Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman
1001 I Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov

Gray Davis
Governor

April 19, 2001

Dear Sir or Madam:

On December 21, 2000, the Air Resources Board (ARB) staff issued an advisory (http://www.arb.ca.gov/cbg/depos98/depos98.htm) to interested parties who apply for certification under California's gasoline deposit control additive regulation (title 13, section 2257, California Code of Regulations). This is a supplemental advisory that pertains to refinery blend stocks used to formulate certification test fuels.

Based on information collected on commercial California gasoline, we have found that most of the sulfur and olefins come from fluid catalytic cracker unit (FCCU) gasolines. Thus, the following criteria are provided to ensure that blend stocks used to formulate certification test fuels are derived from appropriate sources of sulfur and olefins.

1. At least 60% by weight of sulfur used to meet the sulfur specification must be from FCC gasolines. These blend stocks can be full-range FCC gasoline or a mixture of light and heavy FCC gasolines. Full-range FCC gasoline must be produced by a commercial gasoline refiner and meet the following criteria: (1) is designated by the commercial refiner as "full-range FCC gasoline" or "whole FCC gasoline" and (2) has a T90 greater than 300° F. If a mixture of light and heavy FCC gasolines is used, heavy FCC gasoline must contribute at least 50% of the sulfur in the mixture. Heavy FCC gasoline must meet the following three criteria: (1) is designated by the commercial refiner as "heavy FCC gasoline", (2) has an API gravity less than 45 and (3) has a T90 greater than 325° F.

2. At least 75% of the olefins used to meet the olefins specification should be from FCC stock.

3. Straight run naphtha or natural gasoline blend stocks must be hydrotreated.

4. In addition, the December 21, 2000, advisory placed the cap limits for California gasoline as the upper boundary for aromatics and T90. Olefins were inadvertently left out. The sentence should read as follows

   In addition, the aromatic hydrocarbon content, olefin content, and T90 must not exceed the cap limit for California gasoline.

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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/docs/energytips1.htm .

If you have any questions regarding this advisory or other questions on the gasoline deposit control additive program, please contact Mr. Gary M. Yee, Manager, Industrial Section, at (916) 327-5986, or e-mail at gyee@arb.ca.gov.

Sincerely,

Dean C. Simeroth, Chief
Criteria Polutants Branch

cc: Mr. Gary M. Yee, Manager
Industrial Section