October 2, 2026

Nicholas Tonsich, President
Clean Air Engineering – Maritime, Inc.
2500 Via Cabrillo Marina
San Pedro, California, 90731
ntonsich@caemaritime.com

Dear Nicholas Tonsich:

California Air Resources Board (CARB) is issuing the enclosed Executive Order (EO) G-25-098-002 for METS capture and control systems for auxiliary marine diesel engines on tanker vessels under the 2020 At Berth Regulation, California Code of Regulations, title 17, section 93130.5. EO G-25-098-002 identifies the monitoring, reporting, and record-keeping requirements for approved METS and stipulates the approved operating conditions for use of the METS as a CARB Approved Emission Control Strategy (CAECS). EO G-25-098-001 is hereby superseded and is of no further force and effect.

EO G-25-098-002 reflects the following changes:

Approval of Operational Change: Control of Two, Four, or Five Auxiliary Engines

EO G-25-098-002 incorporates an approved operational change allowing CAEM to control two, four, or five auxiliary engines on tanker vessels in addition to the three auxiliary engines in the previous approval. On September 8, 2025, CAEM submitted a test plan and design change request to modify the EO to allow METS systems to control two, four, or five auxiliary engines and up to two tanker auxiliary boilers. The METS systems use an expandable capture hood for tanker vessels to capture all sources. CARB approved the test plan on October 13, 2025, and CAEM submitted the corresponding test report on July 8, 2026. Based on CARB's review of the submitted documentation, the Executive Officer finds it appropriate to update the approval to reflect this modification, which includes authorization to control two, four, or five auxiliary engines on tanker vessels.

New In-Use Compliance Flexibility for Auxiliary Engines Across Vessel Types

EO G-25-098-002 now allows more flexibility for in-use compliance testing when a system is approved for multiple vessel types. If a system is approved for auxiliary engine use on more than one vessel type (such as container, ro-ro, or tanker vessels), the required in-use compliance testing only needs to be done on one vessel type. Any of the approved vessel types may be used for the testing, as long as all in-use compliance deadlines are met. This change helps avoid repeating the same testing on different vessel types while still ensuring emissions controls are properly verified.

In-Use Compliance Review

CARB has completed its review of the in-use compliance testing submitted for METS-4 previously added to CAEM's Executive Order. CAEM provided all required third-party emissions testing, capture-efficiency testing, durability testing, operational data, and statements of conformity for the duplicate system, consistent with the requirements of section 93130.5(j) of the At Berth Regulation. Based on CARB's evaluation, METS-4 has met the in-use compliance requirements and has demonstrated performance equivalent to the applicable base system. Accordingly, the "In-Use Compliance Testing" column in the Approved Equipment List in Attachment 1 of EO G-25-098-002 has been updated to indicate completion of the in-use compliance requirement for METS-4.

Approval Duration

CAEM may operate under the terms specified in the EO for METS-3 and any duplicates included in this EO as a CAECS for five years from the date when the METS-3 was approved (June 18, 2025) before needing to apply for an extension, as specified in section 93130.5(i)(1) of the 2020 At Berth Regulation.

Duplicate Systems

For a future duplicate system(s) to be added as approved equipment on an EO, CAEM will again need to submit information confirming that there are no modifications to design or operation for a future system(s) as compared to the existing approved equipment. Duplicate equipment must be identical to the METS-3.

The Executive Officer may revoke the EO, or approval of any or all METS listed as Approved Equipment in Attachment 1 of the EO, if the system fails to demonstrate that the expected emissions reductions are being achieved or if the METS design or approved operating parameters are changed without prior notification and approval by the Executive Officer.

If you have any questions, please contact *shorepower@arb.ca.gov*.

Sincerely,



Tracy Haynes, Chief, Freight Activity Branch, Transportation and Toxics Division

Attachment: EO G-25-098-002