



Alan C. Lloyd, Ph.D.
Agency Secretary

Air Resources Board

Robert F. Sawyer, Ph.D., Chair
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov



Arnold Schwarzenegger
Governor

Statewide Portable Equipment Registration

Registration No: 116767

Legal Owner or Operator:

Environmental Crossings, Inc.

Mailing Address:

1306 N. FM 3083 Rd.
Conroe, TX 77303-1827

Engine Description:

Certified non-road portable internal combustion engine, compression ignition, Caterpillar, model 3406, Serial No: 3ER05767, rated at 440 bhp, diesel fueled and equipped with turbocharger.

U.S. EPA Engine Family Name:

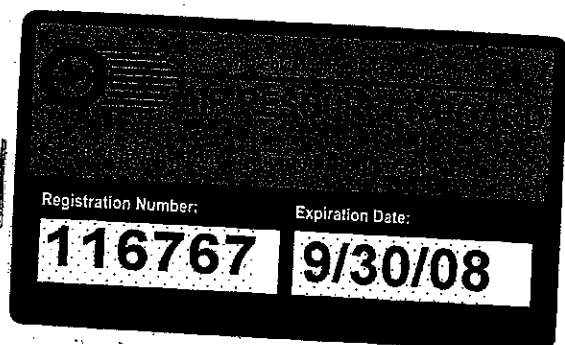
YCPLX14.6MRJ

Conditions:

see attached

Home District:

none



Expiration Date: September 30, 2008

Jorge Fernandez
Chief, Program Evaluation Branch
Stationary Source Division

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.
For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

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Arnold Schwarzenegger
Governor

January 20, 2006

Douglas R. Steen
Environmental Crossings, Inc.
1306 N. FM 3083 Rd.
Conroe, TX 77303-1827

Dear Douglas R. Steen:

RE: Application # 6229

We have completed the evaluation of your January 11, 2006 request for renewal of Application # 6229 in the Statewide Portable Equipment Registration Program. Based on our evaluation, renewals will be issued for the following engine(s)/equipment unit(s):

Description	Serial Number	Registration Number	ARB Tracking #
Engine	3ER05767	116767	20021816

Enclosed with this letter is a registration certificate, operating conditions, and sticker for each engine/equipment unit listed. A copy of the registration certificate and operating conditions must be kept with the engine/equipment unit or on the immediate premises at all times. In addition, each unique sticker must be permanently affixed in plain view on the corresponding unit for which the sticker was issued.

As a requirement of registration, the owner or operator of the registered portable engine/equipment unit is subject to district notification requirements as listed in the attached operating conditions. In addition, local air quality management or air pollution control districts (districts) may perform compliance inspections and collect inspection fees. Any violation of the operating conditions may result in legal action by either the districts or the Air Resources Board.

Please indicate your application number, listed above, on any future correspondence with us regarding the Statewide Registration Program. If you have any questions regarding your registration, please call Joseph Gormley at (916) 322-5616.

Sincerely,


Jorge Fernandez, Chief
Program Evaluation Branch
Stationary Source Division

Enclosures

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Statewide Portable Equipment Registration

**The following operating conditions apply for registration #116767
Engine Serial # : 3ER05767**

General Requirements

1. The engine shall be properly maintained and kept in good operating conditions at all times.
2. The registration identification device shall be affixed in a visible location on the registered portable engine at all times. A legible copy of the registration certificate shall be kept on site with the portable engine and shall be made accessible to the Air Resources Board or district representative upon request.
3. Engine fuel shall meet standards for California motor vehicle fuels as set forth in Chapter 5, Division 3, Title 13, of the California Code of Regulations, or shall have been verified through the In-Use Strategies to Control Emissions From Diesel Engines verification procedure per Title 13 of the California Code of Regulations commencing with section 2700.
4. The engine and any replacement engine shall not reside at the same location for more than 12 consecutive months.
5. The operation of this engine shall not cause a public nuisance.
6. The operator of a portable engine or equipment unit shall obtain district authorization prior to operation at any specific location where the Statewide registration is not valid.
7. This registration is not valid for operation within the boundaries of the California Outer Continental Shelf and State Territorial Waters.
8. The portable engine shall not be operated under both statewide registration and a district permit at any specific location.
9. This registration is not valid for operation of an engine that powers an equipment unit that has been determined by the Air Resources Board to qualify as part of a stationary source permitted by a district.

Notification

10. If a registered portable engine will be in a district for more than five days, the operator shall notify the district in writing, facsimile, electronic mail, or telephone within two working days of commencing operations in that district. Notification shall include the registration number of the engine, name and phone number of the responsible official, and estimated number of days the engine will be located in the district. If the district has not been notified because the owner or operator did not expect the duration of operation to trigger notification, the owner or operator shall notify the district within 12 hours of determining the portable engine will be operating in the district more than five days.
11. When this engine is sold, the new owner shall submit a change of ownership application. The existing registration is not valid for the new owner until the application has been filed and all applicable fees have been paid.

The following operating conditions apply for registration # 116767
Engine Serial # : 3ER05767

12. The owner of a registered portable engine shall notify the Executive Officer in writing within five days of replacing the registered portable engine with an identical replacement. The notification shall include company name, the responsible official, phone number, registration number, make, model, rated brake horsepower, and serial number of the identical replacement, description of the mechanical breakdown, and applicable fees.

Fleet Average Requirements

13. By January 1, 2020, this engine shall be equipped with a properly functioning level-3 verified technology as defined in Title 13 of the California Code of Regulations Section 93116.2, equipped with emission control strategies that have been verified together to achieve at least 85% reduction in diesel PM emissions, or shall be replaced with an engine that is certified to meet the Tier 4 emission standards.
14. Except for low-use engines and engines used exclusively in emergency applications, for engines greater than or equal to 175 bhp but less than 750 bhp, a weighted fleet average PM emission factor of 0.15 g/bhp-hr shall be met by **January 1, 2013**, 0.08 g/bhp-hr shall be met by **January 1, 2017**, and 0.02 g/bhp-hr shall be met by **January 1, 2020**. Changes in the fleet, including engine additions and deletions, shall not result in noncompliance with this standard.
15. The weighted fleet average PM emission factor shall be calculated by taking the summation of the emission factor for each engine in the fleet multiplied by the bhp rating for each engine and then dividing that summation by the summation of the bhp ratings for all the engines in the fleet.
16. The weighted fleet average PM emission factor calculation shall use the test results from nonroad emission standard certification, test results from a verified emission control strategy as defined in Title 13 of the California Code of Regulations Section 93116.2, or the test results from a SCR system. All test results shall be made available to the Air Resources Board upon request.
17. Where equipment uses grid power for more than 200 hours in lieu of operating a portable diesel engine for a given project, the time period grid power is used may be used to reduce each affected engine's emission factor. The emission factor for each affected portable engine shall be reduced proportionally by the percentage of time the equipment uses grid power.
18. The weighted fleet average PM emission factor shall include all portable engines, including those permitted or registered with a local air district, that are owned and managed by an individual operational entity, such as a business, business unit within a corporation, or individual city or state department under the control of a Responsible Official. Engines that are owned by different business entities that are under the common control of only one Responsible Official shall be treated as a single fleet.

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Fleet Recordkeeping

19. Starting January 1, 2012, the responsible official of a fleet shall keep records of annual operating hours for non-diesel fueled portable engines used as part of a company's fleet average, engines affected by the use of electrification, low-use engines, and engines used exclusively in emergency applications.
20. All records pertaining to the fleet average shall be maintained at a central place of business for a minimum of five years, and made accessible to the Air Resources Board or district representative upon request.

Fleet Reporting and Notification

21. The Responsible Official of a fleet shall submit to the Air Resources Board the fleet's weighted average PM emission rate for the 2010 calendar year, including an inventory of portable engines in the fleet, by March 1, 2011. The engine inventory shall include make, model, serial number, year of manufacture, primary fuel type, PM emission factor (g/bhp-hr), and district permit or State registration number for each engine to be used in the fleet average determination.
22. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2011 a list of all low-use engine, engines used exclusively in emergency operations, and alternative-fueled engines added to the fleet prior to January 1, 2009. The list shall include for each engine: make, model, serial number, and district permit or State registration number.
23. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2013, March 1, 2017, and March 1, 2020 a signed statement of compliance that the fleet standards are being achieved. The Statement of compliance shall include for each engine in the fleet: make, model, serial number, fuel type, PM emission factor (g/bhp-hr), and district permit or State registration number. If compliance with the fleet average includes the use of electrification, the Responsible Official shall provide documentation supporting the credit claimed for electrification.
24. As part of each statement of compliance, the Responsible Official shall, if applicable, certify that all alternative-fueled engines included in the fleet average operated at least 100 hours during the previous 12 months prior to the fleet emission standard becoming effective, for all engines exclusively used in emergency applications, the engines were used only for emergency applications, for all engines using the low-use designation, the engines operated no more than 80 hours for the reporting period, and for all portable diesel-fueled engines equipped with SCR, the engine complies with applicable district or Statewide Portable Equipment Registration Program requirements.

The following operating conditions apply for registration # 116767

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25. The Responsible Official of a fleet electing to use electrification in determining the fleet average shall notify prior to the start of the project the Executive Officer of the dates, location of the project, and make, model, serial number, district permit or State registration number of the affected engines. In addition, the notification shall clearly identify the electrification activity, including indicating the amount of electricity used and the time period for the project.