

# **NON-ROAD SUBCOMMITTEE CALL**

Wednesday, December 19, 2007 – 9:30-10:30 am Central Time

Call-In #: (866) 299-3188

Conf. Code #: 9135517039

## Agenda

- Intro / Roll Call
- Diesel Construction Equipment Database and NOx Control Technology Evaluation
- Emissions Technologies – Verification
- Updates/Other/Next Call

## **MEETING NOTES**

Thank you everyone for being on the call. I hope it was informational and beneficial for each of you. Feel free to contact me if you have ideas to improve the call or would like to visit about a specific topic.

1) **Roll Call** - if you joined after the call started let me know

### Attendees:

- Andy Vigna (Ziegler CAT)
- Karla Hardison (TX CEQ)
- Elizabeth Sartain (ADEQ)
- Elizabeth Neubauer (ADEQ)
- Amy Scott (IA DNR)
- James Joerke (MARC)
- Elena Craft (Env. Defense)
- Ramon Alvarez (Env. Defense)
- Leo Holm (MN AGC)
- Larry Tatarowicz (Eng. Control Sys.)
- Roger Peach (NA Equip. Dealers)
- Virginia Porta (AR DOT)
- Kathleen Waters (KS DHE)
- Matt McDonald (Emissions Technology)
- Chris Wilson (Emisstar)
- Rick Baker (ERG)
- Wayne Graf (MO DNR)
- Christine Smith (Houston GAC)
- Ed Woods (CAT)
- Kathryn Burke (CenSARA)
- Alan Banwart, (EPA R7)

2) **Diesel Construction Equipment Database** - Rick Baker of ERG

- rick.baker@erg.com or 512 407-1823
- Attachments from the presentation were on the original email – please request them from me if you did not get them
- Rick primarily went through the first 10 slides of the ppt. and the comments I'm recording below correspond with the ppt. presentation

- This study was focused on constructing a database for typical, 50 hp or greater, non-road diesel construction equipment and the possible options that could be used to get NOx emission reductions
- Assumptions were made that what was sold in the area was staying in the area, and that EPA's scrap rates on equipment were correct
- The study had 17 different detailed NOx reduction options of traps and catalysts on 44 different, but common, types of equipment – lots of variability
- This study could be a good template for another group to run different scenarios on their fleet – fleet managers, contractors, cities, etc... – 1 or 2 days of work to set up new database
- They are merging their database w/ EPA's Engine Cert. Database
- Rick talked about slide 49 - emissions calculator for regulatory and programmatic and slide 50 - equipment data look-up for retrofit system vendors
- Access will be available to the database when the final is approved
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### 3) Emission Technologies – Matt McDonald

- matt@emissionstech.com or 314-280-9713
- Attachments from the presentation were on the original email – please request them from me if you did not get them
- This technology reduces PM up front and reduces NOx out the back – KEY... it has a more complete burn – help get Tier 1 to Tier 4 w/out the huge cost
- The injected catalyst is basically antifreeze w/ a little bit of platinum – this is a non-hazardous substance according to its MSGS
- Less wear-n-tear, less carbon build-up, less fuel consumption – 5% to 25%
- Tested by Olson Labs and SW Regional Labs
- Should be EPA registered w/in 60 days and then onto verification – on a EPA program to have this completed in 6 months
- Part of a Showcase Program that CARB is running as well as Houston
- 400-500 units in the Midwest including construction companies like Fred Weber, Dave Kolb, etc...
- Cost is \$1000-1150/unit w/ a simple 2 hour installation and each bottle is \$300/piece – with \$3.00 fuel it is an approximate \$2.80/hour savings
- Leo from MN AGC expressed interest in informational workshops on technologies, etc...
  - It was suggested that the Clean Cities program might be something to look into

### 4) Updates

- LEED Certification – the LEED criteria system is being updated. The new version is expected in early 2008. There will hopefully be some clean construction points involved.
- Two NCDC videos – The video for the state and local municipalities **is available** at [www.northeastdiesel.org](http://www.northeastdiesel.org) and one for contractors is coming later. The

municipalities' video is focusing on NY's MTA project. The contractor video is focused on TX and Chicago footage and will optimistically be ready sometime this fall.

- EPA Regions (including 7) are considering putting "points" into Superfund clean-up contract proposals

4) **Other**

- Next month – discuss technologies, reflash issues, the EPA Non-Road / In-Use study, etc...
- **Please pass the word to possible interested groups, businesses, and associations**
- **If you haven't filled out the application to become a Blue Skyways "Partner" please consider doing so**
- If you have any questions or comments please let me, Alan Banwart, know or if you have a request for any materials regarding Blue Skyways

**\*\*\* Non-Road Meetings will be held on the 4<sup>th</sup> Wednesday of every other month from 9:30 to 10:30 am. The next meeting will be held on February 27, 2008. The call-in number will be (866) 299-3188 and the code will be 9135517039 unless otherwise noticed.**

**THANK YOU!!!**