

March 19, 2026

Michael Walker, CEO
STAX Engineering, Inc.
215 West Figueroa Street
Santa Barbara, California 90802
m.walker@staxengineering.com

Dear Michael Walker:

California Air Resources Board (CARB) is issuing the enclosed Executive Order (EO) G-25-200-001 for STAXbox 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-25-200-001 identifies the monitoring, reporting, and record-keeping requirements for approved STAXbox systems and stipulates the approved operating conditions for use of the STAXbox systems. EO G-25-200 is hereby superseded and is of no further force and effect.

EO G-25-200-001 reflects the following changes:

Approval of Operational Change: Control of Two Auxiliary Engines Using One STAXbox

EO G-25-200-001 incorporates an approved operational change allowing STAX to control two auxiliary engines with one STAXbox using a "Y" manifold. CARB issued EO G-25-200 on July 29, 2025, approving STAXbox 1-1 and STAXbox 1-2 for use on tanker vessels under the 2020 At Berth Regulation. Subsequently, STAX submitted the "Research Test Plan for Design Change - Tankers: Two Sources to One STAXbox Emissions Control System" on July 22, 2025, seeking approval for this design modification. CARB approved the test plan on August 28, 2025, and STAX submitted the corresponding test report on January 27, 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 tanker auxiliary engines using one STAXbox through a "Y" manifold configuration.

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

EO G-25-200-001 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.

Removal of STAXbox 8-1 and STAXbox 8-2 from the approved equipment list

Xcraft-8 (STAXbox 8-1 and STAXbox 8-2) was previously approved for use on tanker vessels under EO G-25-200; however, STAX requested STAXbox 8-1 and STAXbox 8-2 be removed from the approved equipment list. As requested by STAX on November 12, 2025, STAXbox 8-1 and STAXbox 8-2 have been removed from the approved equipment list under EO G-25-200-001 and may no longer be used for compliance with the 2020 At Berth Regulation. To use STAXbox 8-1 and STAXbox 8-2 on tanker vessels in the future, STAX will need to reapply and request that this system be added to the EO.

Addition of duplicate systems to the approved equipment list

STAX submitted a request to add duplicate equipment to the approved equipment list for STAX's EO for tanker vessels (EO G-25-200). STAXbox 6-1 and STAXbox 6-2 have been approved and added to Attachment 1 of EO G-25-200-001.

Approval Duration

STAX may operate under the terms specified in the EO, for Xcraft-1 and any duplicates included in this EO, as a CARB Approved Emission Control Strategy (CAECS) for five years from the date when Xcraft-1 (STAXbox 1-1 and STAXbox 1-2) was approved (July 29, 2025) before needing to apply for an extension, as specified in section 93130.5(i)(1).

Duplicate Systems

For a future duplicate system(s) to be added as approved equipment on an EO, STAX 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 Xcraft-1 (STAXbox 1-1 and STAXbox 1-2) dual train system.

The Executive Officer may revoke the EO, or approval of any or all STAXbox system(s) 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 STAXbox design or approved operating parameters are changed without prior notification and approval by the Executive Officer.

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If you have any questions, please contact Angela Csondes, Manager, Marine Strategies Section, at angela.csondes@arb.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bonnie Soriano". The signature is fluid and cursive, with the first name "Bonnie" written in a larger, more prominent script than the last name "Soriano".

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

Attachment: EO G-25-200-001

cc: Angela Csondes, Section Manager, Marine Strategies Section