

Clean Air Act Advisory Committee
Permits/New Source Review/Air Toxics Subcommittee
Utility MACT Working Group
Summary of Working Group Meeting 12/18/01

The third meeting of the working group established under the Clean Air Act Advisory Committee's (CAAAC) Permits/New Source Review/Air Toxics Subcommittee was held on December 18, 2001 at the STAPPA/ALAPCO Headquarters in Washington, D.C. The focus of the meeting was to continue the discussion on the adequacy of the data and to hear reports back from three "mini" work groups that had been established subsequent to the November 5 meeting. The three "mini" groups were to address: (1) ranking of the emission data set; (2) the coal data; and (3) the data for oil-fired units.

Action items resulting from the three discussions are noted below and reflect the general trend of the discussion:

Ranking of the data set (Felice Stadler/Pat Raher/Praveen Amar):

- S The representativeness of the data set with respect to the over-all population of coal-fired utility boilers needs to be addressed through statistical analyses to determine whether some "balancing" or "weighting" of the data should be performed.
- S As one measure of the variability of the data, the three individual runs need to be evaluated in addition to analyzing the average of the three runs.
- S The impact of the stack temperature needs to be analyzed to the extent possible.
- S The data need to be analyzed on a percent removal basis as well as on an output basis (e.g., pounds mercury emitted per megawatt hour electricity produced) taking into account the various ways units may meter their electricity and the impact of co-generating steam and electricity.

Coal data (Lee Zeugin/Martha Keating):

- S The chlorine content of the coal needs to be evaluated for impact on the mercury levels emitted.
- S The impact of blending coal types needs to be evaluated.
- S The distribution of the mercury in the coal on a monthly or seasonal basis needs to be analyzed.

Oil-fired data (Bill Bumpers/Michael Shore/David Schanbacher):

- S Information is needed on:
 - C the number, size, and location of current oil-fired units;
 - C the current types of controls used on such units;
 - C how many units are capable of dual-fuel firing;

- c the capacity factors on each fuel;
- c how many, and what type of, permit restrictions are in-place that limit use of different fuels;
- c the impact of additives (e.g., magnesium) on nickel emissions;
- c the impact of the use of electrostatic precipitators (ESP) on nickel emissions (including species); and
- c how many oil-fired units are involved in co-generation.

Each existing “mini” group agreed to continue work on the respective topic with input provided by EPA. This procedure was agreed to by the Working Group as a whole.

There was also a discussion on the status of the work on non-mercury HAP data for coal-fired units. The EPA agreed to provide an electronic data set by the next meeting. A “mini” group consisting of Tom Natan and Larry Monroe agreed to look at the existing TRI data for any applicability. The Working Group was asked to consider the question of addressing non-mercury HAP for discussion at the next meeting. Specifically, the Working Group should consider whether the charge should be limited to mercury/nickel or whether it should be expanded to include all HAP.

Another “mini” work group was established to begin looking at the issue of subcategories and floors. This group consists of Mike Geers (lead), Bill Bumpers, Sandra Schubert, and David Schanbacher. Other Working Group members were also invited to participate.

The next meeting of the working group was scheduled for February 5, 2002, at the STAPPA/ALAPCO offices in Washington, D.C.

Attached to this summary is a copy of the agenda for the December 18 meeting. Separate postings of the presentation slides are also available.

**CLEAN AIR ACT ADVISORY COMMITTEE
PERMITS/NEW SOURCE REVIEW/AIR TOXICS SUBCOMMITTEE
UTILITY MACT WORKING GROUP**

December 18, 2001

**STAPPA/ALAPCO Headquarters
The Hall of States Building, Room 383-385
444 North Capitol Street, N.W.
Washington, D.C. 20001**

AGENDA

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|-------------------------|---|
| 10:30 a.m. - 10:45 a.m. | Introductions and opening remarks by Sally Shaver and John Paul, Co-chairs |
| 10:45 a.m. - 11:15 a.m. | Presentation on the ranking of the emission data sets |
| 11:15 a.m. - 12:00 p.m. | Open discussion by the Working Group |
| 12:00 p.m. - 1:00 p.m. | Lunch |
| 1:00 p.m. - 1:20 p.m. | Presentation on the coal analyses data |
| 1:20 p.m. - 2:00 p.m. | Open discussion by the Working Group |
| 2:00 p.m. - 2:20 p.m. | Presentation on the oil-fired data |
| 2:20 p.m. - 3:00 p.m. | Open discussion by the Working Group |
| 3:00 p.m. - 3:45 p.m. | Follow-up open discussion by the Working Group on above topics, as necessary |
| 3:45 p.m. - 4:15 p.m. | Progress report and open discussion by Working Group on analyses of non-mercury coal HAP data |
| 4:15 p.m. - 4:30 p.m. | Review of action items and discussion of next steps |
| 4:30 p.m. | Adjourn |