

Welcome

These forms are for your convenience in understanding and reporting the information required by the Commercial Harbor Craft regulation.

All commercial harbor craft with diesel engines that operate in Regulated California Waters are subject to the regulation.

Please click the **red tab** at the bottom of the screen and read the **INSTRUCTIONS** before filling out the forms. Instructions pertaining to each column on the forms are also embedded as comments on the electronic version of the Excel spreadsheet for your convenience. "Hover" your cursor over the column headings and instructions specific to the column will appear.

Fill in your company and contact information on the **COMPANY CONTACT** form (left-most **yellow tab**) at the bottom of the screen. The company name and the date will appear on the other forms.

Next, complete the **VESSEL INFORMATION** yellow tab for vessels with diesel engines.

Finally, complete the **ENGINE INFORMATION** yellow tab for your diesel engines.

If you have more than 10 engines, please call ARB staff at (888) 442-7238 and request a larger reporting form.

**Please complete as much information as possible.
If you are uncertain as to an answer, please enter your best estimate.**

Please do not hesitate to contact the Air Resources Board staff for assistance at:

Phone: (888) 442-7238

Email: harborcraft@arb.ca.gov

Thank you for your help reducing diesel particulate matter and NOx pollutants.

FINAL REGULATION ORDER EFFECTIVE NOVEMBER 19, 2008

AIRBORNE TOXIC CONTROL MEASURE FOR DIESEL ENGINES ON
COMMERCIAL HARBOR CRAFT OPERATED WITHIN
CALIFORNIA WATERS AND 24 NAUTICAL MILES OF THE CALIFORNIA BASELINE**Key things to remember when reporting commercial harbor craft diesel engines:**

- 1) The **INITIAL REPORT** is due **MARCH 31, 2009** (a 30-day grace period has been administratively granted from the February 28th deadline). This report is to be submitted by all owners or operators with commercial harbor craft in their direct control on January 1, 2009, including all vessels owned, rented, or leased.
- 2) An **ENGINE REPORT** is due in subsequent years for any diesel engine for which there is a significant change in annual hours of operation, vessel category/use, or a change of ownership or operation. Report is due **within 30 days** of the change.
- 3) For diesel engines in vessels that operate as a ferry, excursion vessel, tugboat, or towboat, the **COMPLIANCE PLAN** is due **FEBRUARY 28** of the year engine compliance is required (for 2009 compliance dates, a 30-day grace period has been administratively granted from the February 28th deadline until March 31, 2009). If there is a significant change in annual hours of operation, vessel category/use, or a change of ownership or operation (i.e., to make the engine's compliance date earlier than the original compliance date), the **COMPLIANCE PLAN** is due **within 90 days of the change or by December 31 of the compliance year, whichever is later**. If a change makes the engine's compliance date later than the original compliance date, the **COMPLIANCE PLAN** is due **within 90 days** of the change.
- 4) For diesel engines in vessels that operate as a ferry, excursion vessel, tugboat, or towboat, the **DEMONSTRATION OF COMPLIANCE** report is due no later than the applicable compliance date specified in section 93118.5(e)(6)(D), title 17, chapter 1, subchapter 7.5, California Code of Regulations (CCR)

Note to users of the electronic Excel version of this form: (hover your cursor over this cell)

The supporting Regulation references appear as comments on the Excel spreadsheet form.

Placing the cursor over a cell with a red corner will open the comment pertaining to the particular information. This cell has a comment attached to demonstrate the use of comments. Note the red corner in the upper right of the cell -- it indicates that there is a comment. When the cursor hovers over this cell, the comment will appear with the text of this note.

**Explanations of each element of the engine reporting forms
(numbers correspond to columns on the report forms)**

Company Contact

Please submit one form for each homeport where your company's vessels are registered

- (1) Enter the date this report will be submitted to the ARB Executive Officer.
 - Initial Report is due February 28, 2009.
 - Compliance Plan is due February 28 the year of compliance.
 - Demonstration of Compliance is due by the compliance date specified in section 93118.5(e)(6)(D), title 17, chapter 1, subchapter 7.5, CCR
 - Changes in annual hours, vessel category/use, control of vessel operations, or a change of ownership of vessel/engine are due within 30 days of change.
 - New Compliance Plan is due 90 days after significant changes in annual hours, vessel category or use, control of vessel operations, or a change of ownership of vessel/engine.

Section 93118.5 (g)(1), title 17, chapter 5.1 CCR

- (2) Enter one of the following (or select from the pull-down menu in Excel):
 - Initial Report
 - Compliance Plan
 - Demonstration of Compliance
 - Change of Annual Hours
 - Change of Vessel Lease
 - Change of Vessel Rental
 - Change of Engine Ownership
 - Change of Vessel Ownership

- (3) Select the year for which the vessel, engine and operating information applies.

- (4) Enter the company names of the **owner** and **operator** of the vessel as of January 1, 2009 for Initial Report.

Resubmit this form without altering the company name when submitting Compliance Plan and Demonstration of Compliance, or when reporting changes in annual hours of operation, vessel category/use or transfer of vessel.

In the case of a purchase, lease, rental or change in ownership of the vessel or engine, the party in control of, or in possession of, the engine or vessel after completion of the transaction is responsible for submitting a new report with the new owner/operator name.

Section 93118.5 (g)(1), title 17, chapter 5.1 CCR

- (5A) Indicate whether the contact person and address are for the owner or operator, or both.
- (5B) Enter the company address for the person who is submitting the reporting forms.
- (6) Enter the name and contact information for the person who is submitting the reporting forms.

Section 93118.5 (g)(1), title 17, chapter 5.1 CCR

Vessel Information

- (7) Vessel number is pre-entered on the form and is used to synchronize entries on the other forms. The vessel number will be associated with each harbor craft on the following Excel forms. The vessel name will carry forward automatically to **Engine Report** and **Record Retention** forms.
- (8A) Enter the names of harbor craft in your fleet. Section 93118.5 (g)(2)(A), title 17, chapter 5.1 CCR
- (8B) If the name of the harbor craft has changed since the previous report was submitted, enter "yes" or select "yes" from the drop down list. Section 93118.5 (g)(2)(A), title 17, chapter 5.1 CCR
- (8C) If the name of the harbor craft has changed since the previous report was submitted, enter the previous vessel name. Section 93118.5 (g)(2)(A), title 17, chapter 5.1 CCR
- (9) Enter the total number of main (propulsion) and auxilliary engines on each harbor craft.
- (10) Select the primary use category from the pull-down menu in Excel. If your category is not listed, select "Other" and enter the vessel use category in #12.
- Crew and Supply
 - Charter Fishing
 - Commercial Fishing
 - Excursion
 - Ferry
 - Ocean-going Tug
 - Pilot Vessel
 - Push Boat
 - Research
 - Towboat
 - Tugboat
 - Work Boat
 - Other
- Section 93118.5 (g)(2)(B), title 17, chapter 5.1 CCR
- (11) If applicable, enter the secondary use category of the harbor craft. Select from the list in #10 above. If the vessel's use category is not listed, select "Other" and enter the use category in counn #12. Section 93118.5 (g)(2)(B), title 17, chapter 5.1 CCR
- (12) If classifications listed under columns (10) and (11) do not describe the vessel use, please select "Other" in column (10) and/or (11) and enter description of the vessel primary and secondary use category, if applicable in #12. Section 93118.5 (g)(2)(B), title 17, chapter 5.1 CCR
- (13A) Enter the home port of the harbor craft. Section 93118.5 (g)(2)(C), title 17, chapter 5.1 CCR
- (13B) Enter the address of the homeport. Section 93118.5 (g)(2)(C), title 17, chapter 5.1 CCR
- (14) Enter the year the harbor craft was built. Section 93118.5 (g)(2)(D), title 17, chapter 5.1 CCR
- (15) Enter the identification number assigned by the U.S. Coast Guard. Enter NA if Not Applicable. Section 93118.5 (g)(2)(E), title 17, chapter 5.1 CCR
- (16) Enter the identification number assigned by the California Fish and Game Department. Enter NA if Not Applicable. Section 93118.5 (g)(2)(F), title 17, chapter 5.1 CCR
- (17) Enter the identification number assigned by the International Maritime Organization (IMO). Enter NA if Not Applicable. Section 93118.5 (g)(2)(F), title 17, chapter 5.1 CCR
- (18) Enter the vessel Call Sign number. Enter NA if Not Applicable. Section 93118.5 (g)(2)(H), title 17, chapter 5.1 CCR
- (19) Enter the vessel's Maritime Mobile Service identity number. Enter NA if Not Applicable. Section 93118.5 (g)(2)(I), title 17, chapter 5.1 CCR

Engine Information

- (20) Select from the drop-down menu, the general use of the engine, i.e., Auxiliary engine or Main (propulsion) engine. Section 93118.5 (g)(4)(A), title 17, chapter 5.1 CCR
- (21) Enter the manufacturer of each engine on the vessel. Please standardize manufacture names using the following examples:
- Caterpillar
 - Cummins
 - Detroit Diesel
 - GM Detroit Diesel
 - Honda
 - Isuzu
 - John Deere
 - Johnson
 - Kubota
 - Lister
 - Lugger
 - Mitsubishi
 - Northern Lights
 - Volvo Penta
 - Yamaha
- Section 93118.5 (g)(3)(B), title 17, chapter 5.1 CCR
- (22) Enter the model of each engine on the vessel. Section 93118.5 (g)(3)(C), title 17, chapter 5.1 CCR
- (23A) Enter the model year (year of manufacture) of each engine **currently** on the vessel. Section 93118.5 (g)(3)(F), title 17, chapter 5.1 CCR
- (23B) If the engine was rebuilt to Tier-1 standard prior to January 1, 2009, enter the year the rebuild was done. Section 93118.5 (e)(6)(C), title 17, chapter 5.1 CCR
- (24) Enter the engine family of each engine on the vessel, or enter NA if there is no applicable family. Section 93118.5 (g)(3)(D), title 17, chapter 5.1 CCR
- (25) Enter the serial number of each engine on the vessel. Section 93118.5 (g)(3)(E), title 17, chapter 5.1 CCR
- (26) Enter the rated brake horsepower of each engine on the vessel. Section 93118.5 (g)(3)(G), title 17, chapter 5.1 CCR
- (27) Enter the total displacement in liters of each engine on the vessel. Liters = cubic inches divided by 61. Section 93118.5 (g)(3)(H), title 17, chapter 5.1 CCR
- (28) Enter the number of cylinders in each engine on the vessel. Section 93118.5 (g)(3)(I), title 17, chapter 5.1 CCR
- (29) Enter the hour meter reading at the last top end rebuild (i.e., less than full rebuild) on each engine. Section 93118.5 (g)(6)(A), title 17, chapter 5.1 CCR
- (30) Enter the hour meter reading at the last full engine rebuild on each engine. Section 93118.5 (g)(6)(B), title 17, chapter 5.1 CCR
- (31) Enter the number of times a full engine rebuild has been completed on each engine. Section 93118.5 (g)(6)(C), title 17, chapter 5.1 CCR

Vessel Operation

- (32) Enter the current hour meter reading for each engine on the vessel. Section 93118.5 (g)(3)(A), title 17, chapter 5.1 CCR
- Information in boxes 33-38 pertains only to engine operation in Regulated California Waters.
- (33) Enter the estimated annual fuel usage for each engine during the previous calendar year. Section 93118.5 (g)(3)(A), title 17, chapter 5.1 CCR
- (34) Enter the total annual hours of operation for commercial purposes in Regulated California Waters based upon readings of the non-resettable hour meters for previous (reporting) calendar year for each engine on the vessel. Estimate pre-2009 engine hours. Section 93118.5 (g)(4)(B), title 17, chapter 5.1 CCR
- (35) Estimate the percentage of operating time spent less than 3 miles from shore for each engine on the vessel. Section 93118.5 (g)(4)(D), title 17, chapter 5.1 CCR
- (36) Estimate the percentage of operating time spent more than 3 miles and up to 24 miles from shore for each engine on the vessel. Section 93118.5 (g)(4)(D), title 17, chapter 5.1 CCR
- (37) Estimate the percentage of operating time spent more than 24 miles from shore for each engine on the vessel. Section 93118.5 (g)(4)(D), title 17, chapter 5.1 CCR
- (38) This cell displays the sum of columns (35, (36) and (37). If the sum does not equal 100%, a red warning will appear. Section 93118.5 (g)(4)(D), title 17, chapter 5.1 CCR

Control Equipment**(if applicable)**

- (39) Enter the type of diesel emission control strategy (DECS) that is installed on each engine on the vessel. Section 93118.5 (g)(5)(A), title 17, chapter 5.1 CCR
- (40) Enter the manufacturer of DECS installed on each engine on the vessel. Section 93118.5 (g)(5)(B), title 17, chapter 5.1 CCR
- (41) Enter the model of DECS installed on each engine on the vessel. Section 93118.5 (g)(5)(C), title 17, chapter 5.1 CCR
- (42) Enter the installation date of DECS on each engine on the vessel. Section 93118.5 (g)(5)(F), title 17, chapter 5.1 CCR
- (43) Enter the serial number of the DECS on each engine on the vessel. Section 93118.5 (g)(5)(E), title 17, chapter 5.1 CCR
- (44) Enter the NOx percent reduction on each engine on the vessel, or enter "0" if there is no installed DECS. Section 93118.5 (g)(5)(D), title 17, chapter 5.1 CCR
- (45) Enter particulate matter percent reduction on each engine on the vessel, or enter "0" if there is no DECS. Section 93118.5 (g)(5)(D), title 17, chapter 5.1 CCR

Compliance Plan

- (46) Enter the planned engine replacement date to meet the requirements of subsection (e)(6)(C) and (e)(6)(D). Section 93118.5 (h)(2), title 17, chapter 5.1 CCR
- (47) Enter the planned engine rebuild date to meet the requirements of subsection (e)(6)(C) and (e)(6)(D). Section 93118.5 (h)(2), title 17, chapter 5.1 CCR
- (48) Enter the planned engine upgrade date to meet the requirements of subsection (e)(6)(C) and (e)(6)(D). Section 93118.5 (h)(2), title 17, chapter 5.1 CCR
- (49) Enter the planned DECS installation date to meet the requirements of subsection (e)(6)(C) and (e)(6)(D). Section 93118.5 (h)(2), title 17, chapter 5.1 CCR

- (50) Describe the intended compliance plan to meet the requirements of subsection (e)(6)(C) and (e)(6)(D).
Section 93118.5 (h)(2), title 17, chapter 5.1 CCR

Demonstration of Compliance

- (51) Enter the year the engine was actually replaced. Section 93118.5 (h)(3), title 17, chapter 5.1 CCR
- (52) Enter the year the engine was actually rebuilt. Section 93118.5 (h)(3), title 17, chapter 5.1 CCR
- (53) Enter the year the engine was actually upgraded. Section 93118.5 (h)(3), title 17, chapter 5.1 CCR
- (54) Enter the date DECS was actually installed. Section 93118.5 (h)(3), title 17, chapter 5.1 CCR
- (55) Describe replacement, rebuild, upgrade, DECS installation and any other measure actually performed for each engine. Section 93118.5 (h)(3), title 17, chapter 5.1 CCR

Record Keeping

- (56) Enter the retirement date for near-retirement vessel for which an exemption is claimed pursuant to subsection (c)(13). Section 93118.5 (g)(7), title 17, chapter 5.1 CCR
- (57) Enter the DECS manufacturer name and contact information pursuant to subsection (e)(6)(D)2, if applicable. Section 93118.5 (g)(8)(A), title 17, chapter 5.1 CCR
- (58) Enter the Diesel Emission Control Strategy (DECS) name pursuant to subsection (e)(6)(D)2, if applicable. Section 93118.5 (g)(8)(B), title 17, chapter 5.1 CCR
- (59) Enter the Diesel Emission Control Strategy (DECS) type pursuant to subsection (e)(6)(D)2, if applicable. Section 93118.5 (g)(8)(B), title 17, chapter 5.1 CCR
- (60) Enter the Diesel Emission Control Strategy (DECS) date of installation pursuant to subsection (e)(6)(D)2, if applicable. Section 93118.5 (g)(8)(C), title 17, chapter 5.1 CCR
- (61) Enter the "Model Year + 5" pursuant to subsection (e)(6)(C)2, if applicable. Section 93118.5 (g)(8), title 17, chapter 5.1 CCR
- (62) Enter the date of signed contract or purchase order for new engine or equipment purchased to comply with subsection (e)(6)(C) and (e)(6)(D) if claiming an extension pursuant to subsection (e)(6)(E)3. Section 93118.5 (g)(10), title 17, chapter 5.1 CCR
- (63) Enter the date engine was dismantled or destroyed for each engine that is replaced. Section 93118.5 (g)(10), title 17, chapter 5.1 CCR
- (64) Enter the date of approval of ACE plan and retain all records specific to an E.O. approval. Section 93118.5 (g)(12), title 17, chapter 5.1 CCR
- (65) Enter the date of approval of BACT and retain all records specific to an E.O. approval pursuant to subsection (e)(5). Section 93118.5 (g)(13), title 17, chapter 5.1 CCR

Commercial Harbor Craft Report

COMPANY CONTACT

Date: _____ (1)
Type of Report **Initial Report** _____ (2)
Year Ending **12/31/2008** _____ (3)
Owner Company Name: _____ (4)
Operator Company Name: _____ (4)

Owner/Operator: _____ (5A)

Mailing Address: _____ (5B)

City: _____

State _____

ZIP Code: _____

Contact Name: _____ (6)

Title: _____

Phone: _____

Fax: _____

Email: _____

Refer to section 93118.5, title 17, chapter 5.1, California Code of Regulations

Low Sulfur Fuel Requirement, Emission Limits and Other Requirements for Commercial Harbor Craft

Recordkeeping Requirements.

Beginning January 1, 2009, the owner or operator of a harbor craft must maintain the records specified in this subsection on the vessel or at the vessel's homeport for the life of each engine subject to this section. The owner or operator must provide such records for inspection to an agent or employee of ARB upon request for all harbor craft subject to this section. Records may be provided as a hard copy, electronic, or any alternative reporting strategy approved by the Executive Officer.

Submittal of Documents.

All documents required under this regulation must be submitted to the Executive Officer as follows:

Electronically by email:
harborcraft@arb.ca.gov

Hard copy by mail:
California Air Resources Board
Stationary Source Division
Emissions Assessment Branch
Control Strategies Section, Harbor Craft
P.O. Box 2815
Sacramento, California 95812-2815

