National Atmospheric Depostion Program
Spring 2003 NADP Business Meeting
New Orleans, LA

Data Management and Analysis Subcommittee
Minutes

Tuesday, March 25, 2003

Overview

Motion by Luther Smith: Approve minutes from Fall 2002 meeting as written.
Seconded by C. Ro.
Motion carried.

Data Products

- Animated Maps
    - Animated maps available on web: http://nadp.sws.uiuc.edu/amaps/
    - Luther Smith suggests that a header be added explaining 3-yr average.
    - Currently maps for NO3, SO4, and NH4.
    - pH next highest priority.
- Site Classifications
    - Redone analysis with 2000 census data and 1999 emissions data.
    - Changed name to Site Classification and Characterization
    - **See Attachement 1.**
- Hg
    - MDN – double data entry underway at the HAL.
    - New database partitioned into data entry, data validation, and final data.
    - New database used by HAL for Q4 2002 data.
    - Methyl Hg not included.
- HYSPLIT
    - Back on the NADP web page after absence following 9/11 (NOAA requested that it be removed).
    - Using our own mapping routine.
    - Increase elevation to 6000 meters.
- Site Selection Maps
    - Site selection maps are now dynamic.
    - Work is underway on enhanced interface (including drag box).
- MDN Sites
- Isopleth Grids

Data Review Topics

- Check accuracy of a random selection of samples.
- Make data review more like previous lab reviews.
- Data validation scheme:
    - Appropriate?
    - Being followed?
- Double data entry.
- **See attachment 2.**

- Luther Smith asked how code would be reviewed with respect to the ability to maintain it over time. Specifically, how can it be done quickly?

- Other items to cover:
    - Adequate staffing?
    - Training available?

- Bob Larson suggests web discussion.

NAtChem Data Exchange Standard

- Presentation by C. Ro.
- **See attachment 3.**

DQO

- Presentation by Chris Lehmann (**see attachment 4**).
- Compare variance in natural vs. collocated.
- Use standard deviation?
- Use interquartile range?
- EPA has said NADP needs to incorporate trends into DQO.
- Informal committee established to work with Chris and Greg Wetherbee on DQO and performance indicators.

Motion by Chris Lehmann: Establish ad hoc committee to set acceptable DQO.
Ammended: Chris L. and Greg seek additional input and report back at Fall meeting on DQO and PAC.
Seconded by Luther Smith.
Motion carried.

Watershed Deposition

- HUC2 vs. HUC4?
- Need to include disclaimer.
- Luther Smith advises to ignore uncertainty.
- Luther suggests using grid of concentration values and then calculating deposition with NWS precipitation.
- C. Ro says they use Kriging which gives error estimate.

Motion by Chris Rogers: Bob Larson will calculate deposition using NWS precipitation and NADP precipitation. He will conduct a comparison of the values and will report back at the Fall 2003 Meeting.
Seconded by Luther Smith.
Motion carried.

Significant Digits

Discussion postponed until Fall 2003 meeting.