

EXECUTIVE ORDER DE-16-001-04

Pursuant to the authority vested in the California Air Resources Board (CARB) by Health and Safety Code, Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code section 39515 and 39616 and Executive Order G-14-012;

This action relates to Verification under sections 2700 through 2711 of Title 13 of the California Code of Regulations (CCR):

Cummins Pacific, LLC, (Cummins)
eMission DPF

CARB has reviewed Cummins' request for verification of the eMission DPF. Based on an evaluation of the data provided and pursuant to the terms and conditions specified below, the Executive Officer of CARB hereby finds that the eMission DPF reduces emissions of diesel particulate matter (PM) consistent with a Level 3 device (greater than or equal to 85% reductions) (California Code of Regulations (CCR), title 13, sections 2702 (f) and (g) and section 2708) and complies with the CARB January 1, 2009, nitrogen dioxide (NO₂) limit (CCR, title 13, sections 2702 (f) and 2706 (a)). Accordingly, the Executive Officer determines that the system merits verification and, subject to the terms and conditions specified below, classifies the eMission DPF as a Level 3 Plus for use with stationary emergency standby generators using engine families listed in Attachment 1.

This verification is subject to the following terms and conditions:

- The engine must be used in a stationary application associated with emergency standby generators.
- The engine must be certified for use in California or certified by the United States Environmental Protection Agency and must be in its original certified configuration.
- The engine must be:
 - Between 23 and 78 liters in displacement.
 - Certified to Tier 2 standards.
- The engine must meet 0.15 grams per brake horsepower hour (g/bhp-hr) diesel particulate matter (PM) or less based on certification or In-Use emissions testing (as tested on an appropriate steady-state certification cycle outlined in the CARB off-road regulations - similar to ISO 8178 D2).
- The engine must have one of the engine family names listed in the Attachment.
- The engine must not employ exhaust gas recirculation.
- The engine must not have a pre-existing oxidation catalyst.

- The engine must not have a pre-existing diesel particulate filter.
- The engine must not have a pre-existing selective catalytic reduction.
- The engine must be four-stroke.
- The engine can be turbocharged or naturally-aspirated.
- Cummins must review actual operating conditions (duty cycle, baseline emissions, engine exhaust backpressure profiles, and other pre-installation compatibility assessments as required in section 2706 (t) of title 13, of the CCR) prior to retrofitting an engine with the eMission DPF to ensure compatibility.
- The engine should be well maintained and not consume lubricating oil at a rate greater than that specified by the engine manufacturer.
- The eMission DPF must not be operated with fuel additives, as defined in section 2701 of title 13, of the CCR, unless explicitly verified for use with fuel additive(s).
- The other terms and conditions specified in Table 1 below.

Table 1: Summary of Conditions for the Cummins eMission DPF

Parameter	Value
PM Verification Level	Level 3 Plus: <ul style="list-style-type: none"> • PM - at least 85% reduction • NO2 - meets January 2009 limit
Application	Stationary Emergency Standby Power Generation
Size Range	Diesel Engine between 23 and 78 liters
Engine Type	Diesel, with or without turbocharger, without exhaust gas recirculation, Tier 2, certified to 0.15 g/bhp-hr or less of PM
Minimum Exhaust Temperature for Filter Regeneration	NA. Active regeneration with electronically heated exhaust
Maximum Consecutive Minutes Operating Below Passive Regeneration Temperature	NA
Number of Cold Start and Idle Sessions before Regeneration Required	NA

Parameter	Value
Number of Hours of Operation before Cleaning of Filter Required	Application Specific. 5500 Hours Typical.
Fuel	California diesel fuel with less than or equal to 15 ppm sulfur or a biodiesel blend provided that the biodiesel portion of the blend complies with ASTM D6751, the diesel portion of the blend complies with title 13, CCR, sections 2281 and 2282, and the blend contains no more than 20% biodiesel by volume.

This Executive Order is valid provided that installation instructions for eMission DPF do not recommend tuning the engine to specifications different from those of the engine manufacturer.

The eMission DPF is an active diesel exhaust filter system. It consists of a filter housing, electronic exhaust heater, diesel particulate filter, and monitoring system (backpressure sensor, temperature sensor, and a display unit that provides warnings when the filter or sensors become clogged or damaged). A schematic of the approved label is shown in Attachment 2.

No changes are permitted to the device unless approved by CARB. CARB must be notified in writing of any changes to any part of eMission DPF and these changes must be evaluated and approved by CARB. Failure to report any changes shall invalidate this Executive Order.

No person shall alter, physically disable, disconnect, bypass, or tamper with an installed CARB verified diesel emissions control strategy, as outlined in title 13, CCR, section 2711(e).

Should CARB become aware that a design feature of a verified device is altered, physically disabled, disconnected, bypassed, or tampered on multiple units by independent persons, Cummins will be responsible to propose a design modification and recall plan to the Executive Officer to minimize existing and potential for future tampering of the verified device.

Marketing of the eMission DPF using identification other than that shown in the Executive Order or for an application other than that listed in the Executive Order shall be prohibited unless prior approval is obtained from CARB.

As specified in the Diesel Emission Control Strategy Verification Procedure (CCR, title 13, section 2706 (j)), CARB assigns each Diesel Emission Control Strategy a family name. The designated family name for the verification as outlined above is:

CA/CMP/2016/PM3+/N00/ST/DPF01

This designated family name must be used in reference to this Executive Order as part of the system labeling requirement. Labels attached to the eMission DPF and the engine must be identical.

Proper engine maintenance is critical for the proper functioning of the diesel emission control strategy. The owner of the equipment on which the diesel emission control strategy is installed is strongly advised to adhere to all good engine maintenance practices. Failure to document proper engine maintenance, including keeping records of the engine's oil consumption, may be grounds for denial of a warranty claim.

The terms and conditions of this Executive Order must be satisfied regardless of where the system is sold in order for the system to be considered verified. Systems sold as verified, or which carry a CARB-approved label, must satisfy all the terms and conditions of this Executive Order.

Additionally, as stated in the Diesel Emission Control Strategy Verification Procedure, Cummins is responsible for honoring the record keeping requirements (CCR, title 13, section 2702), their warranty (CCR, title 13, section 2707), conducting In-Use compliance testing (CCR, title 13, section 2709), and complying with the system labeling requirements (CCR, title 13, section 2706 (j)).

In addition, CARB reserves the right in the future to review this Executive Order and verification provided herein to assure that the verified add-on or modified part continues to meet the standards and procedures of CCR, title 13, section 2222, et seq and CCR, title 13, sections 2700 through 2711.

Systems verified under this Executive Order shall conform to all applicable California emissions regulations. This Executive Order does not release Cummins from complying with all other applicable regulations.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order.

Executive Order DE-16-001-03 is hereby superseded and is of no further force and effect.

Executed at Sacramento, California, this 22nd day of August 2025.



Ajay Mangat, Assistant Division Chief, Transportation and Toxics Division

Attachment 1: Cummins Pacific eMission DPF Off-Road Certified Engine Family List (≤ 0.15 g/bhp-hr PM).

Attachment 2: Sample eMission DPF Label