Colifornia Environmental Protection Agency AIR RESOURCES BOARD	BAYERISCHE MOTOREN WERKE AG	EXECUTIVE ORDER A-008-0192 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	EXHAUST EMISSION STANDARD CATEGORY	USEFU (mi		IN- COMP (*=N/A or A/E=ex	MEDIATE USE LIANCE full In-use; h. / evap. iate In-use)	FUEL TYPE	
	6BMXT03.0E83	LDT: 3751-5750 Pounds LVW	Low Emission Vehicle (LEV)	EXH / ORVR	EVAP	EXH	EVAP	Casalina	
				100K 150K		*	E	Gasoline	
No.	ECS &	SPECIAL FEATURES	EVAPORATIVE	FAMILY (EV	DISPLACEMENT (L)				
1	2TWC, 2H	D2S(2), SFI, AIR, OBD(F)	6BMXR0						
*		*							
•		*			2.5, 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], 1968.2 [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).

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 22"

day of September 2005.

Allen Lyons, Chief Mobile Source Operations Division



# ATTACHMENT

## EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

(For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

AVERAUE [g/m]         CHA RAF = *         Initiation           CERT         STD         NMAC         NMA	· ·							in paro	1010303		se appi		r testing	un yası	nine test tu	ei. <i>j</i>	
CERT         STD (g/m)         NMHC (g/m)         NMHC (g/m) <td colspan="2"></td> <td></td> <td colspan="10"></td>																	
0.052         0.062         0.071 <th< td=""><td>CERT</td><td>STD</td><td></td><td></td><td></td><td>  not-soak;  </td><td colspan="10">iot-soak; KL [g/m]=running loss; ORVR [g/gallon dispensed]=on-board refueling vapor recovery; g=gram; mg=milligram</td></th<>	CERT	STD				not-soak;	iot-soak; KL [g/m]=running loss; ORVR [g/gallon dispensed]=on-board refueling vapor recovery; g=gram; mg=milligram										
Lgrinn         Lgrinn         Lgrinn         CERT         STD         CERT	0.052 0.062				[g/mi] _	CO [g/mi]		NOx [g/mi]			CHO [mg/mi]				Hwy N	Ox [g/mi]	
@ UL         0.019         •         0.130         0.4         5.5         0.1         0.5         1.0         23.         •         0.01         0.7.7           @ 50°F & 4K         0.033         •         0.200         0.6         4.4         0.2         0.4         1.0         38.         •         •         0.10         0.7.7           CO [g/mi] @ 20°F & 50K         NMHC+NOX 20°F & 50K         CO [g/mi] [composite)         NMHC+NOX (composite)         CO [g/mi] [composite)         NMHC+NOX [Grams/IIII] US.06]         CO [g/mi] [SC03]         NMHC+NOX [SC07]         CO [g/mi] [g/mi] [SC03]         NMHC+NOX [SC07]         CO [g/mi] [g/mi] [SC03]         NMHC+NOX [SC07]         CO [g/mi] [SC03]         NMHC+NOX [SC07]         CO [g/mi] [SC		[g/iii									RT	-		ŚTD		STD	
Control         Control <t< td=""><td></td><td>582</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.01</td><td>0.5</td></t<>		582													0.01	0.5	
CO         Instruction         Instruction <thinstruction< th=""> <thinst< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.7</td></thinst<></thinstruction<>							_									0.7	
Composite)         (composite)         [g/m] [US06]         [US06]         (g/m] [SC03]         TSC03]           CERT         STD		y 50 F & 4K	0.033				4.4	0.2	0.4	1.	.0	36.	*	*	*	*	
CERT         STD         CE																	
STD         12.5         SFTP @ * miles         •		8				STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
Evaporative Family       3-Days Diurnal + Hot Soak (grams/test) @ UL       2-Days Diurnal + Hot Soak (grams/test) @ UL       Running Loss (grams/mile) @ UL       On-Board Refueling Vapor Recovery (grams/gallon) @ UL         6BMXR0128E85       0.45       0.65       0.27       0.85       0.01       0.05       0.06       0.20         *	CERT						*	*	0.07	0.25	1.5	10.5	0.04	0.27	1.2	3.5	
Evaporative Family         (grams/test) @ UL         (grams/test) @ UL         (grams/test) @ UL         Recovery (grams/gallon) @ UL           CERT         STD         CERT	STD	12.5	SFTP	@ * miles	*	*	*	*	*	*	•	•	*	+	*	*	
6BMXR0128E85         0.45         0.65         0.27         0.85         0.01         0.05         0.06         0.20           •	Eva	porative Far	nily														
Image: State of the state o				CERT	STD		CERT	CERT STD		CERT		STD		CERT		STD	
Interview     Interview     Interview     Interview	6E		35		0.65		0.27	0	.85	0.01		0.05		0.06		0.20	
*     *     *     *     *     *       = not applicable; UL=useful life; PC=passenger car, LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; VW=loaded vehicle weight; ALVW=adjusted LVW; LEV=low emission vehicle; TLEV=transitional LEV; ULEV=super ULEV; TWC=3-way catalyst; DSTWC=adsorbing TWC; WI=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air-fuel ratio sensor / heated AFS; EGR=exhaust pas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multipot fuel injection; SFI=sequential MFI; TBI=throttle body injection; DGI=direct gasoline fuel injection; CONC/SC= turb/olsuper charger; CAC=charge air cooler; OBD (P/IP)=full/partial on-board diagnostic; DOR=direct ozone reducing; prefix 2=parallel; (2) suffix=series; CNG/LNG= pompressed/liquefied natural gas; LPG=liquefied petroleum gas; E85="85%" Ethanol Fuel;           MODEL           EVAPORATIVE FAMILY         ECS NO.         ENGINE SIZE (L)         INTERMEDIATE IN=VAP         PHASE-IN STD.         OBD I           MAKE         MODEL         EVAPORATIVE FAMILY         ECS NO.         ENGINE SIZE (L)         INTERMEDIATE IN=VAP         PHASE-IN STD.         OBD I           BMW         X3 2.51         6BMXR0128E85         1         2.5         E         SFTP         Full	*							*	*		*		*		*		
= not applicable; UL=useful life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; VW=loaded vehicle weight; ALVW=adjusted LVW; LEV=low emission vehicle; TLEV=transitional LEV; ULEV=super ULEV; TWC=3-way catalyst; DSTWC=advorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFSIHAFS=ari- fuel ratio sensor / heated AFS; EGR=exhaust pas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SFI=sequential MFI; TBI=throttle body injection; DGI=direct gasoline fuel injection; CSC= turbo/super charger; CAC=charge air cooler; OBD (F)/(P)=ful/partial on-board diagnostic; DOR=direct ozone reducing; prefix 2=parallel; (2) suffix=series; CNG/LNG= compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=*85% Ethanol Fuel;         2006 MODEL YEAR:       VEHICLE MODELS INFORMATION         INTERMEDIATE IN-USE COMPLIANCE (1) Intermediate in-use; AMILY         MAKE       MODEL       EVAPORATIVE FAMILY       ECS ENGINE (1) Intermediate in-use; AT== or (1) Intermediate in-use; (1) Intermediate in-use; AT== or (1) Intermediate in-use; (1) Intermediate in-use; (1) Intermediate in-use; (2) Intermediate in-use; Inte												*		*		*	
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MAKE     MODEL     EVAPORATIVE FAMILY     ECS NO.     ENGINE SIZE (L)     IN-USE COMPLIANCE (L)     PHASE-IN STD.     OBD I       BMW     X3 2.51     6BMXR0128E85     1     2.5     *     E     SFTP     Full	ADSTWC= gas recircu TC/SC= tur	adsorbing TW adsorbing TW lation; <b>AIR</b> =se rbo/super char	ignt; ALVW= /C; WU=wan econdary air i roer: CAC=ch	aojusted LVW m-up catalyst; injection; PAII harge air cool PG=liquefied p	(; LEV=low e OC=oxidizis R=pulsed All er; OBD (F)/ petroleum ga	emission ve ng catalyst; R; MFI= mu (P)=full/par is; E85=*85	Cle; TLEV O2S≃oxyge ultiport fuel in tial on-board 5%" Ethanol	=transition en sensor; l njection; SI d diagnostio Fuel;	al LEV; UL HO2S=hea fl=sequen c; DOR=d	-EV=ultra ated O2S; tial MFI; T lirect ozon	LEV; SUL AFS/HAF Bi=throttle e reducing	.EV≃super S=air- fue e body inje g; prefix 2=	ULEV; TM I ratio sens ection; DGI parallel; (2	/C=3-way	catalyst; d AFS; EGR:	exhaust	
	M	AKE	MODEL						3	SIZE	COI (*=N/A A/E= Interm	IN-USE MPLIANC or full in-u exh. / evap rediate in-u	I-USE PLIANCE r full in-use; PHA xh. / evap. S dlate in-use)		OBD		
BMW X3 3.01 6BMXR0128E85 1 3 * E SFTP Full	B	MW		X3 2.5i			6BMXR	0128E85	1		2.5	*		E	SFTP	Full	
	В	BMW X3 3.0i			6BMXR	0128E85	1		3	•		E	SFTP	Full			