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

December 21, 2000

Dear Sir/Madame:

This letter is an advisory to interested parties who apply for certification under California's gasoline deposit control additive regulation (title13, section 2257, California Code of Regulations). The advisory pertains to the appropriate formulation and use of certification test fuel to demonstrate compliance with the performance standards for intake valve deposits (IVD), combustion chamber deposits (CCD), and port fuel injector deposits (PFID).

As you may know, the regulation specifies test methods for demonstrating compliance with the IVD, CCD, and PFID standards. The tests can be conducted independently or, as an option, the IVD and CCD tests can be conducted together. Regardless of the option, a single certification test fuel must be used for all tests and must meet the certification test fuel specifications. A single test fuel is a fuel made from the same batch of base fuel with the same dosage rate of additive as specified in the application. An exception to this can be allowed for the PFID test when the certification test fuel is a federal 65th percentile fuel with an equal or less additive dosage rate.

Specifications for the certification test fuel must meet the 80 percent requirement for aromatic hydrocarbon content, olefin content, sulfur content, and oxygen content. The T90 distillation temperature cannot be less than 40 °F below the gasoline formulation for which certification is requested, which is 290 °F for California commercial gasoline. In addition, the aromatic hydrocarbon content and T90 must not exceed the cap limit for California gasoline. The other certification test fuel properties, including washed gum, must be representative of typical commercial gasoline.

The certification test fuel must be made from blend stocks that are typically used to make California commercial gasoline. Therefore, the information submitted describing the blend stocks used to formulate the certification test fuel must demonstrate similarity to the blend stocks used for California commercial gasoline.

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 Pollutants Branch

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