Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003:

IT IS ORDERED AND RESOLVED: The following diesel or incomplete medium-duty vehicles (MDV) with a manufacturer's GVWR from 8501 to 14000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

						E	NGINE DESCRIPTION	l			
MODEL YEAR	ENGIN	E FAMIL	Υ ,	ENGINE		EMISSION	FUEL TYPE 1	STANDARDS	ENGINE	ECS & SPECIAL FEATURES	OBD COMPLI
	9\$ZXH05.23FA		A MANI	MANUFACTURER		STD		& TEST PROCEDURE	SIZES (L)	ECS & SPECIAL PEATURES	ANCE
	EXECUT	TIVE ORD	ER	MOTORS LT	j	CATEGORY*	Diesel	PROCEDURE	5.2	DDI, TC, CAC, ECM, EGR,	OBD(P)
2009	A-02	0-0245-1		ISUZU MOTURS LID.		ULEV		Diesel	J.2	OC, PTOX	ODD(i)
Gasoline	, LPG or	Alcohol \	/ehicles Only				VI	HICLE DESCRIPT	TION		1 1
EVAPORATIVE FAMILY UL (M		VE UL (K)	FUEL TANK CAPACITY (gallons)	VEHICLE MODEL YEAR		VEI	HICLE MAKE & MODE	ELS	ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)	OBD COMPLI ANCE
,		*	*	2009		Isuzu NPR, GM W3500				4HK1TC / 523FA-1 (200)	OBD(P)

⁼not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc (2004may26) L=itter; hp=horsepower; kw=kilowatt;

CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a BF=bi fuel; DF=dual fuel; FF=flexible fuel;

Following are: 1) the FTP exhaust emission standards or family emission limit(s) as applicable under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For dual- and flexible-fuel, the CERT values in brackets [] are those when tested on conventional test fuel.)

1	NMHC		NOx		NMHC+NOx		co		PM		нсно		
ļ	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	
STD	0.14	0.14	*	*	*	•	15.5	15.5	0.01	0.01	0.050	0.050	
FEL	*	*	1.23	1.23	1.2	1.2	*	*	*	*	*	*	
ÇERT	0.01	0.01	1.18	1.04	1.20	1.1	0.08	0.02	0.003	0.002	0.043	0.010	
NTE	0.	0.21		1.84		1.8		19.4		0.02		0.075	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not-to-Exceed emission limit; STD=standard or emission test cap, FEL-family emission limit, CERT-certification level; NMHC/HC-non-methane/hydrocarbon; NOx-oxides of nitrogen; CO-carbon monoxide; PM-particulate matter, HCHO-formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the optional emission standards and test procedures in 13 CCR 1956.8 applicable to diesel or incomplete MDV with a 8501-14000 pound GVWR and shall be subject to 13 CCR 2139(c) (in-use testing of engines certified for use in diesel or incomplete MDV with a 8501-14000 pound GVWR).

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [OTTO engines] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed vehicle models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1968.2 (on-board diagnostic, full or partial compliance), 13 CCR 1976(b)(1)(F) {evaporative emission standards}, 13 CCR 2035 et seq. (emission control warranty), and 13 CCR 2235 [fill pipes and openings of motor vehicle fuel tanks]. (The braces { } are for gasoline, LPG or alcohol fueled vehicles only.)

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-020-0246 dated September 5, 2008.

Executed at El Monte, California on this

day of March 2009.

Annette Hebert, Chief

Mobile Source Operations Division

SULEV / ULEV / LEV=super ultra / ultra / ultra / low emission vehicle;

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