

Joint Subcommittee Providence RI, October 25, 2011

David Gay – Overview

NTN Growing, 5 new sites plus the State of PA has joined the network with 10 sites. Lost 7 sites. Leaves 251 plus or minus 1 or 2. Site in Argentina is still pending, some progress.

MDN down 11 sites and up 3 for a total of 108 sites. Peaked at 125 sites, still doing well. New MDN contract started on 10/1/2011. Fee decreased from \$159 to 134.50 and will be held for 5 years. HAL subcontract awarded to FGS for the years 2012 – 2016.

AMNet up 4 sites and Taiwan will join on 1/1/2012.

AIRMoN no change in price or site numbers

AMoN 49 sites operating basically doubled the number of sites in one year. Currently \$100/2 weeks or \$3,100/site/year.

New web site and map summaries have been developed.

State Agricultural Experiment Stations have seen a significant loss. We lost 11 sites of which 4 were long term since 1981. Reduction in funding is creating difficulties.

Sites in jeopardy: NTN 3 bad shape, 2 not good. MDN 1 bad, 1 OK for now; the North Carolina sites have been funded for one more year.

Income and expenses, FY10 was about as predicted with net site loss. We ended the year with a slight surplus. State budgets are also very tight.

E-gages: about 240 operating within the networks. Most sites are digital. USGS has 5 remaining to install. Approximately, 63, or 90%, have been installed.

Data completeness: 2010 data is final and the maps have been produced. NTN and MDN data are available thru May, 2011. AMNet and AMoN data are available thru mid July.

New maps will be produced using PRISM precipitation data. These maps are gradient based.

NADP was referenced in 148 publications in 2010. A listing is available on the NADP website.

CLAD/EROS would like a series of low level deposition maps. Discussions will take place this afternoon.

Bromide as a new analyte within NTN/AIRMoN will be discussed in Joint.

Fukushima Radiation Fallout Study, USGS/NADP cooperative project. Products will be a USGS Open-File Report (OFR) and a Journal Article in Environmental Science and Technology (ES&T).

Travel and Presentations: 10th International Conference on Mercury as a Global Pollutant (Halifax). 8th International Conference on Acid Rain (China). AMNet Site Liaison will attend a training session in Rome for the Global Mercury Observation Systems (GMOS).

Brian Kirschner is a new PO employee working with the digital data and maps.

Alexander Torres-Negron is working with the CAL on carbon and is funded by an EPA Star fellowship grant.

Bruce Rodger has retired.

Questions – Alan Van Arsdale “Are there holes in the Network?” MDN has holes in Louisiana, Texas and some out West. NTN probably not too many holes.

Mark Rhodes – QA Report

QAAG recent conference call, 2010 QA report is available

QA Plans: CAL 2009, EEMS 2009, HAL’s QAP is being revised

External reviews: CAL 19-21 July 2011, final report is pending. 62 observations, 59 recommendations, 37 findings although the findings were defined differently by the Review Team. Final report and response scheduled for the spring meeting 2012. HAL will be reviewed in summer 2012.

Site Surveys 2011: AIRMon 1, MDN 32, NTN 80, Collocated 20, AMNet 14.

Two equipment upgrades: AMoN sampler bodies continue to show evidence of contamination. Results with a vacuum desiccator and Radiello core are very promising for cleaning the sampler bodies. Preliminary results show the lowest blanks to date.

Lid pads, N-CON had switched to black, closed cell foam. Some operators have been removing the plastic covering from the lid pad when deploying. Black foam was tested for contamination and the end result was the black foam looks good compared to the polyurethane foam that is used with the ACM collector.

Status of site documents - 8 MDN sites do not have site information worksheets.

Digitizing and scanning of record archives progress: MDN 1/2006 – 12/2010 and NTN raw gage charts 10/2007 – 12/2010.

Miscellaneous

Site operator letters of commendation: 2 different letters, 35 operators, 2 in AIRMoN, 3 AMoN, 15 MDN, 31 NTN. NPS leads the pack with 9 operators receiving letters.

Finalize the AMNet Site Performance and System Survey and AIRMoN Operations Manual

Working with Site Liaisons on producing training videos and webinars.

A strategy has been implanted to update the MDN and NTN Standard Operating Procedures (SOPs). Representatives from each group have been identified. A conference call and in-person meets were attended by the representatives. A deadline of 12/31/2011 has been established for the content from each document to be supplied to the PO. The PO will format the content, send for review, and present the documents at the spring meeting.

Greg Wetherbee

The 12 point plan for bromide was presented for the addition of bromide as an analyte within the NTN and AIRMoN networks.

2010 data shows concentrations are higher in the West and lower in the Plains with Cl:Br ratios changing near the coasts. This indicates a sea water influence in the precipitation.

Discussions ensued about stability of bromide and the analysis of archived samples.

The 12 point plan was outlined in detail. There would be little impact on price (\$0.94/sample) and CAL (one-time \$4,250 LIMS upgrade).

MOTION: The NADP shall analyze NTN and AIRMoN samples for bromide ion concentration, quality assure the data obtained, manage the data in the NADP database(s) and make the data available to the public as an official NADP analyte as soon as feasible for the CAL and PO. Costs for addition of bromide will be absorbed by CAL for now and incorporated into FY13/14 budget planning for potential even cost sharing among all network site sponsors. It is understood that discontinuation of bromide analysis (or any other analyte for that matter) will not necessarily result in cost savings to NADP site sponsors.

Motion - Pam Padgett, 2nd John Sherwell.

Motion Carried.

END OF MORNING SESSION

Joint Subcommittee – Afternoon session October 25, 2011

Subcommittee motions and items were presented by the subcommittee chairs.

NEON Update was presented. Project overview, design and instrumentation. Discussions about the need to collocate with NADP continued. Maggie Kerchner enquired whether a laboratory has been identified/selected for analyzing the samples. That work will be open to bid. A discussion of non-uniform sample deployment and collection ensued.

Bob Larson presented an update on the maps and issues that he encountered. Historic maps are being generated using PRISM precipitation. PRISM data is not available for Canada. Gradient scales and colors will be modified to contain historical minimum and maximum values with the greatest color diversity,

some compromises need to be made. CLAD and EROS would like to see more resolution at the low end of the scale.

Marty Risch presented a 12-point plan for a new initiative for monitoring mercury in litterfall at MDN and AMNet sites. Seeking approval for a 5 year transition program. Executive Committee will assign an ad hoc committee to review the plan.

Three member nominating committee recommended Chris Rogers as the next Secretary to the Executive Committee. No other nominations made. Pam Padgett nominated Chris Rogers, with a 2nd from John Sherwell. Chris was appointed and the nomination was closed.

Andy Johnson, Executive committee vice chair, suggested Portland, Maine for the 2012 fall meeting. Final selection will be announced by spring meeting.

Jason Karlstrom mentioned the 2012 spring meeting will be held at the Doubletree Hotel in Portland OR from April 24 thru 26, 2012.

Kristi Morris mentioned the Total Deposition (T-DEP) meeting scheduled for Friday morning.

Motion to adjourn, Jason Karlstrom.