#### **BAYERISCHE MOTOREN WERKE AG**

**EXECUTIVE ORDER A-008-0240** 

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 (mil		IN- COMP (*=N/A or A/E=ex	MEDIATE USE LIANCE full in-use; h. / evap. iate in-use)	FUEL TYPE	
2009	9BMXV04.8UL2	Passenger Car	"LEV II" Ultra Low Emission Vehicle (LEV II	ORVR	EVAP	EXH	EVAP	Gasoline	
			ULEV)	150K 150K		* +		Gasonne	
No.		ECIAL FEATURES	EVAPORATIVE I	DISPLACEMENT (L)					
1	2TWC, 2AFS,	2HO2S, SFI, OBD(P)	9BMXR0	9BMXR0128E85					
•		#	•	•					
		*	*		.8				
•		*							

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, 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).

#### **BE IT FURTHER RESOLVED:**

The test group listed in this Executive Order is certified based on the manufacturer's reported emissions and attestation that it meets all applicable certification requirements currently in effect and enforceable for the 2009 model year, as described above. A January 16, 2007 Order currently enjoins the Executive Officer from enforcing any provision of California Health and Safety Code section 43018.5(b)(1) concerning certification to the requirements for 2009 and subsequent model passenger cars, light-duty trucks, and medium-duty vehicles adopted pursuant to AB 1493. (Document 606, Case No. 1:04-CV-06663-AWI-GSA, U.S. Dist. Ct. E. Dist. of CA (Fresno Div.).) If said injunction ceases to be in effect, the manufacturer will have 45 days from ARB notification to demonstrate compliance with AB 1493 requirements, including the determination of the greenhouse gas values for the test group listed in this Executive Order. Nothing in this Executive Order is intended to constitute enforcement of any requirement under AB 1493 for 2009 model year vehicles.

## BE IT FURTHER RESOLVED:

Additional NMOG fleet average or vehicle equivalent credits are granted to the listed vehicle models pursuant to 13 CCR Section 1961(a)(8) [optional 150K certification].

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 October 2008.

Annette Hebert, Chief

Mobile Source Operations Division

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



# **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.)

NMOG FLEET AVERAGE [g/mi]		NMOG @ RAF=* CH4 RAF = *		NMOG or	The state of the particulate maner, that reductivity polluting the table of the particulation, that reductivity polluting the table of the particulation of										
CERT	STD	NMOG	NMHC	NMHC	not-soak;	RL [g/mi]=rur (=1000 miles	ining loss; (	ORVR (g/gafi	on disper	isedl=on-bo	ard refueli	ing vagor r	ecovery: a=a	ram; mg≐milli	gram
0.037	0.038	CERT [g/mi]	CERT [g/mi]	[g/mi]	CO [g/mi]		NO	NOx [g/mi]		ICHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]	
		(g/m)			CERT	STD	CERT	STD	CEI	RT S	TĎ	CERT	STD	CERT	STD
25	@ 50K	0.029	*	0.040	0.4	1.7	0.02	0.05	0	.   7	3.	+	*	0.01	0.07
	@ UL	0.040	. *	0.055	0.4	2.1	0.02	0.07	0	. 1	1.	5	0.01	0.01	0.09
	@ 50°F & 4K	*	*	*	*	*	•		•		*		*	*	*
CC	O [g/mi]	The state of the s		NMHC+NO	Ox [g/mi] CO osite) (com		/mi]	NMHC+NOx [g/mi] [US06]				NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]	
				(comp.	Jaitel	(comp	osne)	[g/mi] [t	JS06]	US	06]		[SC03]	] [SC	:03]
	PF & 50K			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	1	CERT	STD
@ 20		SFTP @ 4	000 miles	<u>,</u> †									1		STD
	)°F & 50K	SFTP @ 4 SFTP		<u>,</u> †				CERT	STD	CERT	STD	CERT	STD	CERT	

Evaporative Family	3-Days Diurnal + Hot Soak (grams/test) @ UL		2-Days Diurn (grams/te	al + Hot Soak est) @ UL	Runnin (grams/m		On-Board Refueling Vapor Recovery (grams/gallon) @ UL		
	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
9BMXR0128E85	0.20	0.50	*	0.65	0.01	0.05	0.01	0.20	
*	*	*	*	*	*	+	*		
*	*	*	*	*	•	•	*		
4	•	*	•		• •		* *		

<sup>\*=</sup> not applicable; UL=useful life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; LVW=loaded vehicle weight; ALVW=adjusted LVW; LEV=low emission vehicle; TLEV=transitional LEV; ULEV=ultra LEV; SULEV=super ULEV; TWC=3-way catalyst; ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; H02S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust gas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SFI=sequential MFI; TBI=throttle body injection; TC/SC= turbo/super charger; CAC=charge air cooler; OBD (F)(P)=full/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

## 2009 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	EVAPORATIVE FAMILY	ECS NO.	ENGINE SIZE (L)	IN- COMP ("=N/A or A/E=ex	MEDIATE USE LIANCE full in-use; h. / evap. late in-use)	PHASE-IN STD.	OBD II
7, -, 15					EXH	EVAP		
вмw	550i	9BMXR0128E85	1	4.8	4	•	SFTP	Partial
BMW	6501	9BMXR0128E85	1	4.8	*		SFTP	Partial
BMW	650Ci CONVERTIBLE	9BMXR0128E85	1	4.8	*	*	SFTP	Partial