EXECUTIVE ORDER A-021-0434 New On-Road Heavy-Duty Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 30515 and 30516 and 3 CUMMINS INC. rursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 39515 and 39516 and Executive Order C-02-003.

IT IS ORDERED AND RESOLVED: 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 as described below for use in on-road motor vehicles with a manufacturer's granted engines shall be in all material respects the same as those for which certification is granted. Executive Order G-02-003;

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=not applicable; GWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations and the section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Lederal Regulations, Section xyz; 40 CFR 86 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=nectic fuel; SFW#F=sequential/multi port using the 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=nectic fuel; CAC=Change (Active Dieset Particulate filter; PTOX= Penodic frap (Oxidizer (Active Dieset Particulate filter; PTOX= Penodic frap (Oxidizer (Active Dieset Particulate filter; PTOX= Penodic frap (Oxidizer (Active Dieset Particulate filter; DE) and the compression control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset one oxygen sensor; CAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset oxygen sensor; CAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset oxygen sensor; CAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change on the control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) = warm-up catalyst; DF=dieset particulate filter; DCAC=change fil

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and NTE limits under the applicable California (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and vehicles (Test Procedures); and exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and NTE limits under the applicable California (Test Procedures); and exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO and NTE certification levels in o/hhp-hr for this engine family "Diesel" CO FURO an exhaust emission standards and test procedures for neavy-duty diesel engines and vehicles (Fest Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification 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 the manufacturer as provided under the applicable. 3) the corresponding certification levels, in g/onp-nr, for this engine family. "Diesel" CO, EURO and NIE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of teeting. (For flevible, and dual finded engines, the CERT values in broakets 1) are those when tested as a control find of the control of the c compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in Neu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled of testing. (For flexible- and dual-fueled engines, the CERT values for default operation permitted in 13 CCR 1956.1 or 13 CCR 1956.8 are in parentheses.)

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g/bhp-hr-grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not to historial; STD=standard or emission test cap; g/bhp-hr-grams per brake horsepower-hour; FTP=Federal Test Procedure; NOv=ovides of citrorian; CO=serbon monorable. PManartinidate matter: NCM=formal/destandard or emission test cap; STD=standard * g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cyde; NTE=Not to 1 x 0 and 1

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 emission standard for certification purposes in any averaging, partiting, or trading (ADT) programs, determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate DE II FUNTIFIER RESULVED: FOI the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must 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 2007.

Annette Hebert, Chief Mobile Source Operations Division