



Air Resources Board



Matthew Rodriguez
Secretary for
Environmental Protection

Mary D. Nichols, Chairman
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Sacramento, California 95812 • www.arb.ca.gov

Edmund G. Brown Jr.
Governor

February 12, 2013

Mr. Michael Stanfill, Director
Environmental Engineering and
Program Development
BNSF Railway Company
920 SE Quincy
Topeka, Kansas 66612-1116

Dear Mr. ^{Mike} Stanfill:

The Air Resources Board (ARB) received BNSF Railway's (BNSF) 2011 Fleet Average Agreement Annual Compliance Report (Compliance Report) pursuant to Section IV.B. of the 1998 Memorandum of Mutual Understanding and Agreements, South Coast Locomotive Fleet Average Emissions Program (1998 Agreement). The Air Resources Board staff has determined that BNSF has fully complied with provisions of the 1998 Agreement for its operations in 2011.

BNSF's Compliance Report included the following:

- (1) BNSF's letter of certification: This letter is signed by the railroad and certifies that the information in this report is true, accurate and complete.
- (2) BNSF's fleet summary information: This is information regarding the methodology used by the railroad to comply with the 1998 Agreement (Form F-S).
- (3) BNSF's fleet average calculation: This information includes individual locomotive megawatt-hours and emission levels, as well as calculations and any necessary adjustments (Form F-A-1 through Form F-A-6).

Starting in calendar year 2010, the 1998 Agreement requires that BNSF have an annual locomotive final fleet average of 5.5 grams per brake horsepower-hour (g/bhp-hr) for oxides of nitrogen (NOx) for locomotive operations in the South Coast Air Basin. Additionally, the 1998 Agreement allows BNSF to use accumulated fleet average credits, including credits accrued from the use of ultra-low emitting locomotives (ULEL) in the South Coast Air Basin, in order to meet the locomotive final fleet average.

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. Michael Stanfill, Director

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Staff has reviewed BNSF's initial submittal of its Compliance Report, which included activity information (in megawatt-hours) and emission levels for over 1,600 individual locomotives in 2011. Staff assessed the accuracy of BNSF's data by comparison with extensive locomotive information collected from ARB field surveys, inspection reports, and locomotive inventories. After reviews were completed, it was determined that, for calendar year 2011, BNSF's final fleet average of 5.3 g/bhp-hr meets the required NOx compliance level set forth in the 1998 Agreement.

BNSF has also generated ULEL fleet average credits in 2011 by operating line haul locomotives that are about 30 percent cleaner than required. These locomotives have provided the South Coast Air Basin with significant early emission reductions and public health benefits. For 2011, BNSF did not need to apply any ULEL credit to adjust its initial fleet average.

As discussed, ARB will make all of the information publicly available except for individual locomotive activity levels, which have been determined to be business confidential according to California Government Code Section 6254.7. The activity data will be aggregated by tier or emission standard level.

Should you have any questions regarding BNSF's compliance with the 1998 Agreement, please contact me at (916) 324-0062 or cmarvin@arb.ca.gov, or Mr. Harold Holmes, Manager, Rail Strategies Section at (916) 324-8029 or hholmes@arb.ca.gov.

Sincerely,



Cynthia Marvin, Chief
Stationary Source Division

cc: See next page.