



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# PUBLIC HEARING NOTICE

January 31, 2007

TO: INTERESTED PARTIES  
FROM: EXECUTIVE OFFICER / APCO  
SUBJECT: **PUBLIC WORKSHOP – PROPOSED AMENDMENTS  
TO REGULATION 9, RULE 8: NITROGEN OXIDES  
AND CARBON MONOXIDE FROM STATIONARY  
INTERNAL COMBUSTION ENGINES**

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The staff of the Bay Area Air Quality Management District (District) will conduct a public workshop to present, discuss, and receive comments on the proposed changes to Regulation 9, Rule 8: Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (Rule 9-8). The workshop will be held from **1:30 to 3:30 PM, on March 1, 2007** in the 7<sup>th</sup> Floor Board of Directors meeting room at the District office located at 939 Ellis Street, San Francisco.

## BACKGROUND

The District is considering amendments to Rule 9-8 to reduce oxides of nitrogen (NO<sub>x</sub>) and secondary particulate matter (PM) emissions from stationary internal combustion (IC) engines. This action is prompted in part by Senate Bill 656 that requires local air districts to develop and adopt a list of control measures to make progress toward attainment of the State and federal PM standards. This proposal, which is based on the most stringent standards in the State, would:

1. Expand the scope of the rule to regulate NO<sub>x</sub> emissions from stationary IC engines in the range of 50 to 250 brake horse power (bhp);
2. Regulate NO<sub>x</sub> emissions from liquid-fueled engines such as diesel-fired engines; and
3. Reduce the emissions limits for NO<sub>x</sub> for all affected stationary IC engines.

The technical information that supports the proposal is presented in a Workshop Report. This report includes an initial assessment of the population of stationary IC engines in the District, the inventories of NO<sub>x</sub> and PM emissions attributable to these engines, the technologies available to reduce NO<sub>x</sub> emissions, a discussion of the various rules and regulations that are applicable to stationary IC engines in California, a summary of the proposed amendments, and the expected emissions reductions and costs associated with the proposal.

Currently, Rule 9-8 regulates emissions of NOx and CO from stationary IC engines of 250 bhp or greater powered by gaseous fuels such as natural gas or LPG. The rule, however, does not include emissions limits for liquid-fueled engines, such as diesel engines, or engines below 250 bhp.

**PROPOSED REGULATORY AMENDMENTS**

The following table provides a summary of the NOx emission limits and compliance schedule that the District is currently considering for incorporation into Rule 9-8.

**Summary of Proposed NOx Emission Limits for Existing IC Engines 50 bhp or Greater**

<b>Engine Type and Fuel</b>	<b>Emission Limits (g/bhp-hr)</b>	<b>Compliance Dates</b>
Compression-Ignited (All Engines)	0.50 - 2.6	2011 - 2012
Compression-Ignited (Alt. limits for 1996 or later*)	0.30 - 0.50	2016
Spark-Ignited Gaseous & Liquid	0.36 (rich) 1.0 (lean)	2011
Spark-Ignited Waste Gas	0.70 (rich) 1.0 (lean)	2011

\* Alternative compliance option only for diesel engines of model year 1996 or later.

In addition, new diesel-powered engines (model year 2008 and later) must be certified to meet the NOx and CO emissions levels presented in the EPA Tiered Emissions Standards for Compression Ignited Engines.

For copies of the Workshop Report or the proposed amendments to Regulation 9, Rule 9 that the District is considering, see our website at <http://www.baaqmd.gov/pln/ruledev/workshops.htm>. For questions or comments on the regulatory proposal, please contact Victor Douglas at (415) 749-4752 or [vdouglas@baaqmd.gov](mailto:vdouglas@baaqmd.gov). Interested parties are invited to submit comments on the Workshop Report or the proposed amendments to Rule 9-8. The deadline for comments is March 9, 2007.

<p><b>PUBLIC TRANSPORTATION</b>  <b>MUNI -- #47 AND 49 NORTH AND SOUTH ON VAN NESS AVENUE</b>  <b>#38 EAST AND WEST ON GEARY BOULEVARD/O'FARRELL STREET</b>  <b>BART -- CIVIC CENTER STATION 8<sup>TH</sup> AND MARKET STREETS</b>  Attendees are encouraged to ride public transit, rideshare, bicycle, walk or use other non-motorized modes to and from the District.</p>
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