



Linda S. Adams
Secretary for

Environmental Protection

Air Resources Board

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



Arnold Schwarzenegger
Governor

December 31, 2008

Mr. Michael Pope
Marketing Manager/Senior Sales Engineer
Süd-Chemie Inc.,
32 Fremont Street
Needham, Massachusetts 02494

Dear Mr. Pope:

The Air Resources Board (ARB) has reviewed the Süd-Chemie Inc. request for the 2009 Plus designation for the EnviCat-DPF[®] diesel particulate filter (EnviCat-DPF[®]), designated family name **CA/SUD/2006/PM3/NOO/ST/DPF01**. Based on an evaluation of the data provided, the ARB hereby verifies that the EnviCat-DPF[®] meets the 20 percent nitrogen dioxide (NO₂) emissions limit when used in stationary prime or emergency stand-by generators and pumps with engines listed in the verification engine family list. The EnviCat-DPF[®] is verified as a Level 3 Plus diesel emissions control device. The new designated family name is **CA/SUD/2006/PM3+/NOO/ST/DPF01**.

The new executive order (E.O.) associated with this change to the 2009 Plus designation, DE-006-03-01, includes a change in the fuel description. The fuel description was modified to reflect the reduced sulfur level of CARB diesel and to allow the use of 20 percent biodiesel by volume provided that the biodiesel portion of the blend complies with ASTM D6751. There are also three additional minor revisions to the E.O.:

- Delete the reference to the prescribed number of hours of operation before cleaning the EnviCat-DPF[®] if higher sulfur (500 parts per million) is used
- Revise the company designation from EnviCat-DPF[™] to EnviCat-DPF[®]
- Update the engine family list to include current model year engines

In addition, Süd-Chemie has several minor revisions to the EnviCat-DPF[®] owner's manual, including updating the corporate contact information set forth in the EnviCat-DPF[®] owner's manual.

Süd-Chemie must include the emissions control strategy family name on all identification labels. The certified engine family list associated with the new emissions control strategy family name, **CA/SUD/2006/PM3+/NOO/ST/DPF01**, is the same as that for the original emissions control strategy family name, **CA/SUD/2006/PM3/NOO/ST/DPF01**, with the

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

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exception of an update to the present model year. No changes are permitted to the system as described in the enclosed E.O. DE-006-03-01. Any changes to the system, system components, applicable models, models years, etc. must be evaluated and approved by ARB. A copy of the revised E.O. is enclosed.

Since there may be significant variations from application to application, Süd-Chemie Inc. must review actual operating conditions (duty cycle, baseline emissions, exhaust temperature profiles, and engine backpressure) prior to retrofitting an engine with an EnviCat-DPF[®] particulate filter to ensure compatibility.

Furthermore, the engine on which a EnviCat-DPF[®] particulate filter is installed should be well maintained and not consume lubricating oil at a rate greater than that specified by the engine manufacturer. Süd-Chemie Inc. must install the Dwyer, Series 300 AN 14, or equivalent, backpressure monitor on all engines retrofitted with an EnviCat-DPF[®] particulate filter.

Additionally, as stated in the Diesel Emission Control Strategy Verification Procedure, Süd-Chemie Inc. is responsible for honoring their warranty (California Code of Regulations, Title 13, section 2707) and conducting in-use compliance testing (California Code of Regulations, Title 13, section 2709). Süd-Chemie Inc. must also comply with the system labeling requirements in accordance with section 2706(g).

Thank you for participating in ARB's diesel emissions control strategy verification program. Should you have any questions or comments, please contact Mr. Kirk Rosenkranz at (916) 327-7843.

Sincerely,

/s/

Robert D. Fletcher, Chief
Stationary Source Division

Enclosure

cc: Kirk Rosenkranz
Air Pollution Specialist