi]	CH4=methane NMOG=non-CH4 organic gas NMHC=non-CH4 hydrocarbon CO=carbon monoxide NOx=oxides of nitrogen HCHO=formaldehyde PM=particulate matter RAF=reactivity adjustment factor 2/3 D [g/test]=2/3 day diurnal+hot-soak RL [g/mi]=running loss ORVR [g/gallon dispensed]=on-board refueling vapor recovery g=gram mg=milligram mi=mile K=1000 miles F=degrees Fahrenheit SFTP=supplemental federal test procedure											
CERT	STD	NMOG CERT [g/mi]	NMHC CERT [g/mi]		CO [g/mi]		NOx [g/mi]		HCHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]			
*	*				CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD		
	@ 50K	0.076	*	0.195	1.9	5.0	0.1	0.6	1	22	*	*	0.1	1.2		
	@ UL	0.089	*	0.280	2.4	7.3	0.2	0.9	2	32	*	*	0.2	1.8		
	@ 50°F & 4K	0.125	*	0.390	2.1	5.0	0.04	0.6	1	44	*	*	*	*		
CO [g/mi] @ 20°F & 50K	SFTP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV) SFTP 2 = @ UL (Tier 1, TLEV)	NMHC+NOx [g/mi] (composite)		CO [g/mi] (composite)		NMHC+NOx [g/mi] [US06]		CO [g/mi] [US06]		NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]				
CERT	4.1	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD			
STD	12.5	SFTP 1	SFTP 2	*	*	*	*	0.03	0.60	3.4	11.8	0.05	0.44	1.7	4.0	
		SFTP 1	SFTP 2	*	*	*	*	*	*	*	*	*	*	*	*	
@ UL	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				EVAPORATIVE FAMILY 4			
	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR
CERT	0.6	0.5	0.00	*	1.0	1.4	0.00	*	1.3	1.4	0.00	*	0.78	0.53	0.00	*
STD	2.5	3.0	0.05	*	2.5	3.0	0.05	*	2.0	2.5	0.05	*	0.90	1.15	0.05	*
@ UL	EVAPORATIVE FAMILY 5				EVAPORATIVE FAMILY 6				EVAPORATIVE FAMILY 7				EVAPORATIVE FAMILY 8			
	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR
CERT	0.59	0.56	0.00	*	0.60	0.60	0.00	*	*	*	*	*	*	*	*	*
STD	0.90	1.15	0.05	*	0.90	1.15	0.05	*	*	*	*	*	*	*	*	*

**BE IT FURTHER RESOLVED:** That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.1 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).



California Environmental Protection Agency

**AIR RESOURCES BOARD**

GENERAL MOTORS CORPORATION

**EXECUTIVE ORDER A-006-1102-1**  
New Passenger Cars, Light-Duty Trucks  
and Medium-Duty Vehicles

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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. This Executive Order hereby supersedes Executive Order A-006-1102 dated March 4, 2002.

Executed at El Monte, California on this 15<sup>th</sup> day of October 2002.

Allen Lyons, Chief  
Mobile Source Operations Division