

Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 10, 2008

Dr. David A. Daniels
Director of R&D CFI Technologies & Performance Additives
Innospec Fuel Specialties LLC
5th Floor
8375 South Willow Street
Littleton, CO 80124

Re: Alternative Diesel Fuel Formulation Approval Notification

Dear Dr. Daniels:

The Texas Commission on Environmental Quality (TCEQ) has approved in accordance with the TCEQ regulations specified under Title 30 Texas Administrative Code (30 TAC) §114.315(c) the alternative diesel fuel formulation for Texas low emission diesel fuel (TxLED) consisting of diesel fuel as defined in the TCEQ regulations under 30 TAC §114.6 treated with 6.8 grams of Innospec Fuel Specialties LLC (Innospec) ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel. This approval is based upon the following findings:

- The emissions testing performed by the Southwest Research Institute (SwRI) in San Antonio, Texas, was conducted in accordance with the procedures specified under 30 TAC §114.315(c).
- The emissions of nitrogen oxides (NO_x) and particulate matter (PM) from the nine eligible candidate fuel emissions tests were less than the NO_x and PM emissions from the six TxLED reference fuel emissions tests as determined in accordance with the emissions comparison calculations specified in the TCEQ regulations under 30 TAC §114.315(c)(5). In addition, the average emissions of total hydrocarbons (THC) and non-methane hydrocarbons (NMHC) recorded during the candidate fuel testing did not exceed the test engine's applicable emission standards.
- The comparative analysis of the emission test data from the testing of the Innospec ECO CLEAN™ TXLED ha1 additive treated formulation indicate it has met the conditions specified in the TCEQ regulations under 30 TAC §114.315(c)(5) to be approved by the TCEQ as an alternative diesel fuel formulation for TxLED.

This approval only applies to the alternative diesel fuel formulation consisting of diesel fuel as defined in the TCEQ regulations under 30 TAC §114.6 treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel, and as described in the TCEQ's Approval Notification issued under the following notice number:

July 10, 2008

- TCEQ assigned identification number: TXLED-A-00017.

As a TCEQ approved alternative diesel fuel formulation, diesel fuel producers may use diesel fuel treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel for compliance with the TxLED fuel content requirements as provided in the TCEQ regulations under 30 TAC §114.312(f). Producers using this product will be required to comply with the registration requirements specified in the TCEQ regulations under 30 TAC §114.314 and the appropriate monitoring, recordkeeping, and reporting requirements specified in the TCEQ regulations under 30 TAC §114.316.

This approval is subject to the actual emissions performance of diesel-powered engines using diesel fuel treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel. Evidence that diesel fuel treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel does not result in emissions that are equivalent to or better than diesel fuel meeting the cetane number and aromatic hydrocarbons content requirements of TxLED may result in the revocation of this approval or other appropriate enforcement action. This approval is also subject to proper treatment and storage of diesel fuel treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel.

Innospec is required to provide detailed written instructions regarding the specific storage requirements, blending methods, and treatment rate to any producer using this approved alternative diesel fuel formulation for compliance with the TxLED requirements that are necessary to ensure proper emissions performance of the diesel fuel treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel. Improper storage, blending, and/or additive treatment rate of diesel fuel treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel may result in enforcement action.

Enclosed with this letter is the Approval Notification documenting the TCEQ's approval of the formulation consisting of diesel fuel as defined in the TCEQ regulations under 30 TAC §114.6 treated with 6.8 grams of Innospec ECO CLEAN™ TXLED ha1 additive per gallon of diesel fuel.

This letter and the Approval Notification document will be posted to the TCEQ website for public notice at the following link: <http://www.tceq.state.tx.us/implementation/air/sip/cleandiesel.html>.

If you have any additional questions or need further assistance in regards to this process, please contact Mr. Morris Brown in the TCEQ's Air Quality Planning Section at (512) 239-1438 or mbrown@tceq.state.tx.us.

Sincerely,



David C. Schanbacher, P.E.
Chief Engineer
Texas Commission on Environmental Quality

DS/MB/sy

Enclosure