

Appendix B
Public Agency Survey

Public Agency Survey

Background

In an effort to better assess the use of portable diesel-fueled engines by local public agencies, ARB surveyed public agencies, requesting information on the use of the engines, characteristics of the engines (make and model, year of manufacture, and manufacturers rated horsepower), and annual hours of operation. The public agencies surveyed included city and county public works departments, city and county water suppliers, publicly owned treatment facilities, public landfills, universities and colleges, prisons, and other miscellaneous state and local agencies. The ARB staff mailed out over 1,000 surveys in the spring of 2002, and about 15 percent of the public agencies responded. A copy of the survey is attached to this Appendix.

Additional information on portable engines used by public agencies is available from engines registered by public agencies and from a separate survey administered by a consultant under contract with the ARB's Mobile Source Control Division. Information for these engines is included, as appropriate, as part of the survey results discussed below.

Overall, information for about 1,500 portable diesel-fueled engines operated by public agencies was gathered, representing an estimated 25 percent of the total engines used by public agencies.

Survey Results

The following summarizes the results of the survey:

- Portable engines used by public agencies are typically less than 150 horsepower—very few engines are larger than 500 horsepower;
- Most common applications are compressors, generators, water pumps, and wood chippers—representing 75 percent of the applications;
- Most of the pumps and generators, about 70 percent, are operated less than 50 hours per year and about half of the compressors are operated less than 50 hours per year. Overall, about 65 percent of the engines operated by public agencies operate less than 50 hours per year; and
- About 50 percent of the portable diesel-fueled engines used by cities and county public agencies are certified engines, and 25 percent of the portable diesel-fueled engines used by State and federal public agencies are certified engines.



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

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Gray Davis
Governor

March 27, 2002

Dear Sir or Madam:

The California Air Resources Board (ARB) is in the process of developing regulatory measures to reduce particulate matter emissions from diesel-fueled engines, in this case, portable engines. To support this effort, ARB staff is gathering information on the type and operation characteristics of portable diesel-fueled engines owned and operated by state/local governments or municipalities. Staff is also identifying candidate equipment for emissions testing purposes. The test results will be used to help evaluate the feasibility of emission controls for portable diesel-fueled engines.

Portable diesel-fueled engines are engines that perform work but do not remain in one location for more than 12 months. For example, portable diesel-fueled engines include portable electrical generators, pumps and compressors. Portable engines do not include engines that provide power to propel the equipment or vehicles from location to location.

If your agency owns or operates portable equipment powered by diesel-fired engines, we are requesting that you provide some basic information on the equipment, type of engine, and operation frequency.

We would appreciate you taking time to complete the survey on the backside of this letter. When completed, tri-fold and staple the letter, so that the ARB address shows up on the outside. Please return the completed survey by May 1, 2002.

If you have any questions, please contact Mr. Glen Villa of my staff at (916) 322-6456 or by e-mail at gvilla@arb.ca.gov. Thank you for your cooperation.

Sincerely,

Michael Tolstrup, Chief
Project Assessment Branch
Stationary Source Division

-----Fold Here -----

Place
Stamp
Here

California Air Resources Board
Stationary Source Division
Attn: Glen Villa
P.O. Box 2815
Sacramento, CA 95812

Survey of Portable Diesel-Fueled Engines Owned by State / Local Governments or Municipalities

1. List the application(s) of portable diesel-fueled engines at your facility. Application-Use of engine. I.e. pump, compressor, generator. Model Year (MY)-date of manufacture. Horsepower (HP)-manufacturers rated HP. Hrs/yr-How many hours did the engine operate 1/1/01 to 1/1/02? See example. (Please make additional copies if needed)

Application	<u>Pump</u>	Make/Model	<u>John Deere 4045DF150</u>	MY	<u>01</u>	HP	<u>106</u>	Hrs/yr	<u>1000</u>
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____
Application	_____	Make/Model	_____	MY	_____	HP	_____	Hrs/yr	_____

2. Who should we contact if we have additional questions regarding the survey?

Contact Name: _____

Facility Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

E-mail address: _____

Please add me to ARB's mailing list for diesel particulate matter regulatory development activities?

Yes No (Circle One)