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

Pursuant to the December 15, 1998 Settlement Agreement (SA) between ARB and the manufacturer, and any modifications thereof to the Settlement Agreement;

IT IS ORDERED AND RESOLVED: That the engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR ENGINE FAMILY		ENGINE SIZE (liter)	FUEL TYPE (CNG/LNG≖compressed/liquefied natural gas; LPG=liquefied petroleum gas)	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS (L/M/H HDD=light/medium/heavy heavy-duty [HD] dlesel; UB=urban bus; HDO=HD Otto)		
2003	3DDXH14.0ELY	14.0	Diesel	Diesel	HHDD		
	IAL FEATURES &		ENGINE MODELS / CODES	(rated power in he	orsepower, hp)		
	CONTROL SYSTEMS	1					
DDI, E	GR, TC, CAC, PCM		See Attachment for Engli	ne Models and En	gine Codes		

The following are the exhaust emission standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT), in g/bhp-hr, for this engine family under the "Federal Test Procedure" (FTP) (Title 13, California Code of Regulations, (13 CCR) Section 1956.1 (urban bus) or 1956.8 (other than urban bus)), and under the "Euro III Test Procedure" (EURO) in the Settlement Agreement, including EURO's "Not-to-Exceed" standard(s). "Diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Part 86, Subpart A, Section 86.091-23(c)(2)(i) in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR Section 1956.1 or 1956.8 are in parentheses.)

		•	EURO'	S NOT-TO	-EXCEE(STD	NMHC:	0.625	NOx: *	1	NMHC+NC	x: 3.125	PM	: 0.1250
* = not	HC		NMHC		NOx		NMHC+NOx		CO		PM		НС	НО
applicable	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURC	FTP	EURO	FTP	EURO
(DIRECT) STD	+	*	0.5	0.5	•	*	2.5	2.5	15.5	15.5	0.10	0.10	•	*
AVERAGE STD	*	•	*	•	•	*	•	•		*			*	
FEL	*	*	*	*		*	•		*	•	*	*	*	
CERT	•	*	0.1	0.03	٠	. •	2.4	2.3	0.5	0.3	0.10	0.05	•	**

BE IT FURTHER RESOLVED: That 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: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labels), and 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: That the listed engine models are conditionally certified subject to the following conditions: (1) The SA is in effect; (2) The manufacturer is in compliance with all applicable California emission regulations, and all SA's applicable requirements and any modifications thereof; (3) This EO is void with respect to any engine within this family determined to have a defeat device as that term is defined in the test procedures and SA. Any engine produced under the voided EO remains subject to stipulated penalties applicable to defeat devices under the SA. Such penalties would begin to accrue upon manufacture of the first engine under this EO; (4) This EO expires at midnight on December 31, 2002; (5) Production of any engine within this family under this EO is acceptance of all conditions in this EO; and (6) ARB reserves the right to disapprove certification of this family, or any families using the same or similar auxiliary emission control device (AECD) strategies as this family is employing, based on all available information.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this

day of October 2002.

Allen Lyons, Chief

Mobile Source Operations Division

Engine Model S— ary Form

Manufacturer: Detroit Diesel Corporation

Engine category: On-highway HDDE

EPAEngine Family: 3DDXH14.0ELY

Mfr Family Name: SERIES 60-14.0L

Process Code: New Submission

9.Emission Control evice Per SAE J1930	DD, BCM,TC,CAC	EGR	(all ratings)				1	11	irt .	<u>ભ</u>	W
9.Emi nque Device	De la		<u>e</u>								
8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930	128.9	120.1	128.9	120.1	128.9	120.1	112.6				
7.Fuel Rate: mm/stroke@peak torque	323.0	301.0	323.0	301.0	323.0	301.0	282.0				
6.Torque @ RPM (SEA Gross)	1650@1200	1550@1200	1650@1200	1550@1200	1650@1200	1550@1200	1450@1200	1650@1200	1550@1200	1550@1200	1650@1200
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	183.0	183.0	172.5	172.5	157.8	157.8	183.0				
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	262.0	262,0	247.0	247.0	226.0	226.0	262.0				
3.BHP@RPM (SAE Gross)	500@2100	500@2100	475@2100	475@2100	435@2100	435@2100	500@2100	435/475-2100	435/500-2100	435/475-2100	435/500-2100
2.Engine Model											
Engine Code	1435	1440	1436	1441	1433	1438	1443	1437	1439	1442	1434