

**Meeting Minutes
Environmental Effects Subcommittee**

Oct 20, 2003

Election of new chair: There was discussion suggesting establishing co-chairs for 1 year. However as there is a need to a clear contact person for the subcommittee, Pam Padgett was elected as chair. John Sherwell will act as secretary. There is no vice chair.

Old Business:

Isotope network – Discussion: establishing a users’ network to determine what kind of samples are needed by the researchers. Recommendation for urging these users to increase participation in annual meetings was brought up.

No actions recommended

Deposition “Air Quality Related Values” (AQRV) - Discussion: How can NADP further the application and use of AQRVs and how can land managers that would like to use AQRVs better use NADP.

Action: Pam Padgett will explore the feasibility of a data-mining project to collect data and information about changes in biological activity that can be linked to NADP collection sites.

Moving towards reporting total N-deposition

Wet and dry, multispecies point measurements to spatial allocation

Total N (organic?) - Discussion: The status of organic N in rain is still quite unclear. Is it important or not?

NH₃ passive samplers - Discussion: several different evaluation tests are underway, we need to just wait and see how they work out.

Connecting deposition to sources - No discussion

Action: Total deposition will be a major topic at the 2004 fall meeting. The recommendations range from a special workshop similar to the ammonia workshop to at least 1 session of talks. Gary Lear, Pam Padgett, John Stillwell will work together to come up with a plan for discussion at the spring meeting.

Mercury

Developing isopleth maps. - Discussion: Clyde present an example of the Hg maps. The group agreed that it was too early to make the maps public, but applauded the effort.

Network design – gap analysis/range of influence - Discussion: mostly philosophical comments about ideal locations vs. operator’s needs.

Dry deposition - Discussion: John Stillwell described the use or development of passive Hg monitoring systems.

Actions: John Stillwell will provide more information for the spring meeting about dry deposition monitoring.

Plant and/or animal disease agents in precipitation - Discussion: can weekly or even archived rain samples provide information on spread of human infectious agents or movement of new or exotic disease of threat to ag and forestry.

Action: Dick Cline will look into possibility of Forest Service funding for a pilot project for disease spread e.g. Sudden Oak Death.

Ozone passive samplers. No discussion

Host a workshop on long-term monitoring programs - Discussion: Chem society already had one planned for their annual fall meeting in NYC. Van Bowersox had planned on attending.

Action: Report from Van (if he attended)

P – can/should we do better? - Discussion: the new ICP will allow determination of orthophosphate.

Action: Discuss with Karen Harlin the feasibility or utility of collecting and reporting orthophosphate data.

Brochures/data products

Produce a “Mercury in the Nation’s Rain” product - *Discussion:* What level to pitch the brochure? Clearly the objective is different than the nitrogen brochure since so much less is known about Hg.

Other products – revisit nitrogen in the Nation’s rain – Discussion: Tabled
Action: Clyde Sweet will work with Bob Brunette and David Gay to present a draft outline (probably straw man) for a mercury publication aimed at the “informed public” with the intent of highlighting how little is known about the environmental activity of Hg and therefore why monitoring is important.

New Business

Web forum for data producers and users - Discussion: the cost and time requirements seemed prohibitive for a true web forum. But a list server that would enable users to contact one another and provide a site for exchange of information seemed reasonable. Discussion of using a web crawler approach for information scavenging of data was discussed.

Action: Discuss this project with Bob Larson and the rest of the ad hoc workgroup of John Sherwell and Rick Artz.

Develop NADP related outreach materials geared towards regional organizations - Discussion: Which groups could use this info and how best to format data and information for regional assessments. The example presented was a slide show pulled together by Cari Furiness.

Action: Investigate the use of CD technology for regional distribution (no one assigned).