



# Air Resources Board



**Matthew Rodriguez**  
Secretary for  
Environmental Protection

**Mary D. Nichols, Chairman**  
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Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)

**Edmund G. Brown Jr.**  
Governor

October 29, 2014

Mr. Gregory Hoenert, Manager  
Global Emissions Certification and Compliance  
Caterpillar, Inc.  
P.O. Box 600  
Mossville, Illinois 61552

Dear Mr. Hoenert:

The California Air Resources Board (ARB) has reviewed the Caterpillar, Inc. (Caterpillar) ownership, name, and parts change request for the verified CleanAIR Systems, Inc. Permit™ DPF sent by email on May 11, 2014. Based on staff's review of the data submitted by Caterpillar, staff finds that the executive order (EO) for the CleanAIR Systems, Inc. PERMIT™ system can be used to establish a new EO for Caterpillar Emissions Solutions, Inc., a business unit within Caterpillar. The emissions control strategy verified under CleanAIR Systems called PERMIT™ will be renamed Caterpillar DPF for Stationary.

Since CleanAIR Systems already verified this emissions control strategy, the emissions and durability testing associated with stationary emergency/standby and prime generators has already been completed and no further testing is required. Accordingly, the Caterpillar DPF for Stationary is subject to the same terms and conditions that were applied to the CleanAIR Systems, Inc. Permit™ DPF which are listed in the new verification EO (EO DE-14-006). The Caterpillar DPF for Stationary is classified as Level 3 Plus emissions control strategy for stationary emergency/standby and prime generator applications. The associated list of engine families, parts list, and labels are attached to the Caterpillar DPF for Stationary executive order. This information and additional verification information can be found at <http://www.arb.ca.gov/diesel/verdev/vt/stationary.htm>.

Caterpillar Emissions Solutions requested that the Caterpillar DPF for Stationary use the DLAS300 exhaust backpressure monitor which provides the same alarms and warnings as the original HIBACK system. Since this change in exhaust backpressure monitors from the HIBACK to the DLAS300 will not change the performance of the Caterpillar DPF for Stationary and allows for greater data storage, ARB staff approves this change. Caterpillar Emissions Solutions can use the DLAS300 exhaust backpressure monitor with the Caterpillar DPF for Stationary.

*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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In addition, Caterpillar Emissions Solutions requests that two ceramic substrates produced by Corning be used for the Caterpillar DPF for Stationary system, the DuraTrap® CO and the DuraTrap® AC. The original PERMIT™ system uses the DuraTrap® CO ceramic substrate, so this is not a change and already approved for use. Since the DuraTrap® AC demonstrated no difference in filtration efficiency and a slight reduction in exhaust backpressure and this change will not affect the sizing criteria originally used for the PERMIT™ system, ARB staff approves the use of either the original ceramic substrate, the Corning DuraTrap® CO, or the newer Corning DuraTrap® AC replacement.

In summary, the name change and the two parts change requests are approved by ARB staff. Since the CleanAIR Systems, Inc. PERMIT™ is under new ownership and associated new name, the Caterpillar Emissions Solutions, Inc. Caterpillar DPF for Stationary, a new verification designated family name is needed. As specified in the Diesel Emission Control Strategy Verification Procedure, CCR, title 13, section 2706 (j), ARB assigns each Diesel Emission Control Strategy a family name. The new designated family name for the Caterpillar DPF for Stationary is:

**CA/CAT/2014/PM3+/N00/ST/DPF01**

This designated family name must be used in reference to this verification as part of the system labeling requirement. Labels attached to the Caterpillar DPF for Stationary and the engine must be identical.

Thank you for participating in ARB's diesel emission control strategy verification program. Should you have any questions or comments, please contact Mr. John Lee, Air Resources Engineer, at (916) 327-5975 or via email at [jlee@arb.ca.gov](mailto:jlee@arb.ca.gov).

Sincerely,



Cynthia Marvin, Chief  
Transportation and Toxics Division

Attachment

cc: Mr. John Lee  
Air Resources Engineer  
Control Strategies Section  
Transportation and Toxics Division