

Instructions for Completing the Vessel Fleet Plan Form to Comply with Regulations to Reduce Emissions from Diesel Auxiliary Engines on Ocean-Going Vessels While at-Berth in a California Port

TO BE COMPLETED FOR EACH VESSEL FLEET

One of the planning documents required for this regulation is the vessel fleet plan. Operators of container-ship or refrigerated-cargo-ship fleets whose vessels cumulatively make 25 or more visits annually to one port and operators of passenger-ship fleets whose vessels cumulatively make five or more visits annually to one port must submit a plan to the ARB. Vessel plans are due October 1, 2016. More information on the regulation can be found in the [final rule](#) and in the [frequently asked questions](#) for this regulation.

ARB staff prepared forms that can be submitted to satisfy the vessel plan requirements. The vessel plan is divided into three forms. At a minimum, all submittals must include the information in Form 1, which covers general vessel operator and fleet information. Form 2 asks for vessel information on the vessels planning on using shore power for compliance, and Form 3 asks for vessel information on the vessels planning on using alternative control technologies for compliance. Confidential boxes are located on each form. If any box is marked "yes," a Confidential Information Agreement form must be completed and included in the plan.

The vessel plan forms are as follows:

1. Form 1 - General Information
2. Form 2 – Vessel Information- Shore Power Option
3. Form 3 – Vessel Information- Alternative Control Technologies Option
4. Confidential Information Agreement Submittal Form

Please read the following instructions and other supporting documents before beginning a vessel plan. Attachment A contains the Disclosure of Public Records under the California Code of Regulations. Attachment B contains definitions for terms used in the forms and instructions.

Contact Information and Submittal Information:

If you have any questions related to completing these forms, please contact:
Jonathan Foster, (916) 327-1512 or Lynsay Carmichael, (916) 327-5784
Shorepower@arb.ca.gov

Vessel Plan forms may be submitted by October 1, 2016, either in hard copy or electronically:

Submit a hard copy plan by mail to:
California Air Resources Board
Transportation and Toxics Division
Emissions Assessment Branch,
Technical Analysis Section
P.O Box 2815
Sacramento, CA 95812

Submit electronically to:
Shorepower@arb.ca.gov

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FORM 1 – INSTRUCTIONS

The purpose of Form 1 is to gather general information about the vessel fleet.

Table 1A General Information

Port/Date: Enter the name of the Port and the date

Vessel Operator: Enter the shipping fleet name

Address: Enter the mailing address

City, State, Zip: Enter the City, State, and Zip code

Contact Person: Enter the name of a contact person if there are any questions regarding the forms.

Title: Enter the business title of the contact person.

Phone, FAX: Telephone and FAX number of contact person

Email: Email of contact person.

Table 1B Fleet Summary

Check the appropriate vessel category for the fleet (Container, Refrigerated Cargo, Passenger):

List the total number of vessels visiting the port annually for most recent complete calendar year

List the total number of visits the vessels will make to the port annually for most recent complete calendar year

List the terminals that will be visited by vessels in the fleet

FORM 2 – INSTRUCTIONS

The purpose of Form 2 is to collect detailed information about the vessels expected to visit a port during 2017 that will be capable of using grid-based shore power.

Table 2A – Vessel Information – Shore Power

(2017) Provide the vessel name, Lloyd's number, number of vessel visits to the Port annually, and maximum power that the vessel is expected to use while at-berth for those vessels planning to use grid-based shore power by January 1, 2017: List the vessels in the fleet that are planned to be capable of using grid-based shore power by 2017. Also provide the Lloyd's number of each vessel, how many visits each vessel is estimated to make to a port over the year 2017, and the maximum power of the vessel while at berth in megawatts.

Table 2B Vessel Information – Shore Power

Provide the number of vessels that will likely use grid-based shore power in regulatory year (2020): Estimate the number of vessels that are expected to likely use grid-based shore power in the regulatory year 2020.

Estimate the total number of annual visits expected to be made by these vessels (2020): Provide an estimate on the total number of annual visits these vessels will make in the regulatory year 2020.

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Estimate the maximum amount of power expected to be used by these vessels while at berth (MW) (2020): Provide estimates on the maximum amount of power that is expected to be used by these vessels while at berth during the regulatory year 2020.

FORM 3 – INSTRUCTIONS

The purpose of Form 3 is to collect information about the vessels expected to visit a port during 2017 that will be utilizing an alternative control technology.

Table 3A – Vessel Information – Alternative Control Technology

Provide the vessel name, Lloyd’s number, type of control technology used (barge based capture and control system, distributed generation, etc.), number of vessel visits to the Port annually, and maximum power that the vessels are expected to use while at-berth by January 1, 2017. Attach any additional sheets and indicate reference to Table 3A: List the vessels in the fleet that are planned to reduce their emissions while at-berth using alternative control technologies beginning in 2017. Include the vessel name, Lloyd’s number, the type of control technology used (e.g. barge based capture and control system, distributed generation, shore-side alternative control, etc.), the expected number of vessel visits to the Port in 2017, and the maximum power of the individual vessels while at berth (MW).

Table 3B – Vessel Information – Alternative Control Technology

Provide estimates for the number of vessels that are expected to have their emissions reduced, by each type of control technology, to satisfy the requirements by 2020: List the types of control technology that are expected to be utilized, how many vessels will use that technology and the total number of annual visits those vessels will make to the Port to satisfy the requirements by 2020.

Table 3C – Vessel Information – Alternative Control Technology

Provide a description of the control technology used. Include the identification of the pollutant being reduced, the expected emission reduction (percent reduced). Attach a submittal of emission testing results or other documentation and indicate reference to Table 3C: Describe the control technologies that are expected to be utilized and the targeted pollutant(s) that are being reduced as well as the percent emission reduction expected to be achieved. Attach a submittal of emission testing results or other documentation and indicate reference to Table 3C.