

What Do I Need to Do if I Plan to Install a New Diesel Engine?

The following points have been developed to assist owners/operators of stationary diesel fueled internal combustion engines that are rated over 50 brake-horsepower. This page applies to owners/operators of new engines. A separate page addresses the requirements for existing (in-use) engines.

- The Stationary Diesel ATCM applies to any diesel engine rated over 50 bhp.
- There are different requirements for existing (called in-use) engines and new engines. An existing (in-use) engine is defined as any engine installed prior to January 1, 2005. A new engine is any engine installed on or after that date.
- There are two categories of engines: Emergency standby (E/S) engines and Prime engines. Separate requirements are defined for in-use and new engines have been defined for both engine categories. Definitions of these and all other terms can be found in Section (b) of the ATCM (see http://www.sbcapcd.org/eng/atcm/dice/dice_atcm.htm).
- Table 1 (p. 17) of the ATCM summarizes most of the requirements for new E/S engines. Table 3 (p. 22) of the ATCM address most of the requirements for new Prime engines. Each owner/operator should read the ATCM.
- January 1, 2005 is the effective date for owners/operators of new engines to comply with the ATCM's requirements. Please plan properly such that your procurement contract for the new engine addresses all the applicable requirements.
- Each engine must have a four-digit non-resettable hour meter installed by no later than January 1, 2005.
- Each engine using a diesel particulate filter must have a backpressure monitor installed with the new engine.
- Prime engines rated over 50 bhp require a permit for any new engine or addition of controls to an existing engine. An Authority to Construct permit must first be obtained before a new Prime engine or emission control is be installed.
- APCD permits are now required for E/S engines if engine's rated brake-horsepower exceeds 50 bhp. The APCD removed the old 200 hr/yr E/S engine exemption on March 17, 2005. An Authority to Construct permit must first be obtained before a new E/S engine or emission control is be installed.
- Starting January 1, 2005, each owner/operator of an E/S engine that is located within 500 feet of a school (k-12) is prohibited from any non-emergency use of the engine between 7:30 am and 3:30 pm on days when school is in session. If the E/S engine is located on school grounds, then the E/S engine is prohibited from any non-emergency use whenever there is a school sponsored activity.
- Facilities that have engines enrolled in an electric utility company Interruptible Service Contract (ISC) under a demand relief program have the requirement to submit a report to the APCD by January 31, 2005 (p. 39)

- By no later than July 1, 2005 (or 180 days prior to the earliest compliance date specified in Sections (f) and (g), each owner/operator shall identify and provide the APCD information as to how each engine will comply with the ATCM's requirements (p. 34).
- Prior to installation, each owner/operator of a new engine must submit an emission inventory report to the APCD (p. 32-33). The APCD has developed a form (Form -34R) that may be used to satisfy this requirement.
- Effective January 1, 2006, only CARB diesel may be used in the engine.
- For companies with 3 or fewer affected engines, the engines must be in compliance with the Table 2 and 4 requirements starting by January 1, 2006 for pre-1990 model year engines (and so on). Check the compliance schedules in Section (f).
- For companies with 4 or more affected engines, the engines must be in compliance with the Table 2 and 4 requirements starting by January 1, 2007 for pre-1990 model year engines (and so on). Check the compliance schedules in Section (f).
- Please make sure that you take the proper steps in planning your compliance strategies. Control equipment should be selected with an understanding of the design of your engine. You should also plan for long lead time to order and install control equipment.

PLEASE BE AWARE THAT THE ABOVE POINTS ARE PROVIDED AS A SUMMARY ONLY AND AS A CONVENIENCE TO OWNERS/OPERATORS OF AFFECTED ENGINES. THE ABOVE POINTS DO NOT ADDRESS EVERY REQUIREMENT.

IT IS EACH PERSONS RESPONSIBILITY TO BE IN COMPLAINT WITH THE STATEWIDE ATCM. PLEASE READ THE REGULATION TO MAKE SURE THAT YOU FULLY UNDERSTAND YOUR OBLIGATIONS TO COMPLY WITH THIS STATE REGULATION.