



Air Resources Board



Linda S. Adams

*Secretary for
Environmental Protection*

Mary D. Nichols, Chairman

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Arnold Schwarzenegger
Governor

May 24, 2010

Mr. David Seep
BNSF Railroad
920 SE Quincy
Topeka, Kansas 66612-1116

Dear Mr. Seep:

This letter is in reply to your request that we recognize the U.S. Environmental Protection Agency (U.S. EPA) emission limits for Burlington Northern Santa Fe (BNSF) Model MK1200 locomotives using engine family 9BNRK0263LNG. U.S. EPA issued a certificate of conformity, 9BNRK0263LNG-002 (enclosed), for this engine family dated July 30, 2009. The certificate states that engine family 9BNRK0263LNG conforms to applicable emission requirements for locomotives listed in Title 40 Code of Federal Regulations Part 92 (40 CFR 92).

As you know, in 1998, the BNSF Railway Company and Union Pacific Railroad Company (Participating Railroads), along with the Air Resources Board entered into a Memorandum of Mutual Understandings and Agreements¹ (1998 MOU) to reduce locomotive emissions in the South Coast Air Basin. Under the 1998 MOU, beginning no later than 2010, each Participating Railroad must calculate the fleet average for oxides of nitrogen (NOx) emissions from its locomotive fleet operating in the South Coast Air Basin. The fleet average is calculated using the emission level, as determined pursuant to 40 CFR 92 for the line-haul duty cycle, for each locomotive in operation in the South Coast Nonattainment Area.

Based on U.S. EPA certificate of conformity 9BNRK0263LNG-002, we recognize that engine family has a line-haul NOx emission level of 3.0 g/bhp-hr, and a particulate matter emission level of 0.1 g/bhp-hr. This NOx emission level for engine family 9BNRK0263LNG can be used in calculating the average NOx emissions for a locomotive fleet operating in the South Coast Air Basin. It should be noted that pursuant to the 1998 MOU locomotives with this emission level will only be considered Ultra Low Emitting Locomotives through the end of 2012.

¹ MEMORANDUM OF MUTUAL UNDERSTANDINGS AND AGREEMENTS, South Coast Locomotive Fleet Average Emissions Program, July 2, 1998

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>.

California Environmental Protection Agency

Mr. David Seep
May 24, 2010
Page 2

The emission level listed in this letter will be superseded if U.S. EPA revises the certificate of conformity referenced in this letter.

If you have any questions please contact me at (916) 324-8029, or at hholmes@arb.ca.gov.

Sincerely,

/s/ by HHB

Harold Holmes, Manager
Engineering Evaluation Section

Enclosure

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