

National Atmospheric Deposition Program  
Fall 2003 NADP Business Meeting  
Hilton Washington  
Washington, D.C.

Data Management and Analysis Subcommittee  
Minutes

Monday, October 20, 2003

## Overview

**Motion by Gary Stensland:** Approve minutes from Spring 2003 meeting as written.

Seconded by Gary Lear.

Motion carried.

## Watershed Deposition

*See Attachment 1*

- Suggestion from Spring meeting: use NWS precip data (or other source) for wet deposition maps
- Potential bias from using NWS sites – underestimate deposition at higher elevation sites
- Lat/Lon of NOAA data only to nearest minute (location needs to be more precise)
- G. Stensland used NCDC data to do deposition for climate division
- Recommendation: Invite climate/rainfall experts at 2003 Technical Session.

**Motion by Gary Stensland:** PO should explore other precipitation sources such as the NWS coop network for spatial interpolation of precipitation.

Seconded by Jim Lynch.

Motion carried.

## MDN Deposition Maps

*See Attachment 2*

- Good coverage in Eastern US.
- Require site density for grid value (2 or 3 sites required for grid cell to have valid value)?
- 500 km radius around site used for maps shown.

**Motion by Gary Lear:** PO will continue to develop MDN isopleth maps by experimenting with requirements for the minimum number of sites for a valid cell value, with the radius of influence, etc. with new results to be shown at the Spring meeting.

Seconded by Chris Rogers.

Motion carried.

## Deposition Animation

- How do we make users aware of the role of precip?
- Used same 150 sites common to all years.

## Lost Site of 2002

*See Attachment 3*

- Death Valley, CA site met completion criteria but had such a strong influence on graphed that Exec committee decided to remove it.

**Motion by Gary Lear:** NADP should no longer exclude sites from the isopleth maps because they create a “bullseye”. The PO should advanced methods of spatial interpolation to avoid these such as kriging or changing the radius of influence.

Seconded by Gary Stensland.

Motion carried.

## MDN Data Audit

- Review and act upon HAL response.
- Greg Wetherbee nominated to put together response close-out.
- Review team will evaluate HAL response and work with Greg.
- Greg will present a summary at the Spring meeting.

## MDL/MRL

*See Attachment 4*

- Approved at Spring meeting to establish MDL each year.
- DMAS tasked to come up with MRL.
- Chul-Un Ro commented that NatChem using 2/3 instead of half the MDL in summary statistics.

**Motion by Gary Lear:** Include table on web site showing historical detection limits. Also add to FAQ.

Seconded by Gary Stensland.

Motion carried.

## Alternate Rainfall Measurements

**Motion by Gary Lear:** Add documentation on web page explaining that alternate rain gage data are sometimes used.

Seconded by Gary Stensland.

Motion carried.

## USGS Field Chemistry QA Data

Tabled until Spring Meeting.

## Election of DMAS Secretary

Bob Larson elected DMAS secretary.