Californ	in Environmental Protection /	Agency
ン 三AIR	RESOURCES	BOARD

GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-006-1470 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

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

					T										
MODEL YEAR		TEST GROUP			(Pi Mi	VEHICLE TYPE C=passenger car; LDT=light-dut DV=medium-duty vehicle; LVW= vehicle weight; GVW=gross V		EXHAUST EMISSION STANDARD CATEGORY (LEV=low emission vehicle; TLEV= transitional LEV; ULEV=ultra LEV; SULEV=super ULEV) SULEV=super ULEV)			EXHAUST & ORVR / EVAPORATIVE USEFUL LIFE (UL)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas;			
2008 8GMXT05.3381			381		LDT: >6000# GVW		l u	SEPA Bin 4 ARB "LEV fi" UL		(miles) 120K / 150K	Flexible Fuel:				
No.	EVA	POR/	ATIVE EVAF)		No.	SPECIAL FEAT	URES			_		Ethanol (E85) / Gasoline (Tier 2 Unieaded)			
1			76820	8	-	EMISSION CONTROL	SYSTE	MS (ECS)	* = not applicabi	le 🖁	WU= warm-up cat. 028/HO	at ADSTWC=adsorbing TWC			
2			23840	B	1 SFI, 2TWC, 2HO			2S(2), OBD (F)			WU= warm-up cat. O23/HO2S=0xygen sensor/heated O2S AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaust gas recirculation AIP/0 AIP=				
- +	0.9 m	ARUZ	23840		2		•		AIR MEUSEle multiment association air injection/pulsed						
3			3				•			TBI= throttle body injection TC/SC=turbo /super charger GAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=nacilal (2) affinite prefix and the super charger					
EVAP	- E	CS	ENGI	NE		VEHICLE				1. N	diagnostic prefix 2=paralle	D (F) / (P)=full /partial on-board			
No.		Vo.	SIZE			MAKES & MODELS	VEH STAI	ICLES SUBJ	ECT TO SFTP		BREVIATIONS:	(2) SUTTIX=Series			
1		1	5.3			Chevrolet: C1	500 Tak	DE 2WD KIE	OO Tabaa ditim	L					
2		1	5.3			Chevrolet: K1500 Av	alanche	tkon 2WD, K1 4WD, K1500	500 Yukon 4WD, (C15	iverado 2WD, K15 Silver Sierra 2WD, K15 Sierra 4 D Avalanche 2WD, C1500 ado 4WD	rado 4WD; IWD			
2		1	5.3	-+				C15 Silva	rade 2000 KAS 6	100	Avaianche 2WD, C1500	Suburban 2WO			
						<u>940. 1150</u>		<u>1 AL 4WD, C1</u>	500 Yukon XL 2W	'D, C	ado 4WD 15 Sierra 2WD, K15 Sier				

The exhaust and evaporative emission standards (STD), as requested by the manufacturer, and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, 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

NMOG FLEET AVERAGE [g/mi]			NMOG @ CH4 F	RAF = * (*); RAF = *	INMOG or	CH4=met	hane NM In HCHC	G=non-Ci	i4 organic byde Pk	gases	NMHC=n	on-CH4 hydro	carbons C	O=carbon r	Poporide	
CEF		STD	CERT NMHC		NMHC STD [g/mi]	i diumal+h ing≡miliig	nam m	RL (g/mi)≃r I≖mile K	unning lo	25 UK/	VR (p/astin	n disease - r	=On-board n	efueling you	213 0 [g/]	es(j=2/3 da)
0.04	17	0.050				L 60			Ox [g/m			Fahrenheit [mg/mi]	SFTP=supplemental f PM [g/mi]		eueral test procedure	
		@ 50K				CERT	STD	CER		fo 🕂	CERT	STD	PM IS		Hwy NO	Dx [g/mi]
cere o		AR DOL	-	•	•	•				<u>; </u>	JULAT		CERT	STD	CERT	STD
		QUL	0.062		0.070	+				-	*	1 + 1	*	+		
Section in the		W UL	(0.065)	-	(0.070)	1.0	2.1	0.04	4 0	.04	1	11				
	@ 50	°F & 4K	*		(0.070)	(0.9)	(2.1)	(0.0;	2) (0.	04)	Ċ.	(11)	*	0.01 (0.01)	0.01	0.05
CO	las las 17	97.			L	1 -	*	+		• [*	<u> </u>		10.01	(0.01)	(0.05)
@ 20	₩F&	51 LE	= @ 4K (SUL) V) or 50K (T)		NMHC+N (comp	Ox [g/mi]	<u>, co</u>	(g/mi)	T NM	IC+NO	x	CO [g/mi]			4	*
	ĸ	SFTP 2	= @ UL (Tier	1, TLEV)	CERT	STD	CERT	STD	CERT	1050	<u>e</u>	_[US06]	[g/ml	IC+NOx] [SC03]		[g/mi] C031
CERT	(2.1)			@4K	•	•	*		UERI	ST		RT STC	CERT	STD	CERT	STD
STD	(12.5)			@ UL				ļ	(0.1)	(0.	4) (7	.0) (10.5) (0.04)	(0.31)	(1.0)	13.67
			TIVE FAM	_	(0.08)	(0.97)		i *	•						+	(3.5)
@ UL	ᄚᆘᄔ <u>ᆞᆕᆕ</u>				ĒVĀ	PORATIVE	FAMILY	FAMILY 2			{7.			l [~]	(1.1)	(5.6)
CERT	3-D	2-D		ORVR	3-D	2-D	RL			_	ATIVE FAMILY 3		EVAPORAT		VE FAMILY 4	
	0.55	0.38		(0.03)	0.71		0.00		3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR
STD	0.90	1.15	0.05	0.20	0.90			(0.03)	_	•		+	+			URVR
_						1.10	0.05	0.20		*	+			+		

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title BE IT FURTHER RESOLVED: I nat for the listed vehicle models, the manufacturer has attested to compliance with little 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [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).

BE IT FURTHER RESOLVED: That the listed vehicle models are permitted intermediate in-use compliance standards pursuant to Title 40, Code of Federal Regulations (40 CFR), Section 1811-04(p).

BE IT FURTHER RESOLVED: That the listed vehicle models are federally certified, and are certified under the provisions of

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

28 day of March 2007.

Annette Hebert. Chief Mobile Source Operations Division