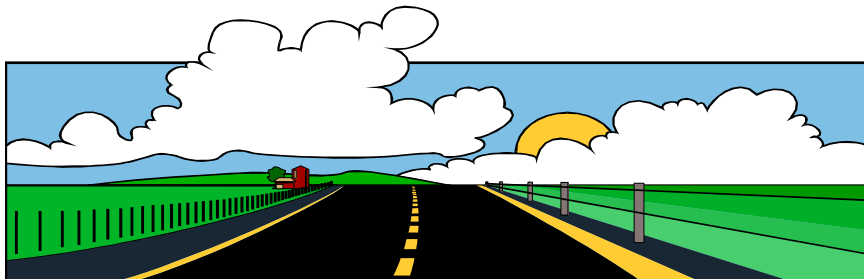


Clean Technologies Forum



August 2005

ON-BOARD DIAGNOSTICS FOR BIG RIGS

On July 21, 2005 the **California Air Resources Board** (CARB) adopted a regulation that will require engine manufacturers to install on-board diagnostic systems (OBD) on heavy duty engines (> 14,000 GVWR) beginning in 2010. This requirement is much more comprehensive than the 2004 requirement to install engine manufacture diagnostic systems.

OBD is a system of sensors that monitor different engine parts that can leak emissions when they age or break down. The vehicle operator is alerted by a dashboard indicator that part of the pollution control system is failing. An access port under the dash allows a mechanic with a handheld computer to obtain detailed information about the vehicle's performance and the specific equipment failing. Repairs can be quickly diagnosed, cutting repair costs to vehicle owners.

CARB anticipates this regulation will reduce nitrogen oxide emissions from on-road heavy-duty trucks and buses by nearly 110 tons per day by 2020.

For more information visit these websites:
www.arb.ca.gov/regact/hdobjd05/hdobjd05.htm
www.arb.ca.gov/msprog/objdprog/hdobjdreg.htm



Reference: CARB press release 7/21/05 and website.

HEAVY-DUTY HYBRID TECHNOLOGY RECOGNIZED & SHOWCASED LOCALLY

In April 2005 the U.S. EPA recognized the partnership between **Environmental Defense**, **FedEx Express** and **Eaton Corporation** as part of its Clean Air Excellence Awards Program. The results of the partnership make progress towards clean air by demonstrating the commercial viability of diesel-electric hybrid truck technology. FedEx has put into service over 18 hybrid delivery trucks which emit 65% less nitrogen oxides, 96% less particulate, and 37% less greenhouse gases, while providing a fuel economy gain of 57% when compared to its standard delivery truck.

Reference: www.epa.gov/air/caaac/004awar.html.

The Sacramento Metropolitan Air Quality Management District is proud to have been a partner in providing funding for FedEx to demonstrate two of the diesel-electric hybrid trucks right here in the Sacramento region.

DON'T MISS YOUR CHANCE TO SEE THIS TECHNOLOGY!

The **Greater Sacramento Clean Cities Coalition** and the **Sacramento Metropolitan Air Quality Management District** are holding a Clean Technologies Forum highlighting heavy-duty hybrid technology on **September 22, 2005** from 11 a.m. to 2 p.m. at KVIE Channel 6, 2595 Capitol Oaks Drive in Sacramento. Hybrid technology providers and users will provide information on their experiences.

RSVP by September 16th

with your name, affiliation, phone # and e-mail address to Karen Huss at 916-874-4881 or khuss@airquality.org.

ACTIVITY LEVELS FOR KIDS ON BAD AIR DAYS

The **American Lung Association of Sacramento-Emigrant Trails** (ALA) launched a new chart providing guidelines to parents, schools, coaches and others on appropriate and healthy activity levels for children on days when air quality is poor. The chart is an easy to use guide that ties recommended activity levels for recess, P.E., athletic practice and training, and scheduled sporting events to air quality using the air quality index.

A coalition of local agencies developed the guidelines, including **ALA, Sacramento Metropolitan Air Quality Management District, Sacramento County Department of Health, regional air districts, county health officers, volunteer scientists, and school nurses.**

To obtain a copy of the chart, visit www.saclung.org, call 916-444-5864, or e-mail Jenna at jschwan@saclung.org.

Reference: www.saclung.org press release 7/20/05.



Sacramento Metropolitan Air Quality Management District
Mobile Source Division
777 12th Street, Third Floor
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ON-ROAD DIESEL RETROFIT VERIFICATIONS

The **California Air Resources Board** (CARB) recently verified **International Truck & Engine Corporation's DPX Catalyzed Soot Filter System** for 1994-2003 model year Navistar diesel engines used in on-road applications and operating on ultra low sulfur diesel. This catalyzed diesel particulate system achieves an 85% reduction in particulate matter emissions making it a level 3 device.



CARB also extended the verification of **Lubrizol Engine Control System's Purifier and AZ Purimuffler** to include certain model year 1973 to 1993, two-stroke, Detroit Diesel Corporation diesel engines used in on-road applications and operating on CARB #2 diesel or ultra low sulfur diesel. This oxidation catalyst system achieves a 25% reduction in particulate matter emissions making it a level 1 device.

Specific engine families and conditions for the above verifications can be found at the following website:
www.arb.ca.gov/diesel/verdev/verdev.htm.

Reference: CARB website.

The Clean Technologies Forum is brought to you by:



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Sacramento Regional Clean Cities Coalition

THE CLEANER AIR PARTNERSHIP

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