

June 3, 2025

Nicholas Tonsich, President  
Clean Air Engineering - Maritime, Inc.  
2500 Via Cabrillo Marina  
San Pedro, California, 90731  
[ntonsich@caemaritime.com](mailto:ntonsich@caemaritime.com)

Dear Nicholas Tonsich:

California Air Resources Board (CARB) staff has reviewed Clean Air Engineering - Maritime, Inc.'s (CAEM) "METS-3 Test Report (Container and Ro-Ro)", dated December 24, 2024, supplemental information submitted on January 30, 2025 and March 7, 2025, and request for Executive Order (EO) for the METS-3 barge-based capture and control system to treat emissions from auxiliary marine diesel engines on container and roll-on/roll-off (ro-ro) vessels in accordance with CARB's Control Measure for Ocean-Going Vessels At Berth, title 17, California Code of Regulations 93130 *et seq* (2020 At Berth Regulation). **This letter addresses CAEM's request as it pertains to ro-ro vessels only;** a separate letter will address CAEM's request as it pertains to container vessels.

The purpose of the Test Report was to provide emission measurements and associated information to support the development of approved operation conditions for the METS-3 for use as a CARB Approved Emission Control Strategy (CAECS) by container and roll on/roll off (ro-ro) vessels. CARB staff's review of the CAEM Test Report was based on the requirements in the 2020 At Berth Regulation, the guidelines provided in CARB's "Revised Performance and Testing Guidelines for Emissions Control Strategies on Ocean-Going Vessels," and the CAEM Test Plan dated May 14, 2024, and approved on June 12, 2024.

We are pleased to inform you that we have confirmed the results of the emissions measurements which demonstrate the METS-3 meets all of the requirements of section 93130.5, including being grid neutral, and are issuing the attached EO G-25-097. Executive Order G-25-097 identifies the monitoring, reporting, and recordkeeping requirements for the METS-3, and stipulates the approved operating conditions for the use of the METS-3 as a CAECS.

The METS-3 has been granted EO G-25-097 under the 2020 At Berth Regulation, California Code of Regulations, title 17, section 93130.5(e)(3), and may operate under the terms specified in the EO for five years as a CAECS before needing to apply for an extension, as specified in section 93130.5(i)(1).

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In closing, we appreciate the opportunity to work with CAEM in its efforts to implement a barge-based capture and control system to treat ro-ro vessel auxiliary engine emissions while at berth. If you have any questions, please contact Angela Csondes, Manager, Marine Strategies Section at [angela.csondes@arb.ca.gov](mailto:angela.csondes@arb.ca.gov). In addition, please feel free to contact Sam Bailey, Air Pollution Specialist, Marine Strategies Section at [samuel.bailey@arb.ca.gov](mailto:samuel.bailey@arb.ca.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Bonnie Soriano".

Bonnie Soriano, Chief, Freight Activity Branch, Transportation and Toxics Division

Enclosure: Executive Order G-25-097

cc: Angela Csondes, Section Manager, Marine Strategies Section