

Fuels Workshop on Regulatory and Non-Regulatory Fuels Activities for 2010

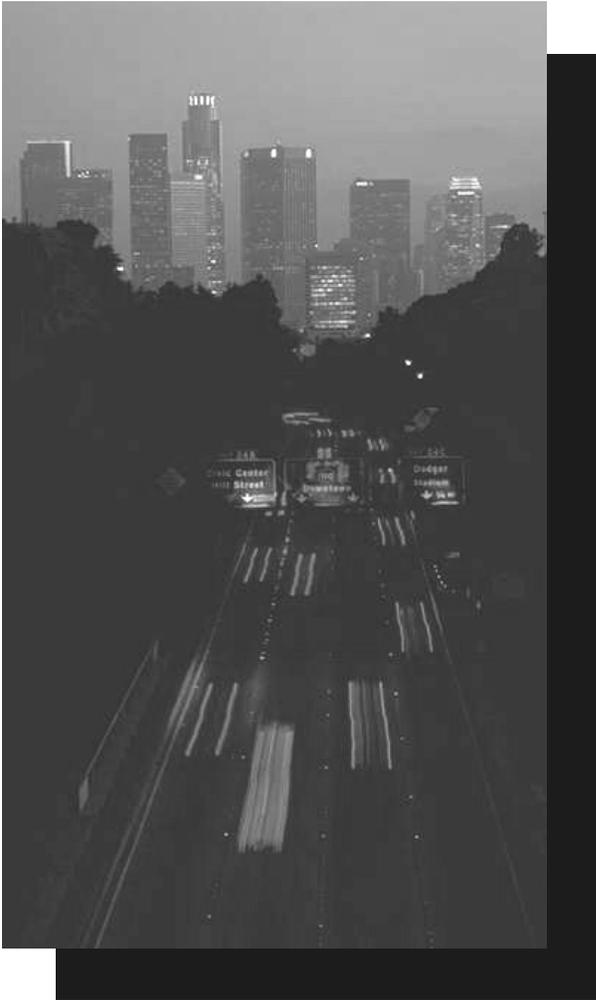
April 15, 2010

California Environmental Protection Agency



Air Resources Board

Agenda



- Introductions and Schedule
- Discussions of proposed CaRFG amendments
- E85 Specification
- Presentations by Others
- Open Discussions
- Closing Remarks

Schedule

- ☞ Staff Report: Initial Statement of Reasons due out by August 4, 2010
- ☞ Proposed Amendments to go to the board September 23, 2010

Proposed Predictive Model Coefficient Corrections

- ☞ Tech 3 NOx Emissions for RVP contribution from 0.424915 to 0.0424915
- ☞ Tech 3 PWT Benzene Emissions for benzene contribution from -0.12025037 to 0.12025037
- ☞ Tech 4 PWT Benzene Emissions for coefficient for RVP contribution from 0.07392876 to -0.04782469
- ☞ Tech 4 RVP standard deviation from 0.8891114 to 0.889114

Proposed Predictive Model Coefficient Corrections

- Tech 5 PWT Benzene Emissions for coefficient for RVP contribution from 0.06514198 to -0.04214049
- Tech 5 PWT Formaldehyde Emissions for coefficient for T90 contribution from 0.000000 to 0.06037698
- Tech 5 benzene mean from 1.014259 to 0.969248
- Tech 5 benzene standard deviation from 0.537393 to 0.504325
- Tech 5 PWT Acetaldehyde Emissions for coefficient for “oxygen as ethanol” from 0.046699012 to 0.46699012

Proposed Amendments

- ☞ Delete outdated provisions
- ☞ Amend notification requirements regarding sales and supplies of a final blend
- ☞ Amend restrictions on blending CARBOB with other liquids
- ☞ Require that CaRFG with 7.2 psi or less certify as a RVP controlled fuel

Impact of Proposed Amendments

☞ Economic Impacts

- Change in coefficients minimal, should not impact formulations
- No economic impact expected

☞ Environmental Impacts

- Incorrect coefficients slightly stricter
- Correct coefficients comply with Health and Safety Code section 43013.1(b)(1) which requires that CaRFG3 preserve the emission benefits of CaRFG2

WSPA Suggested Additional Amendments

- ☞ Lower sulfur cap of denatured ethanol to 5 ppm
- ☞ Establish a QA/QC rule for fuels not oxygenated correctly at the rack
- ☞ Incorporate group protocols into the regulation
- ☞ Delete other outdated provisions in the regulation

Implementation of Proposed Amendments

- ☞ Staff is proposing that the 2010 proposed amendments would take effect upon the Office of Administrative Law's filing with the Secretary of State.