



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 11 2007

OFFICE OF
AIR AND RADIATION

Mr. Jim Biddinger
Program Manager
PUREM North America LLC
13400 Outer Drive West
Detroit, MI 48239-4001

Dear Mr. Biddinger:

The U.S. Environmental Protection Agency (EPA) has reviewed your request for verification of the PUREM PMF Green-Tec particulate filter/catalyst. Based on our evaluation of the verification application and corresponding test data, EPA hereby verifies that this technology reduces emissions of certain criteria pollutants by the percentages described in the table below when used with ultra low sulfur diesel fuel (<15 ppm S) as compared to a baseline engine running on the same fuel.

This technology combination is approved for use on the following categories of engines and/or vehicles provided all of the required operating criteria are met as described below:

All on-highway medium heavy-duty, non-EGR diesel engines and school bus applications, including turbo-charged or naturally aspirated and mechanically or electronically injected, originally manufactured from 1998 through 2003 model years up to 280 hp with ultra low sulfur diesel (less than 15 ppm).

Technology	Fuel (sulfur content)	Particulate Matter (PM) %	Carbon Monoxide (CO) %	Hydrocarbons (HC) %	Oxide of Nitrogen (NOx) %
PUREM PMF Green-Tec particulate filter/catalyst	<15 ppm	90	85	90	0

The following operating criteria must be met in order for appropriately retrofitted engines to achieve the aforementioned emissions reductions:

1. The engine should be well maintained and not consume lubricating oil at a rate greater than that specified by the engine manufacturer.
2. The engine must be operated with a fuel that contains a sulfur content of no more than 15 ppm.
3. The engine exhaust temperature must be at least 250 degrees C for 40% of the duty cycle. (As there may be variations from application to application, temperature data-logging and a review of vehicle operating conditions is required prior to retrofitting a vehicle to ensure compatibility.)
4. PUREM will install a backpressure monitor on all vehicles equipped with the PMF Green-Tec filter/catalyst with warning light for the driver.

Information on the PUREM PMF Green-Tec particulate filter/catalyst, percent reductions, applicable engines, and in-use testing program will be posted on the EPA's National Clean Diesel Campaign's website (www.epa.gov/cleandiesel). As you know, PUREM will be responsible for completing the required in-use testing program and for submitting all in-use testing data to EPA.

Thank you for participating in EPA's National Clean Diesel Campaign. If you have any questions or comments, please contact Jennifer Went, of my staff, at (202) 343-9302.

Sincerely,



Merrylin Zaw-Mon, Director
Transportation and Regional Programs Division
Office of Transportation and Air Quality