

# **APPENDIX XIII**

## **STAFF'S MODIFICATIONS TO THE PROPOSED REGULATION ORDER**

**Title 13 California Code of Regulations**

**SUMMARY AND RATIONALE FOR AMENDMENTS TO THE OFF-HIGHWAY  
RECREATIONAL VEHICLE AND ENGINE REGULATIONS AND TEST  
PROCEDURES**

NOTE: This appendix summarizes and rationalizes staff's proposed modifications to the regulatory amendments adopted by the Air Resources Board on December 16, 2011, in accordance with Resolution 11-41. Staff's original summary and rationale language, as specified in Appendix V to the Initial Statement of Reasons, is shown by plain type. Staff's incorporation of proposed modifications to the original language, as described in Attachment G of Resolution 11-41 and via conforming modifications thereof, and as directed by the Board on December 16, 2011, are shown in double underlined text to indicate additions and ~~double-strikeout~~ text to indicate deletions. Only these double underlined and ~~double-strikeout~~ modifications are subject to comment during this comment period.

## Summary and Rationale for Proposed Regulations

### **Section 2412. Emission Standards and Test Procedures – New Off-Highway Recreational Vehicles and Engines.**

This purpose of this section is to identify the exhaust and evaporative emission standards, and to incorporate by reference the required test procedures to be used for demonstrating compliance with the applicable emission standards of the off-highway recreational vehicle category, which is necessary to control the hydrocarbon and carbon monoxide emissions from these sources.

(c)(1) The purpose of this subsection is to identify the test procedure documents that apply to off-highway recreational vehicles. The amendment clarifies the most recent amendment date to these test procedure documents.

(c)(2) The purpose of this subsection is to identify the optional test procedures for off-highway recreational vehicles. The amendment clarifies the most recent amendment date to these test procedure documents.

(d)(1) The purpose of this subsection is to define the formula that manufacturers are to use when using corporate averaging for certification. The amendment clarifies the most recent amendment date to the test procedure documents.

### **California Exhaust Emission Standards and Test Procedures for 1997 and Later Off-Highway Recreational Vehicles and Engines.**

The purpose of this test procedure is to identify the exhaust emission standards and test procedures applicable for off-highway recreational vehicles and engines, which is necessary to control the hydrocarbon and carbon monoxide emissions from these sources. This test procedure is incorporated by reference in section 2412, title 13, California Code of Regulations.

## **Subpart F**

**Section 86.513 - 90 Fuel and engine lubricant specifications. 54 FR 14544, Apr. 11, 1989.**

The purpose of this section is to identify the fuel and engine lubricant specifications that are to be used for certification testing. This section was amended to allow off-road recreational vehicle manufacturers the optional use of the new California 10-percent ethanol-blend gasoline (E10), or other ARB-certified certification test fuel, which ARB will adopt for 2015 and subsequent model on-road motor vehicles, for 2013 through ~~2018~~2019 model-year vehicles. Use of ~~this E10, or other ARB-certified certification~~ test fuel, will become mandatory beginning with the ~~2019~~2020 model year. The proposed optional and required use of ~~this E10, or other ARB-certified certification~~ test fuel, is applicable to only exhaust emission test purposes.

(a)(1)(i) The purpose of this subsection is to identify the fuel to be used for certification testing of current production off-highway recreational vehicles. This subsection was amended for formatting reasons.

(a)(1)(ii) The purpose of this new subsection is to provide manufacturers the alternative of using the new California 10-percent content of ethanol-blend gasoline (E10), or other ARB-certified certification test fuel, for model years 2013-~~2018~~2019.

(a)(2) The purpose of this new subsection is to require the new California 10-percent content of ethanol-blend gasoline (E10), or other ARB-certified certification test fuel, for all ~~2019~~2020 and later model-year off-highway recreational vehicles.