ul Pro Agency AIR RESOURCES BOARD

KIA 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

YEA	R 1	TEST GROUP 4KMXA02.0J01 APORATIVE			VEHICLE TYPE C=passenger car; LDT=light-du DV=medlum-duty vehicle; LVWv vehicle weight; ALVW=adjusted	habeola	STANDA (LEV=low en transitional	UST EMISSION ARD CATEGORY nission vehicle; TLE LEV; ULEV=uitra LE V=super ULEV)	/= EXHAUST / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)		
2004					PC	the second se	II SULEV	150K: EXH/ORVR 150K: EVAF	Gasoline			
No.	FAMIL	Y (EVAF)	No.	SPECIAL FEA EMISSION CONTROL	TURES A	A AS (ECS)	* = not applicabl	OC/TWCzovidinios/Lum	cat. ADSTWC=adsorbing TWC		
1	4KMXR0110J01			1	WU-TWC, T	WC. HO	2S(2), SFI, OB		HO25=oxygen sensor/heated O25 sensor/heated AFS_EGR=exhaus			
2	•			2		•		·····································	IN THE BOOM OF A DAY LOLD AND A DAY AND A			
3	*			3		•		TBI= throttle body injecti	n Tuel injection/sequential MFI			
4	*			4		*						
EVAF No.	EC: No		GINE E (L)		VEHICLE	VEH	ICLES SUBJ	ECT TO SETP	Point Prent Plant Zapara	illet (2) suffix=series		
1	1		2 (L) 2.0	<u> </u>	MAKES & MODELS	STAN	NDARDS ARI	E UNDERLINED Kia Spectra	ABBREVIATIONS:			

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.)

AVE	AVERAGE [g/mi] CH4		NMOG @ RAF=* CH4 RAF = *		CH4=meti nitrogen	HCHO=fo	G=non-CH	organic g	as NMHC	non-Cl	4 hydroca	rbon CO=c	arbon mono	xide NOx	=oxides d	
CER	T	STD	CERT CEPT		NMHC STD	diumal+h	ot-soek R ram mis	- F8	nning loss 1000 miles	URVR 10		Dispensed	#On-Board n	Muelloo ver	2/3 D (g/tes lor recover)	t]=2/3 day / g=gram
0.05	7	0.053			[g/mi]	CO	[g/mi]		Dx [g/mi]		ICHO [r	印度印刷器度	SFTP=supp PM (g	ilemental fe	deral test p	rocedure Dx [g/ml]
	A SOL		[8]			CERT	STD	CER	r sti) CI	ERT	STD	CERT	STD	CERT	STD
		@ 50K		•	*	•	•				•	*			*	310
		QUL	0.007	. •	0.010	0.2	1.0	0.01	0.0	2 0).0	4				
in Kraanii 19	@ 50)°F & 4K	0.016	*	0.020	0.3	1.0	0.004).4	8			0.003	0.03
@ 20	(0,20°P6, 20 Li		1 = @ 4K (SULEV, ULEV, .EV) or 50K (Tier 1, TLEV) 2 = @ UL (Tier 1, TLEV)		NMHC+NOx [g/mi] (composite) CERT STD) (composite		e) [g/mi] [US			0 [g/mi] [U\$06]		IC+NOx [] [SC03]	CO	(g/mi) C031
ERT	1.5				USAT	510	CERT	STD	CERT	STD	CER	T STC	CERT	STD	CERT	STD
				SFTP 1			•	+ .	0.005	0.14	4.6	8.0	0.001	0.20	0.6	2.7
STD	10.0	ar Pássa a company ag		SFTP 2	•	•	(+	*	•	٠	+ +	•				
		EVAPORATIVE FAMILY 1			EVAPORATIVE FAMILY 2			EVAPORATIVE FAMILY 3								
	3-D	2-0	RL	ORVR	3-D	2-0	the second s	ORVR	3-D		and the second se	and the second se		APORATI	VE FAMI	LY 4
ERT	0.24	0.27	0.02	0.02				*	3-0	2-D	RL	ORVE	र <u> </u>	2-D	RL	ORVE
TD	0.35	0.35		0.20							•			•	•	•
		and a second						- 1	-		ti	• •	*			1

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 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).

BE IT FURTHER RESOLVED: The manufacturer has requested that the listed vehicles be conditionally certified as a partial zero emission vehicle (PZEV) and determined to qualify for a baseline PZEV allowance of 0.2 under the amendments to 13 CCR Section 1962(c) that were referenced in the Air Resources Board's Resolution 03-04 adopted by the Board on April 24, 2003 (part of the 2003 Zero Emission Vehicle (ZEV) Amendments). This determination for PZEV qualification is conditional on these amendments being adopted by the Executive Officer and approved by the Office of Administrative Law (OAL), after which they will become effective.

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 January 2004.

Aller Lyons, Chief

Mobile Source Operations Division