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

January 31, 2001

Mr. Thomas J. Sheahan
Managing Director, Legislative and Regulatory
The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, Ohio 44092-2298

Dear. Mr. Sheahan:

Thank you for your letter requesting verification of the emission reductions associated with the use of the PuriNOx fuel. The emission reductions were determined by following the Air Resources Board's (ARB) "Interim Procedure for Verification of Emission Reductions for Alternative Diesel Fuels".

The ARB staff has reviewed your submitted data and has determined that the use of the PuriNOx fuel reduces oxides of nitrogen (NOx) emissions by 14 percent and particulate matter (PM) emissions by 62.9 percent in accordance with the interim procedure. Also, staff has determined that measurements of specified emissions result in no net increase in toxic emissions and hydrocarbon emissions are at least 25 percent lower than any applicable diesel vehicle emission standard.

Please note that the ARB's verification of emission reductions is subject to the conditions enclosed. Also, the ARB's verification of emission reductions does not address the appropriate use of the PuriNOx fuel in regards to possible impacts on engine durability or performance and does not address possible multi-media environmental impacts that may result from the use of the PuriNOx fuel.

If you have any questions, please contact me at (916) 322-6020, or Mr. Gary M. Yee, Manager, Industrial Section at (916) 327-5986.

Sincerely,

Dean C. Simeroth, Chief
Criteria Pollutants Branch

Enclosure

cc: Gary M. Yee, Manager
Industrial Section

CONDITIONS OF VERIFICATION OF EMISSION REDUCTIONS

The Air Resources Board's verification of emission reductions of the PuriNOx fuel is subject to the following conditions:

1. The Lubrizol Corporation (The Applicant) will provide an updated cetane test methodology and results based on the method using an "ignition quality tester" (a proposed ASTM method). Test results shall be made available to the ARB by March 31, 2001.

2. The Applicant shall provide an annual summary, ending each calendar year, specifying the total volume of PuriNOx fuel marketed for use or sale in California and the total number of California fleets using the fuel. The summary shall be submitted to the ARB by January 31st of each year.

3. The PuriNOx additive formulation and dosage rate shall be as specified in the original application excluding the wintertime fuel formulation (methanol formulation).

4. Any violation of the terms of these conditions shall cause the verification of emission reductions of the PuriNOx fuel to be void.