



**Executive Committee Meeting
2021 NADP Fall
Thursday 4 Nov 2021**

Called to order at 10:04 AM EDT

Welcome by Jamie Schauer and expression of new developments underway

PROPOSAL: Establishing a travel stipend for students to attend the Fall Science Symposium.

OUTCOME: Development of a formal plan to solicit funding for fall meeting by Jamie Schauer

Program Office Report

- General Network News
- Map Summary developments
- Website statistics and monitoring
- Program Goals and status
- Future Goals

Welcome to Amy Ganguli – USDA/NIFA, new Project Officer.

Committee/Sub-committee/Advisory Group Reports

Joint Update – (Luke)

Network and Equipment Testing –

Operator Training & Outreach – Richard Tanabe

Ongoing development of training sessions for field operators

Awards – Tanabe

Hoss Parks (MD15) recognition – tribute done during meeting

Siting Criteria – (Sharac)
Passive Samplers – (Steffens)
Dry Side bucket – (Braney)
NOS Secretary election: Mike McHale
Mercury Litterfall Network (MLN) (PO)
Website Update (Tanabe/Larson)
Lab/ Network Update (Mager)
CAL Update (Worley)
HAL Update (Olson)

Committee Reports

NOS

**NADP Secretary Approval

Mike Bell elected

Grid sensor improvements to older 7&11 grid units

USGS NAPP Network (McHale)

Critical Load video (Geiser)

PFAS Update (Shafer/Offenberg)

USGS External QA (Wetherbee)

EOS Catherine Collins

QAAG Camille Danielson

DMAG Bob Larson

MOTION FROM CHAIR TO ACCEPT REPORTS

2nd, with no discussion

VOTE: Passed unanimously

CLAD Emmi Felker-Quinn

TDEP Greg Beachley

MELD Rick Haueber

COMMENT FROM CHAIR – no proxy voting in governance handbook – needs further action

AMSC – Andy Johnson

MOTION FROM THE CHAIR TO ACCEPT REPORTS

2nd, with no discussion

VOTE: Passed Unanimously

Agency Reports

USFS:

USGS: offered to get sites to run the Snipit sampler for testing...

NPS: started Litterfall at Mammoth Cave

AK02, NPS funds, but on USFS ground

HABS work in parks, would be willing in the SNIPIT samples and testing

BLM: new rep for BLM: Parris Cooper/National Operations Center for Air

Pinedale MDN should also be starting this month.

FWS: 3-4 sites in the West: at the regional chiefs; now must pitch to the refuge chiefs.

GA09, lost its biologist, but should be going again next year (litterfall)

Mingo: equipment for NTN is moving there

CO86: looking for an operator

EPA: Rona Birnbaum is the new Acting Division Director

ME04; ending their one year of funding, tribe should cover outyears through their air grants

MI94: St. Marie tribe, short term, and use their air grant

TX02 to TX41 Coughatta, EPA will cover funds

Region 9: start a new site in San Diego County, AMON for sure.

NOAA: NTN MS19 will operate until the end of FY22, after unknown

WV99 NTN: Sept 21 ended

TX03 funding moves to USGS

NTN Grand Bay will continue

MDN Grand Bay will also continue

AMNet Grand Bay to Alaska in Barrow

Env Climate Change Canada: tentatively want to increase AMON sites next spring

Restart Southern Sask. Bratts Lake AMON; tentative

State of Maine: contract in place for one year. Status quo approved

SAES/Directors: this year is a review year, Midterm review

MOTION FROM THE CHAIR TO ACCEPT REPORTS

2nd, with no discussion

VOTE: Passed unanimously

Old business updates

Strategic Planning Update (Gay)

ACTION: Presentation to be sent to committee for further discussion on ordering of priorities

MLN update (Danielson)

ACTION: Oven drying SOP – documentation and approvals needed

MeHg aliquot sampling (Olson)

ACTION: Further monitoring to assess if issues of relevance are experienced

Passive Hg sampling (Morris)

Motion to allow intercomparison and other items (SLIDE) Kristi MORRIS

2nd, with no discussion

VOTE: No opposition passes unanimously

Napthalene in equipment experiencing infestations (Wetherbee)

No discussion or activity

ACTION: Tanabe to take into field and id any issues

AMSC request for extension (Johnson)

MOTION: extend AMSC for 4 more years Andy Johnson

2nd Winston Luke

No discussion

VOTE: Passed unanimously

Awards – Van Bowersox or Lifetime Achievement Awards? (Wetherbee)

MOTION FROM THE CHAIR for Pam Padgett nomination –

2nd, with no discussion

VOTE: Passed unanimously

Other candidates for awards? None nominated

Improving USGS site operations and maintenance (Wetherbee)

Discussion on improving overall site ops and maint for all partners

Theresa Cummings map for demo

Collaboration and sharing info on websites

Letters to org's sharing site locations for better interactive approaches

Parallel One Health efforts

2023 Budget Advisory Committee

Mtg summer of 2022 ahead of fall meeting, coincide with PO review and meet in Mdsn?

2022 Fall Meeting

Linda Geiser chr, collaborate with John Walker for lessons learned and best practices
Integrating in-person and virtual still has rough edges
Uncertainties about budgets and travel opp for state and fed employees

CAL/HAL review

Discussion and concerns raised

MOTION AND 2nd TO ADJOURN
MEETING ADJOURNED 4:05PM EDT

Motions/Commitments from Executive Session

Motion: JJS: Establishing a travel stipend for students to attend the Fall Science Symposium, in Memory of Ellis Cowling. Development of a formal plan to solicit funding for fall meeting by Jamie Schauer. "like give them funds to travel to the media, I don't want to pay for their scholarship for school but really to attend the meetings and, and we can talk about provisions of other things but that's the spirit....And we want to do this somehow like in the name of Dr. Cowling. Jamie to move forward with this concept and maybe bring something to spring meeting to, or even sooner. Motion is basically to move forward with the concept and the plan, and JJS wants to move forward with funds in place by the spring Meeting

REPORTS

Joint: No motions

NOS:

Motion: To cease testing the KJJ precipitation collector and sell the existing collector.

Motion: Improved Grid Sensors: The Program Office will start replacing 7- and 11-grid sensors with improved (upgraded circuit boards and boxes) versions starting immediately and continuing to evaluate the sensors at Eagle Heights. The PO will evaluate three 7-grid sensors; old vs. improved set to 50°C vs. improved set to 75°C closed temperatures. The PO will record collectors openings and

exposure for each sensor. The PO will encourage ACM sites to upgrade to Theirs sensors. Sites will responsible for upgrades (arm and sensor), maintenance and replacement of Theirs sensors.

Friendly Amendment: Any changes to precipitation chemistry resulting from this change will be monitored and evaluated by the Program Office to the extent practical.

EOS: no motions

QAAG: 5 **Motions**

1. DM Team: field lab hold times

1. The NADP data management team will adjust field deployment times, field hold times and lab hold times that lead to a qualifying flag per the chart below.

Summary of Changes....

- For **AMoN**: this will decrease field deployment times, implement field hold times, and increase lab hold times.
- For **MDN**, this will implement field deployment times that lead to invalidation and increase field hold times (preserved), and no change to lab hold times.
- For **NTN** this will decrease the field and lab hold times.

PROPOSED			Black is no change, red is what criteria used to be	Green is new criteria	
Network	Preserv.	Prep	Field Deployment Time Flagged	Field Hold Time Flagged - Receipt >	Lab Hold Time Flagged - Analysis >
NTN	4-6°C (at lab)	Filtration	>8 days, 2 hours = QRC	>16 days after off date = QRB >30 days after off date = QRC (WAS 60 days)	>30 days from receipt = QRB (WAS 60 days)
AMoN	Frozen (at lab)	Extraction	>15 days = QRB >30 days = QRC (NO QRC previously)	>30 days after off date = QRB >60 days after off date = QRC (NO F Hold Time previously)	>30 days from receipt = QRB (WAS 21 days from OFF date)
MDN	1% HCl (in field)	Oxidation/ Distillation	>8 days, 2 hours = QRB >15 days = QRC (NO QRC previously)	>16 days after off date = QRB >60 days after off date = QRC (WAS 30 days)	>60 days from receipt = QRB

2. Reduce AMON QA/QC

MOTIONS CONTINUED (2 AND 3)...

2. Reduce AMoN Field quality control (QC) samples to a minimum of 3 field duplicates and 3 travel blanks per site per year.

- Attempt to vary season and location and assess by site/season.
- Assess field QC based on this DQI: 90% of the field duplicates must have an absolute difference of less than 0.1 mg/L NH₄ (< 99th % TB concentration) and 90% of travel blank concentrations must be less than 0.1 mg/L NH₄ (~network detection level). Field QC will be assessed quarterly and any exceedances will lead to corrective action which may include an increase in the frequency or distribution of field QC samples.

3. Data on web; all valid or invalid

3. Change the website data reporting modules to report all network data provided on the web as either VALID or INVALID. All associated qualifying notes will also be reported for both the Valid (former Quality Rating (QR) A or B) and Invalid samples (former QR of C).

- QR ratings will still be provided on Preliminary Reports to Sites and stored in the lab database. This will be done for all website data after notifying data users. This will be done by Sept 20, 2022.

4. Approve reports

4. Approve the:

- 2020 CAL Quality Assurance Report
- 2020 HAL Quality Assurance Report
- 2019/2020 AMNet Quality Assurance Report
- NADP Quality Management Plan Version 3

All approved by QAAG with the provision that the QA staff will modify all 4 documents with suggested changes that were sent to C.Danielson by COB 10/22/21.

QARs all revised and posted to the website! Take a look – lots of metrics!

5. New Review Schedule

5. Proposed new combined review schedule for the CAL/HAL and program office as show in table. With external reviews taking place every three years after the first combined review in 2024 . Approved by QAAG.

	External NADP Review	Internal NADP Review
Laboratory	2021	Year 1, Year 2
Program Office	2022	Year 2
Laboratory/Program Office	Year 3 (2024), combined	

DMAG: No motions

CLAD: only motion for officer changes.

TDEP: just internal officer motions

CITIDEP: nothing.

MELD:

Motion: “I would like to introduce a motion for MELD to endorse the PO continuing to move forward to develop this initiative, as Mark presented, including the more inclusive lab verification (e.g., ECCC, and NCU).”

- ▶ **Motion passed:** MELD endorsed continued development of the implementation plan by the PO which includes the lab verification study and QA lab intercomparison with Tekran.
 - ▶ Per MMET Report recommendations and motion passed during NADP Budget Meeting in July
 - ▶ Method intercomparison to consider other instruments and allow for future expansion
 - ▶ Lab comparison with NADP, Tekran, ECCC and Taiwan
 - ▶ Implementation plan (12-pt plan) distributed

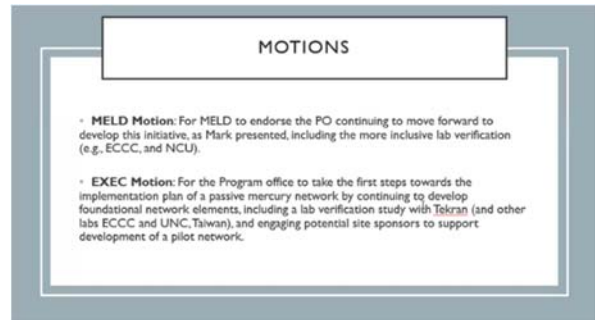
AMSC: No Motions, just request reauthorization

Agency Reports/New Sites Coming:

Old Business:

Passive Hg Network: Kristi

MELD Motion: For MELD to endorse the PO continuing to move forward to develop this initiative, as Mark (Olson) presented, including the more inclusive lab verification (e.g., ECCC, and NCU).



Exec Motion: For the Program Office to take the First Steps towards the implementation plan of a passive mercury network by continuing to develop foundational network elements, including a lab verification study with Tekran (and other labs ECCC and UNC, Taiwan), and engaging potential site sponsors to support development of a pilot network.

Motion passed unanimously.

AMSC: Reauthorization: passed.