



# Air Resources Board



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Governor

August 26, 2011

Mail-Out #11-28

TO: All Interested Parties

SUBJECT: DRAFT PROPOSED TEST PROCEDURE MODIFICATIONS FOR NEW  
TIER 4 OFF-ROAD COMPRESSION-IGNITION ENGINES

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The Air Resources Board (ARB) staff is planning on proposing modifications to the California tier 4 off-road compression-ignition (CI) engine regulations in order to harmonize, to the extent feasible recognizing California's unique air quality challenges, with current U.S. Environmental Protection Agency's (U.S. EPA) nonroad regulations. The proposed modifications also expand upon engine labeling requirements to better support California's various in-use/fleet programs. The proposed modifications are scheduled to be considered for adoption at ARB's December 2011 Board Hearing.

Staff plans to accomplish this harmonization by retiring the current test procedures (i.e., Part I-C, adopted October 20, 2005) with the 2010 model year, and create new Parts I-D, I-E, and I-F. The proposed Part I-D amends the Part 1039-portion of Part I-C by adopting portions of U.S. EPA's Part 1039, of title 40, Code of Federal Regulations (40 CFR), as last modified in Vol. 75 of the Federal Register, Pg. 37977 (76 FR 37933), on June 28, 2011. The proposed Part I-E adopts U.S. EPA's 40 CFR Part 1065, as last modified in 76 FR 37977, on June 28, 2011, as a replacement for the Part 1065-portion of Part I-C; and, the proposed Part I-F amends the Part 1068-portion of Part I-C by adopting portions of U.S. EPA's 40 CFR Part 1068, as last modified in 76 FR 37977, on June 28, 2011. Although not included in the draft proposal, staff is also planning on amending the applicable sections of title 13, California Code of Regulations, to reflect the draft test procedure amendments described herein, and in the attached tables.

Staff is soliciting feedback on these proposed changes, and has attached draft test procedures for public comment. To remain on schedule for the December hearing, staff would appreciate receiving any comments by close of business, Friday, September 9, 2011. Any questions or comments should be submitted to Mr. Jeff Lowry, Staff Air Pollution Specialist, [jlowry@arb.ca.gov](mailto:jlowry@arb.ca.gov) or (626) 575-6841; or Mr. Ronald Haste, Manager, Off-Road Control Section, at [rhaste@arb.ca.gov](mailto:rhaste@arb.ca.gov) or (626) 575-6676.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

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These draft proposed amendments represent a cooperative effort between ARB and engine manufacturers for harmonizing California's tier 4 off-road CI engine regulations and test procedures without changing the stringency of California's current emission standards.

Sincerely,

*/s/*

Robert H. Cross, Chief  
Mobile Source Control Division

#### Attachments

cc: Ron Haste, Manager  
Off-Road Control Section

Jeff Lowry  
Staff Air Pollution Specialist  
Off-Road Control Section