Coliforn	in Environmental Protection /	lgency
	RESOURCES	BOARD

GENERAL MOTORS CORPORATION

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 TEST GROUP			GROUP	(PC	VEHICLE TYPE =passenger car; LDT=light-duty ()V=medium-duty vehicle; LVW=lo	STANDA {LEV=low em transitional 1	ST EMISSION RD CATEGORY Ission vehicle; TLEV EV; ULEV=utra LEV;	EXHAUST & ORVR / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)						
2008 8GMXV03.9052			V03.9052	+	vehicle weight; GVW=gross VW PC	'I	115	/=super ULEV) SEPA Bin 5 ARB "LEV II" LEV	/ 120K / 150K	Flexible Fuel: Ethanol (E85) / Gasoline (Tier 2 Unleaded)					
No.	EVAPORATIVE FAMILY (EVAF) 8GMXR0133810 1				SPECIAL FEAT EMISSION CONTROL S SFI,TW	SYSTE	& MS (ECS) S(2),OBD (F)	• = not applicable	OC/TWC=oxtidizing/3-way cat. ADSTWC=adsorbing T WU= warm-up cat. O2S/HO2S=oxygen sensorfheated AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=ath gas recirculation AIR/PAIR=secondary air injection/pu AIR MFWSFI= multiport fuel injection/sequential MF TBI= throttle body injection TC/SC=turio /super chan CAC=charge air cooler OBD (F) / (P)=fuil /partial on-b						
3		* 3				•		diagnostic prefix 2=paral	lei (2) sumx=series						
EVA No.	•	ECS No.	ENGINE SIZE (L)		VEHICLE MAKES & MODELS	VE STA	HICLES SUBJ	ECT TO SFTP E UNDERLINED	ABBREVIATIONS:						
	-+-	1	3,5	-+-	<u>Chevrolet Impala</u>										
		4	3.9					Chevrolet Impa							
								*							

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, 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.)

	G FLEE AGE [g/		NMOC	G @ RA H4 RAF	F = * (*); - = *	NMOG or NMHC	CH4=metha of nitrogen diurnal+hot	HCHO=fc t-soak RL	rmaldenyd [g/mi]=runr	nganic gase le PM≓par ning loss C)00 miles	RVR ig/g	c=non-CH hatter R/ pallon disp rees Fahre	oensed]≓	vity adjustn on-board rei SFTP=supp	huelling vani	or recovery	g≖gram
CERT	STD NMOG NMHC				STD	mg=milligra			(g/mi)		HCHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]		
0.040	0.040 0.040		[8,114]			[g/mi] 0.075	CERT	STD	CERT	STD	CEF		TD	CERT	STD	0.01	STD 0.07
0.040					[g/mi]		0.8	3.4	0.02	0.05	1		15	*			
		⊉ 50K	0.0		*	(0.075)	(1.7)	(3.4)	(0.04)	(0.05)	(*)(15)			(0.01)	(0.07)
	Yee ta de		(0.0) 0.0			0.090	0.8	4.2	0.02	0.07			18 [18]	*	0.01	0.01 (0.01)	0.09 (0.09)
UT Line		@ UL	(0.0			(0.090)	(1.8)	(4.2)	(0.04)	(0.07)		<u>'</u>		+	+	•	+
20013	@ 50°F	8 4K		r	٠	•	<u> </u>	*					1-(- NM	IC+NOx	CO	[g/mi]
CO [g/mi] SFTP 1 = @ 4K (SULEV, ULE			V. ULEV.	NMHC+N				NMHC+NOx [g/mi] [US06]			CO [g/mi] [US06]		[g/mi] [SC03]		[SC03]		
@ 20*		i 1.	EV) or	50K (Tier	r1, TLEV)	(comp		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
50	< 🛛	SFTP	2=@ປ	IL (Tier 1,	, TLEV)	CERT	STD	UERI		*		•	+		*	*	T
CERT	*	20.9°	1.4.1		@ 4K	•	*	•	•	(0.05)	(0.14)	(1.1)	(8.0	(0.06)	(0.20)	(1.6)	(2.7)
CENT	(3.4)	1000				- *			•	*	*		111.		•	(1.6)	(3.7)
STD	(10.0)	1. 2.			@ UL	(0.06)	(0.65)	L						EVAPORATIVE FAMILY 4			
		VAPO	RATIV	E FAMI	LY 1	EVAPORATIVE FAMILY 2									2-D	RL	ORVR
@ UL	3-D		D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVI		*	+	*
CERT	0.25		30	0.00	(0.01)		*	*	•	•	*		<u> </u>			*	
STD	0.50		65	0.05	0.20	+ +		. •	. *	•	•	•					_ <u>_</u>

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], 1968.2 [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 13 CCR Section 1961(a)(14) and the incorporated test procedures.

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

day of March 2007.

Annette Hebert, Chief Mobile Source Operations Division