

Draft Magruder Committee Meeting Minutes

Association of American Plant Food Control Officials Meeting

August 8, 2017 Bellevue, WA

9:30 AM-12:00 PM

Welcome, Introductions, Agenda Review-Bill Hall

Bill Hall, Chairman, called the meeting to order at 9:45 AM. Industry had 11 representatives with the control officials having 10 representatives. Total attendance was 21. The agenda was reviewed and no additions were made.

Approval of February and Conference Call Minutes-Group

The previous minutes were reviewed. Sharon made a motion to approve the minutes and Keith seconded – motion passed.

Treasurer's Report-Jamie Johnson

Jamie gave the treasurer's report. Total Net Income \$31,382.29 with a Balance of Total Assets \$99,032.19. Jamey said we are in much better shape than this time last year with 132 paid labs for 2017. We still have 3 invoices outstanding from 2016. Frank put together a new Invoice form. Finances are back up to where they were in 2014/2015.

Discussion included whether there was an easy way to go back and look at the number of labs in past 5-10 years (both paying and data). James asked about breakout details for the Methods Forum. Does it need its own category? We have Methods Forum expense and income and Jamie has a more detailed breakout. Jamie also said Mosaic paid some of the expenses. Changes to by-laws-Should financial report be in Magruder budget only or separated out? Haven't officially folded it under Magruder. The audit committee (consisting of the 3 previous association presidents) went over the books thoroughly. James made a motion to accept the Treasurer's report with a second by Sharon. The motion passed and the Treasurer's report was approved.

IFA Phosphate Study Update-Bill Hall

Mosaic hosting in Fall 2017 comparing Russian, European, United States and Chinese methods for available and water soluble for 34 different phosphate materials (more industry best method practices).

Methods Forum Update-Bill Hall

Methods Forum Board of Directors Meeting - Want to keep Methods Forum in touch with what attendees want. Breakouts and formal presentations-Topics/speakers (expert presenters); equipment, sample issues and topics of concern (survey coming out in the next 6 weeks)

Topic ideas include-

AA-Potassium analysis - would like to discuss (old equipment)

Method codes need updated- New AOAC methods (James and Sharon)

Michael- Have the Fulvic/Humic acids been covered in Magruder?

Bill- May need a beneficial substances (Si/Humic/Fulvic) check sample component. Mainstream or subset samples? Could make it Part B or separate. There is interest as we move into the organic world more. Suggested talking to Lawrence Mayhew about stats and sample prep.

James- Lignosulfonates/ FTIR techniques

Beneficial substances – value for testing (plating methodology). Microbial – could send out method and samples (humic, fulvic, ligno, etc.)

Forum will be in Savannah during the 3rd week of February (Wednesday pm, Thursday and Friday)

By-Laws Proposal -Addition of Methods Forum Activities- Bill Hall

Bill's question – Do we need a working group to review as we need to make this official at some point?

James- If you think the changes will be minor, make it as tentative. Frank made a motion to make changes as tentative and Patty seconded. Vote to make it official in Savannah -February. It will move to official in February - Motion carried.

New Website Demonstration & “Go Live” Date-Frank Sikora

Sample Distribution, Data Reporting and Database Unification Update-Frank Sikora

Magruder Status Data-

Magruder client database incorporating highest lab #, active clients, unpaid accounts, 2017 free labs, and 2016 not paid accounts). Melinda Walsh at Purdue has developed website (being reviewed). Main logo has been updated with pertinent photos. Frank recommends looking more into “who we are, and what we do”; Frank to add a short mission statement. Bill recommended a link to data. A suggestion was made to set up for online payment. Good security needed for online payment. Discussed PayPal or wire transfer. James asked if this is accessible from I-phone and Frank said yes.

Data Mining-How to Get The Most Benefit From Data – For Your Lab and For the Industry-Sanford Seigel

See slides. Magruder program is a powerful tool. Proposed new IA based metrics for Magruder reports. Looking at low results of 1% nutrients compare with methods 2SD to see if methods are getting high enough quality to support IA. Andy and Frank put together new metrics to identify where a method may be wrong or to correct. The IA is calibrated to represent 95% of the analytical data from lab running the same sample. James said that traditionally, it's the AV (analytical variation). IA should be greater than the AV because it would include a sampling variable (field sample contains segregation issue, etc.). Andy gave a presentation on IA Evaluation (see PowerPoint)- See Method IA Factor in the Magruder report. Method IA Status (new)- Replaces % threshold. Summary- Incorporate dispersion of Metric IA Factors into Method Summary Reports; Location Metric IA Status into Report Cards. International Impacts? After working this out, have a webinar to all clients. Bill says it is too early yet to do this but could use Mosaics webinar feature. Frank shared trends. Question is how to disseminate information. James – years ago we did reporting/trending and the newsletter could highlight.

Statistical Observations and Offering Consensus Values For High Profile Analytes In Reserve Samples for Sale-Bill Hall and Andy Crawford

Frank- Consensus Reports shows robust mean for methods. Shows uncertainty range by defining the area where the true mean lies (the true robust mean lies); the number of labs is important.

Program Modification/ Expansion To Add A “Materials Only” Option-Bill Hall

If the Program Modification is not pre-marked it will fail; should see if folks that had previously dropped out would be interested (get a list). Need to work on -Bill (after retirement).

Other Topics as time permits-Bill Hall

Sample Schedule- Under review

May need alternative for 2018-03 180311

James- New S "Sul4R" (good reference material) - may be for a substitute sample.

"Anuvia – product for consideration (complex fertilizer).

Reference material strategies supporting AOAC, ISO, and AAPFCO

Sharon- would like to see at "dirty" sample (complex) with metals > LOD (Bill will try to make it up)

Sanford asked if you could use some of 695?

Next Steps, Assignments and Agenda Items for Next Meeting-Group

A motion to adjourn at 12:01 PM was made by James and seconded by Sharon.

Respectfully submitted,

Patty Lucas