



Air Resources Board



Mary D. Nichols, Chairman

1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Linda S. Adams

Secretary for
Environmental Protection

Arnold Schwarzenegger
Governor

October 14, 2010

Mr. Jonathan Roberts
MIRATECH Corporation
420 South 145th East Avenue
Tulsa, Oklahoma 74108-1305

Dear Mr. Roberts:

This letter is in response to your request, dated September 22, 2009, for a verification of the hydrocarbon (HC), carbon monoxide (CO), and particulate matter (PM) emission levels for an *Electro Motive Diesel* (EMD) SD60 locomotive equipped with MIRATECH V-CAT™ Diesel Oxidation Catalyst. This verification would be for new, existing, or repowered V-CAT™-equipped locomotives using the EMD 16-710G3 engine family.

The Application for Verification was submitted pursuant to *California Code of Regulations*, Title 13 Section 2700. The application included results of the locomotive emission-testing requirements specified in Title 40 Code of Federal Regulations Part 92. Based on emissions testing data submitted, we recognize the V-CAT™-equipped EMD SD60 achieved switch-locomotive duty cycle emissions levels of 0.26 g/bhphr HC, 0.21 g/bhphr CO, and 0.23 g/bhphr PM. We also recognize the V-CAT™-equipped EMD SD60 achieved line-haul locomotive duty cycle emissions levels of 0.15 g/bhphr HC, 0.11 g/bhphr CO, and 0.15 g/bhphr PM.

If you have any questions please contact me at (916) 322-6020 or Mr. Harold Holmes, Manager, Engineering Evaluation Section, at (916) 324-8029 or hholmes@arb.ca.gov.

Sincerely,

Michael S. Waugh, Chief
Criteria Pollutants Branch

cc: Mr. Harold Holmes, Manager,
Engineering Evaluation Section