

Joint Subcommittee Meeting Minutes
April 28-29, 2009
Pensacola, FL

Tuesday, April 28, 2009

Matt Layden called the meeting to order at 8:30 AM.

Introductions were made around the room.

***Motion* by Greg Wetherbee to have the minutes from the NADP Fall Symposium in Madison, WI approved**
***Seconded* by John Sherwell**
Motion PASSED

Program Office Report - David Gay, Program Coordinator

Program office budget looks good

- Funding agreement reached with SAES for FY 2010-2014
- Income from new sites slow, but steady

Data completion seriously delayed

- due to problems with the 94+ electronic raingages now operating in the network
- problems are being corrected and progress is steady

Mercury Deposition Network

- Operating 114 sites
- 10 new sites
- 4 have been lost
- Total MDN growth = 8.8 sites/year

CAL/NTN

- Maybe 8 new NTN sites going online

Illinois State Water Survey

- Moved to the Univ of Illinois
- Now under the Institute of Natural Resources Sustainability
- The new Director is Mike Demissie
 - o Mike is a hydrologist

Review of the NADP Training Session held April 26-27 here in Pensacola, FL

- 23 students *plus* observers
- Appears to be a significant cost savings of nearly 1/3 original cost of operating training at the HAL/CAL
- Need to review and evaluate the effectiveness of the training for future development

New website

- A new hire is a programmer
 - o Has greatly benefited the website development
- More to come later

Winter Review

- Many sites experienced problems/trouble especially in December
- Many records were set with snowfall and low temperatures

Ammonia network

- 22 sites currently operating in this Initiative
- Data from these sites is now available on the web

Mercury network

- 22 sites currently operating in this Initiative
- SOP's are nearing completion
- Data is available online through password access
- 15 years of combined data available

Equipment/QA

- Linear actuator drive collector field testing planned
- Network may need to consider covers for NTN collector arm pivot points to prevent freezing and damage to motorboxes

Asian Soybean Rust project

- Will continue through 2009

CAL Report, Chris Lehman

Nitrogen Measurements

- Flow Injection Analysis review
 - o SOP is now available on the CAL website
 - o Analysis will continue through 2008 archived samples
- Findings indicate dissolved organic nitrogen in samples from Jan-Mar
- Samples also show most of the dissolved organic nitrogen is occurring in the Southern States

NTN Site status

- 112 sites are operating with the new 6-N-1 supply routine

Future of the CALendar?

- There was much discussion of this subject
- **David Gay Moved to discuss the CALendar issue in EROS**
 - o **Greg Wetherbee Seconded**
 - o **NO vote taken**

Archived samples

- Chris indicated that the CAL needs to make room for new samples in the archive storage freezers and that 2001 samples must be removed
- Looking for researchers interested in taking the samples for analysis

Brief review of:

- Lab changes
- QA Report Summary
- Publications

HAL Report, Gerard van der Jagt

Network collectors status

- 94 ACM units operating in the network
- 15 motorboxes were replaced in 2008
 - o 16% of the network for 2008
 - o 25% were replaced in 2007
- 19 sensors were replaced in 2008
- 1 load sensor was replaced in one of the new digital raingages

HAL 2006 audit

- HAL database users manual
 - o Moving from Access to SQL
- Modernizing MMHg data capture

Samples collected for 2008 = 6523

- 44% of the samples received an "A" rating

Data delivery update

- On schedule

Other issues reviewed:

- Trace metals validation
- Passive Hg Sampling

QA Report, Mark Rhodes

Criterion 4 Report now available on the website

Status of the QAR's, QAP's, and Reviews

- 2009 HAL Lab Review
 - o Mark is putting together a team
- 2008 CAL Review
 - o Response received on 4/24/2009
- PO Review

- Possibly set for 2010
- Web posting of SOP's
 - CAL document server

Status of the site surveys was reviewed

New Initiatives

- Do we need an Ad Hoc Committee for guiding new initiatives?
- Mark mentioned that several reviewers of the New Initiatives document questioned whether an Ad Hoc Committee was needed, and if so, what the role of that committee would be, and who (e.g., NOS, DMAS, EROS, the labs, etc) should be represented on that committee
- A consensus was reached that an Ad Hoc Committee is needed with each new initiative.
- The number of representatives was discussed, but there was no decision at this time
- **Cari Furiness moved to have the BAC represented**
- **Pam Padgett seconded**
 - **NO Vote was taken**
- A consensus was reached to make sure that all groups were represented
- Gary Lear and Greg Wetherbee suggested that Mark formulate a specific recommendation for membership to the Ad Hoc Committee for new initiatives, and present that recommendation at the Joint Subcommittee meeting on Wed. Discussion was tabled until that time.

Site selection and Installation Manual

- There has been good feedback
- Includes rules and guidelines

The use of sulfate for scoring NTN samples was discussed

- A statistics class from the Univ of Ill is exploring the data
- Updates to come

Special Studies were discussed

- Deep bucket
 - Mark proposed to remove the deep bucket from use in the NADP
 - **Greg Wetherbee moved**
 - **Matt Layden seconded**
 - **Motion PASSED**
- YES collector
 - Do we discontinue YES operations and testing?
 - YES representative voiced concerns and suggested more testing
 - Collector has not performed satisfactorily during NADP and USGS testing and concerns remain as to future testing and consideration
- Linear actuator
 - Received good/positive feedback from testing
 - Issues remain including the motor and the cost

- 7 vs 11 grid sensor
- Thies sensor
 - o Motion to accept Thies sensor for network operations
 - o **Greg Wetherbee *moved to vote***
 - o **Gary Lear *seconded***
 - o ***Motion PASSED to accept the Thies sensor for use in NADP networks***

CAL Review and Response, Mark Rhodes and Chris Lehman

- There were 19 findings within the 30 page report
- A 6 page response was issued by the CAL
 - o The response focused on the CAL having to “do more with less” these days
 - o Maggie Kerchner raised concerns about the program with a diminished staff

Resin Column Update, Tracy Dombeck

Concerns were raised with the stabilization of sulfate ions in refrigerated samples

- Experimented with re-diluting samples
- More troubleshooting is needed

Working to resolve analytical differences as well

Ammonia Monitoring Network Update, Melissa Rury

Currently 22 sites operating in the network using the 3 Radiello system

Inter-comparison of 3 types of samplers results:

- Ogawa uncertainty very high and is no longer being considered
- Radiello has slight negative bias
- Only Radiello and Alpha’s are being considered at this point

New NADP NH₃ website page includes:

- SOP’s
- Data Downloads

Funding continues through October, 2009

New sites are needed to increase revenue and long-term sustainability of network

Intention to apply for permanent status as the AMoN network at the Fall NADP meeting

USGS Field Audit Data Review, Greg Wetherbee

Greg discussed his review of the spatial variability in % precipitation

- He will be posting results/differences on the website

Subcommittee and Work Group Agenda Review

Data Management and Analysis Subcommittee – Tom Bergerhouse

DMAS will discuss:

- the sensitivity of sensors
- Methylmercury updates
- Management and reporting status
- Uniform data management scheme

Ecological Response and Outreach Subcommittee – Andrew Johnson

EROS (meeting jointly with CLAD) will discuss:

- Outreach efforts
- Website update issues
- Data access summary
- Funding for site operators

Network Operations Subcommittee – Matt Layden

NOS will discuss:

- Aerochem vs N-Con collectors
 - o Co-location report
- NED Report
- Equipment issues
- New equipment and siting criteria
- USGS QA report
- Soybean Rust
- EMS Survey Report

Critical Loads Work Group – Tamara Blett

CLAD will discuss:

- Reports from research on critical loads
- Education and outreach
 - o Past products
 - o New products for Fall mtg

- Critical loads comparisons
 - o European / US, for consistency
- Scientific review of the influence of diatoms on critical loads

Announcement of Field Trip Tuesday evening to Eric Edgerton’s Monitoring Site west of Pensacola – Eric Prestbo

Wednesday, April 29, 2009

QA Report – Mark Rhodes

***Motion by Mark Rhodes to approve the AD Hoc Committee for New Initiatives
Seconded by Greg Wetherbee
PASSED unanimously***

Criterion 4 Issue – Mark Rhodes and Greg Wetherbee

Much discussion about Criterion 4

- Snow pit experiment results were discussed
- Co-location experiments were discussed
- Changes to the maps were discussed
- “V” coded samples were discussed

Recommendations for motion:

- A) To eliminate criterion 4 from the NADP completeness criteria for current data
- B) Retain definition of v-coded samples, but no longer invalidate v-coded samples

***Motion by Mark Rhodes to vote on ONLY A recommendation
Seconded by Kristi Morris
Motion PASSED***

Other discussion:

- NO Vote on B recommendation
- Agreement that future development of a better v-code definition/procedure needs to be accomplished
- Should maps for 2008 reflect the change to the completeness criteria? Yes.

New NADP Website Status Report – Bob Larson

Bob displayed the new webpage and format showing new features

- The projected launch is “sometime this summer”

Maggie Kerchner reminded the Joint Subcommittees that a motion was passed last year to allow all subcommittees to review and comment on new website products before it goes live on the public internet.

Data downloads functions were discussed

- Pam Padgett suggested a user survey for accessing data downloads
 - o possibly offering an opt-out option

Atmospheric Mercury Initiative – Mercury Initiative Workgroup

Eric Prestbo, Tekran

Eric discussed the development of the new network and participants

- He presented an NADP timeline for this initiative while highlighting milestones
- He also discussed reasons for pursuing a dry-deposition-type network

Eric discussed some of the documents that are to be posted on the NADP website

- New 12-point plan
- New field and data Standard Operating Procedure
- Site Survey SOP, with siting criteria
- QA Plan

Mark Olsen, USGS

Mark discussed the AMI (Atmospheric Mercury Initiative) operations and his role as the Site Liaison.

- He has completed 12 of 20 site surveys scheduled for this year.

Tom Bergerhouse, CAL

Tom reviewed website and data access issues

- He explained that over 770,000 records were available for download to the public
 - o Data is available in table or plot format
 - o Preliminary QA program flow has been established

David Gay, Program Office

David discussed:

- Future directions
 - o A “newspaper” for daily data review by site liaison
 - o The workgroup may ask for Network approval at the Fall Meeting
 - If so,
 - The 12-point plan will be presented
 - An oversight committee will be formed
 - o Discussions about the network and the role of the NADP

- Potential budget issues
- Data management issues

2009 Annual meeting and symposium in Saratoga Springs NY, Mark Niles

Set for October 6-9, 2009

Vote for Next Spring Meeting location, Chris Rogers

1st Pick.....Sedona, AZ
2nd Pick.....Austin, TX

Announcement for the Executive Committee Meeting Thursday Morning at 8:30AM

Motion to adjourn by Mark Niles

Seconded by Kristi Morris

All in favor