

NOS/DMAS Meeting Minutes

The Madison Concourse Hotel
Madison, WI
October 14, 2008

Greg Wetherbee called the meeting to order.

Meeting Minutes

Motion to approve NOS by Mike Kolian
Second by Mark Nilles
Approved.

Motion to approve DMAS by Kevin Mishoe
Second by Eric Hebert.
Approved.

CAL Report – Chris Lehmann, CAL Director, ISWS

251 active sites

One new site since Oct 2007

7 sites closed since Oct 2007 (including collocated deep bucket collectors).

2 sites with interrupted operations.

Sample Supplies Shipment
6 pack doing well

Dry Sample Data Return – just send back field form and precip chart via USPS (don't ship bottle) – empty bottles to be returned with supply shipment (in large box).
CAL will do small field blank study by Spring meeting to see if there is any contamination introduced to shipped empty bottles.

New staff – Kim Attig.

Instrumentation Changes

- 2nd FIA for ammonia project and total nitrogen up and running.
- Dionex IC 500 repurposed for research and is operating
- Change in pH meters from Corning to Mettler.

QA/QC

2008 QA Plan posted on NADP web sites

2005-2006 QA report with ISWS editor

2007 QA report in preparation

QA data web page undergoing revision.

Data Reporting

NTN 3 months behind – hopes to be caught up by Spring meeting.

AIRMoN on time.

New LIMS system under development.

Other News

AMoN – SOPs available (draft)

14 site operators attended the NTN training in Champaign this year.

HAL Report – Bob Brunette, Frontier Geosciences, Inc.

MDN Site Start-Up Program

Flat fee

Training provided

MDN Network Operations Update

Most parts now shipped from NED at PO

HAL to continue to maintain parts in Seattle

Exploring alternate phone coverage coordination with PO for MDN and NTN to allow greater coverage outside normal business hours

Potential merge of Site Liaison Tracking System (could use Microsoft Outlook Journal)

About 25% of motor boxes, 25% of rain sensors, and 20% of Belfort clocks require replacement each year.

HAL November 2006 Audit Summary

Open and in-progress issues:

- HAL Database Users Manual
 - HAL changing over to SQL Server
- Lower MeHg Matrix Spike
 - Decrease MeHg Spike Closer to Lower Range
- Modernize Data Capture Software

2006 QA report available

2007 QA report in progress

Data delivery schedule – data are being submitted on time to site operators and PO.

HAL MDL for 2008 = 0.063 ng/l?

13 participants in 2008 HAL Training Course

MDN Trace Metals Analysis method validation study completed July 2008.

Submission to NAPD 12 step approval process – Winter 2008.

USGS External QA Programs – Greg Wetherbee, USGS FY2009

99VT N-CON NTN is only collocated site left now.

Field audit samples cut in half

Interlab comparison program cut in half (4 to 2 samples per month)

Number of system blanks reduced by approximately 30%.

Blind audits remain the same

Priority this year is to update web site. Therefore, adding database programmer to Branch of Quality Systems staff.

Comparing shielded and unshielded collectors at the NCAR monitoring site to look at catch efficiency using plastic shielded ACM.

Survey Update –Mike Kolian, USEPA

151 site surveys

105 NTN

3 AIRMoN

43 MDN

(127 physical site locations)

Monitor newsletter (CASTNET publication) – Fall 2008 edition features a survey write-up.

QA Report – Mark Rhodes, QA Manager, ISWS

- Deep bucket - last off 9/30/08 – slight improvement , not worth the cost
- YES (Yankee) collection – 96WI – last off 9/30/08 – similar collection efficiency and sample chemistry to approved collectors, but too complicated for network
- N-CON NTN collector (11IL and 99VT) – evaluation in progress, recommendation at Fall 2009 meeting
- Theis and ETI optical sensors are being compared at 11IL
- NTN bucket heater to be designed and tested
- Linear actuator drive motors – operators happy with collectors with LA drives.
- Ott Pluvio² to be tested at 11IL

Special Studies

- Criterion 4
- Combined NADP precip isopleth – combines NTN, MDN, and AIRMoN sites to create a single, unified precip isopleths map.
- Network QR codes – AIRMoN and MDN data have same QR rating, NTN is different. QAAG looking at using same coding system for NTN.
- MDN low volume/high concentration samples.
- AIRMoN sick gague documentation
 - Complete: NY67, PA15, VT99, and WV99

- Pending: DE02, IL11, TN00

Motion – to combine the MDN, NTN, and AIRMoN precipitation data for development of annual precipitation isopleths for use in annual map summary.

By Gary Lear

Second Matt Layden

Motion passes.

Misc.

NTN Field Chemistry protocol

- Bump up minimum sample volume from 50ml to 75 ml for sites that are still doing field chemistry.
- Current documentation allows site operator to pour from bucket to bottle, then from bottle to field chemistry sample container.
- Preference is bucket to bottle, then bottle is sealed, field chemistry sample comes from bucket.

Motion by Jane Rothert

Second by Eric Hebert

Motion passes.

Site Surveys 2008-2009 (EEMS)

- Began 7/1/08
- NTN – 41
- MDN – 14
- AIRMoN - 1

Field Audit data (DF/DK samples) to be displayed and relayed to site operators (USGS).

Guidelines for Lab Review doc – revisions underway

Siting Criteria, clarifications – revisions underway

QMP – revisions underway

Status of QARs, QAPs, and Lab Reviews

HAL

QAP, approved and posted 07/2008

2006 QAR, approval with changes

2007 QAR, in progress

2007 Lab Review, written response from HAL pending

CAL

2005-2006 QAR, reviewed 08/2008, in editing

2007 QAR, in progress

2006 Lab Review, response received from CAL July 2008

2008 Lab Review, conducted 29-31 July, 2008, Review Report received in

September and forwarded to the CAL

PO

Network QAP, in progress
Quality Systems Review, suggestion by 2008 CAL Review Team to combine
CAL and PO Reviews

Mercury Concentration Outliers – Mark Rhodes, NADP PO, ISWS

No specific causes for high concentrations were found in low-volume samples. Task for
QAAG is complete.

Preliminary Work on Data Quality Rating Codes – Mark Rhodes, NADP PO, Greg Wetherbee, USGS

See presentation by Mark Rhodes. Work continues... report back at Spring meeting.

Elections

New NOS Secretary – Gary Connelly
New DMAS Secretary – Kevin Mishoe

Training Course Planning – Kathy Douglas, David Gay, Matt Layden, Jason Karlstrom