



South Coast Air Quality Management District

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Off-road Emission Reduction Technology Forum and Roundtable Discussion

Tuesday, May 1, 2007 -- 9 a.m. to 4 p.m.
South Coast Air Quality Management District
Headquarters Auditorium
21865 Copley Drive
Diamond Bar, CA 91765

Compactors, dozers, excavators, scrappers, and other types of construction equipment are major sources of nitrogen oxides (NO_x) and particulate matter (PM) emissions in the South Coast Air Basin. The majority of diesel engines in these applications operate for more than 8 years before being rebuilt. As such, the emissions from construction equipment can have significant, long-lasting effects on air quality. The local, state and federal government are (1) promulgating technology-forcing requirements for reducing PM and NO_x emissions from existing off-road construction engines and (2) creating incentive programs to provide part of the funds needed by affected fleet owners to comply with these requirements. Selective catalytic reduction (SCR) systems and diesel particulate filter (DPF) technologies have been used successfully in Europe to reduce NO_x and PM emissions from on-road sources by at least 70 and 85 percent, respectively. Recent studies show that SCR with DPF is also capable of reducing emissions from off-road construction equipment with some manufacturers planning to verify their technologies with CARB in the next few months.

AQMD is pleased to host this one-day technology forum and roundtable discussion on SCR and DPF technologies as a strategy for controlling NO_x and PM emissions from construction equipment. The morning sessions will consist of formal presentations by a panel of government staff, technology and engine manufacturers, and experts on SCR and DPF technologies. Topics will include AQMD's perspective, CARB's proposed regulation, retrofit verification, and showcase program, and the status of technology advancement, costs, and challenges of SCR/DPF technologies. In the afternoon, there will be a roundtable discussion among the panelists to facilitate exchange of views and solicit suggestions for future actions. The roundtable will be moderated by **Dr. Timothy Johnson**, Director of Emerging Technology, Corning Environmental Technology. Members of the public will also be able to ask questions of the Technology Forum/Roundtable participants. A technical summary of the panel discussion will be prepared and made available on the AQMD website.

The AQMD encourages anyone interested in this topic to attend this forum free of charge. This forum will also be webcast live, and copies of the agenda, presentations, and the webcast will be posted on the AQMD's Technology Forum/Roundtable website at <http://www.aqmd.gov/tao/ConferencesWorkshops/techforum.htm>.

If you have any questions about this forum, contact Mr. Adewale Oshinuga by phone at (909) 396-2599 or by e-mail at aoshinuga@aqmd.gov.

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