California Environmental Protection Agency	GENERAL MOTORS CORPORATION	EXECUTIVE ORDER A-006-1159
AIR RESOURCES BOARD	GENERAL MOTORS CORPORATION	New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles
		and medium-Duty venicles

J. Chen

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		EXHAUST EMISSION ANDARD CATEGORY	USEFUL LIFE (miles)		INTERMEDIATE IN-USE COMPLIANCE (*=N/A or full in-use; A/E=exh. / evap. intermediate in-use)		FUEL TYPE	
2004 4GMXT04.3187	3751-5750 Pounds Loaded		USEPA Bin 9 unted as ARB Ultra Low	EXH / ORVR	EVAP	EXH	EVAP	GASOLINE		
freedown ar an gro, igant taapiteer agaar		Vehicle Weight Light-Duty Truck		Emission Vehicle	100K	150K	*	E	(Tier 2 Unleaded)	
No.				EVAPORATIVE F		DISPLACEMENT (L)				
1	1 WU-TWC,TWC, 2HO2S,HO2S, SFI, OBD(F)			4GMXR0						
*	* *			4GMXR0		·				
*	*			*		4.3				
*		*		*						

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

BE IT FURTHER RESOLVED:

That the exhaust and the evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement 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 or LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

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).

BE IT FURTHER RESOLVED:

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 18^{π} day of March 2003.

Allen Lyons, Chief Mobile Source Operations Division

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New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

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RT STD	NMOG		NMHC	hot-soal	k RI (o/mil=our	ning loss:	nate matter;	KAF≓reac	tivity adju	stment faci	tor; 2/3 D [g/te	st]=2/3 day	diversals	-	
56 0.085	CERT	CERT	STD [g/mi]	C	O [g/mi]	; r=aegree	s Fahrenhei)x [g/mi]	anrenneit; SFTP=supplemental f			al federal test procedure /mi] PM [g/mi]		Hwy NOx [g/n		
@ 50K	[g/mi] 0.066	[g/mi] *		CER		CERT		CE	RT	STD	CERT	STD	CERT	ST	
@ UL	0.087	*	0.100	1.8	3.4	0.1	0.2			15. 18.	*	*	0.05	0.2	
@ 50°F & 4K	*	*	*	*	*	*	*			*	*	*	0.08	0.4	
	132.6			IOx [g/mi			NMHC			[g/mi]	NMH	C+NOx	CO	[g/mi]	
CO [g/mi] 20°F & 50K			(composite CERT S		CERT				· · · · · · · · · · · · · · · · · · ·	[US06]		[SC03]	[S	<u>Č03]</u>	
3.3	SETP @ 4	000 miles	+	STD *	- CERI	STD	CERT	STD	CERI			STD	CERT	ST	
12.5		@ 100000	0.15	1.04	*	*	0.04	0.25	0.4	10.5		0.27	0.3	3.	
		miles							2.0	14.6			1.9	4.9	
Evaporative Famil	ilv	3-Days Dit (gram:	urnal + Ho s/test) @		2-Days Diu (grams	irnal + Ho s/test) @			unning	Loss e) @ UL		n-Board I			
		CERT		ато	······		TD	CER		STD		Recovery (gr			
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4GMXR0212958		0.58	0).65 *	0.47	0	.85	0.00		0.05		0.14		0.20	
*		*		*	*	-	*	*		*		*		*	
		niection PAIR													
circulation; AIR=secc charge air cooler; OB iquefied petroleum g	BD (F)/(P)=	njection; PAIF full/partial on- 35%" Ethanol	board diag	inostic; DC		n sensor, njection; SI ne reducin	g; prefix 2=	parailei; (31=throtti 2) suffix=	e body inje series; Cl	ection; TC/SC NG/LNG= co				
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