California Environmental Protection Agency AIR RESOURCES BOARD

BAYERISCHE MOTOREN WERKE AG

EXECUTIVE ORDER A-008-0166-2 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 which certification is granted.

MODEL YEAR		TEST GROUP			VEHICLE TYPE	STANDARD	EMISSION CATEGORY	U	SEFUL LIF	FUEL TYPE								
				P   '	PC=passenger car; LDT=light-duty MDV=medium-duty vehicle; LVW=	(LEV=low en TLEV= tran	ission vehicle; sitional LEV;	E\	/AF 1	EVAF 2	, EVAF 3	(CNG/LNG=compress ed/ liquefied natural						
					vehicle weight; ALVW=adjusted	ULEV=	ultra LEV; uper ULEV)	EXH	EVAP/	EXH/	EVAP	gas; LPG=ilquefied petroleum gas)						
2004		4BMXX03.0UL2		.2	PC and LDT ≤8,500 pounds ( PC; LDT 3,751-5,750 pounds	LEVI	IULEV		ORVR	ORVR	LVAF	Ganalina						
								120K	100K	120K	150K	Gasoline						
No.		MILY (E		No.	SPECIAL FEAT EMISSION CONTROL	TURES SYSTEI	& MS (ECS)	* = not applica	able W	/TWC=oxidiz	ing/3-way c	at. ADSTW	C=adsorbing TWC sensor/heated O2S					
1	4BN	3MXR0136E46			2TWC, 2HAFS	S, 2HO2	S, SFI, AIR, O	BD (P)		3/11AF5=air-1	iuel ratio se	heteed/roen	AFS FORmayhavet and					
2	4BN	MXR0090E60				*			MFI/SFI= multiport fuel injection/sequential MFI									
3	4BN	/XR0128E85			·	·····	cooler OBD (F) / (P)=full /partial on-board diagnostic profix											
EVAF		ECS	ENGIN		VEHICLE													
No.		No. SIZE (L)			MAKES & MODELS	MAKES & MODELS STANDARDS ARE UNDERLINED						ABBREVIATIONS:						
1		_1	2.5		BMW: (PC) 325i, 325Ci, 325Ci Convertible, 325i Sport Wagon													
1		1	3.0		BMW: (PC) 330I, 330Ci, 330Ci Convertible, 330I (Sport Package)													
2		1	2.5		BMW: (PC) 525i													
2		1	3.0															
2		1	3.0		BMW: (PC) 530i BMW: (LDT 3,751 - 5,750 pounds LVW) X3 3.0i													

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.)

NM AVE	NMOG FLEET AVERAGE [g/mi]			NMOG @ RAF = * CH4 RAF = *		CH4=me	thane NM en HCHC	OG=non-Cl	14 organic	c gases	NMHC=	non-Cl	14 hydroc	arbons C	O≖carbon n	nonoxide M	VOx=oxides
PC/LI	DT1	LDT2	NMOG NMHC CERT CERT			mg=milli	gram m		unning lo =1000 mil	99 QIV	VR [g/ga F=degree	non us	peusea}=c	n-ooard re	stuesing vac	2/3 D [g/te or recovery ederal test p	/ d¤aram
0.05	53	0.085	[g/mi]	CERT [g/mi]	[g/mi]	CERT	) [g/mi]		Ox [g/m	i]	НСН	0 [mg	/mi]	PM (g	g/mi] STD	Hwy NC	Dx [g/mi] STD
and the second	Contraction of	@ 50K	0.000		+					TD	CERT		STD	CERT		CERT	
			0.008		0.040	0.5	1.7	0.00	02 0	.05	0.3		8	• 1	*	0.003	0.07
	@ UL		0.009	*	0.055	0.6	2.1	0.00	03 0	.07	1.0		11	*	•	0.004	0.09
	@ 50'	°F & 4K	0.019	*	0.080	0.7	1.7	0.0	2 0	.05	0.5		16	*	•	*	•
	[g/mi] & 50K	劉 ' LE	= @ 4K (SUL) V) or 50K (Tio = @ UL (Tier	(composite) (c		(com	[g/mi] posite)		MHC+NOx mi] [US06]					IC+NOx 1 [SC03]		[g/mi] C031	
				1, ILEV)	CERT	STD	CERT	STD	CERI	r   s	TD	CERT	STD	CERT	STD	CERT	STD
CERT	1.3			SFTP 1	*	*	*	*	0.01	0	.14	2.6	8.0	0.00	0.20	0.6	2.7
STD	10.0			SFTP 2	*	*		*	•	- <u>-</u>	*	•	+		0.20	0.0	2.1
	EVAPORATIVE FAMILY 1				EVADODATIVE FAMILY												
@UL	3-D	2-D			EVAPORATIVE FAMILY 2			EVAPORATIVE FAMILY 3					EVAPORATIVE FAMILY 4				
CERT	1.0	1.9		ORVR	3-D	2-D	RL	ORVR	3-D	2-1	D	RL	ORVR	3-D	2-D	RL	ORVR
			0.02	0.07	0.23	0.31	0.02	0.12	0.45	0.2	27 0	0.01	0.06	*	*	*	+ +
STD	2.0	2.5	0.05	0.20	0.50	0.65	0.05	0.20	0.65	0.8	5 0	).05	0.20	*	+		

**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 13 CCR Section 1961(a)(10).

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-008-0166-1 dated August 19, 2003.

Executed at El Monte, California on this \_\_\_\_\_/9<sup>74</sup>\_\_\_ day of September 2003.

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Allen Lyons, Chief Mobile Source Operations Division