

2023 Summer Annual Meeting – Baltimore, MD 8/4/2023

Magruder Committee Meeting Minutes

Welcome, Introduction, Agenda Review and Approval – Frank Sikora

Meeting called to order at 2:15 pm by Frank Sikora

Motion to approve agenda - Sharon Webb seconded by Kevin Sapp - motion passed

Approval of Last Meetings Minutes – Frank Sikora/Patty Lucas

Motion to approve minutes - Kevin Sapp seconded by James Bartos - motion passed

Treasurer's Report – Matt Pearson

Matt sent report to Frank this morning (see spreadsheet/report for total revenues and total costs)

Frank asked if the Methods Forum info could be pulled out separately. Would like a separate accounting for the Methods Forum (another column) and one for Magruder.

Matt can get that and send it to Frank. \$48,871.50 was a payment from FASS but only received one for the year so far. Was income for Oct-Dec 2023; should have more coming in for January-June. Frank would like to have the income itemized per sample scheme. Does Matt get that info itemized. Matt shared an email with the payment breakdown income itemized. Contains \$ per each scheme.

Matt said there were a few old school invoices through QuickBooks that make up the difference.

Frank would like itemization of schemes and shipping. Matt also brought up the Able Labs itemized by individual costs associated by that (labels, containers, etc.). Can get breakdown for Able Labs from Able Labs. Frank asked where the FASS expenses show up? Matt pulled up a report in Quickbooks. It is membership services.

Need to look at why July 2022 through December 2022 isn't showing for membership services. Frank suggested putting (FASS) in beside membership services. Deadline to get this ironed out is next Magruder meeting in February.

Income \$48,871 (does not reflect all) and Expenses \$63,279

Noticed cost of sample prep has gone up a lot. See chart on Frank's slide. Need to look at more closely.

Discussion: Take a look at the breakdown for sample prep; need more data to know where costs are.

Comment from NV, prices are going up; need to look at details. Also, need the other income in here. Frank said we will look at the data when we get it.

Administrative Update – Frank Sikora/Job Fugice

Administrative Update (PowerPoint)

Frank shared the summary of # labs reporting in Regular Scheme (see chart)

Started new schemes in 2022. The ones in pink are those shared in the various schemes. Also, highlighted samples with low number of labs reporting data. Noticed a downward trend.

Frank shared the # of paid labs vs enrollment year. Dropped in February 2023, due to labs that haven't paid. Next chart is Regular, N, P and K for paid labs 2022 - 2023.

Action item from last meeting - convert method code list from pdf to xlsx on website. Thanks to David Snell for doing this :)

Action Item Updates

Bylaws - Addition to bylaws in red motioned by Kevin Sapp and seconded by James Bartos at 5/1/23 meeting. Motion passed. Information in red is new verbiage that has been added for the Treasurer duties/spending limits/approval process.

Action Item: Robust Range added to Report Cards

Made the Range a robust range - provides a better value for where the middle data point is for distribution across the labs. This is a good addition; easier than having another report.

2024 Enrollment will be available Nov 1, 2023

Sample Schedule - Job Fugice

Frank introduced Job as the co-chair of Magruder. Frank shared the spreadsheet (see 2023 Sample Schedule document)

This is accurate; except a few minor changes to the last couple. Has been working with James/Matt to get a product to replace one of them (K₂SO₄). Comment: Those extra schemes have added a lot of samples. Do we have other sources? Have been asking the same folks each time.

Questions? Bill Hall said other than our virtual meeting this fall, do we need to think about 2024 soon?

James mentioned Kerry Kummer and others that had some lawn products; good for a sample if we need some. Bill Hall offered to bring some lawn product up. There is also a new person at Lebanon Seaboard? Frank mentioned the coated fertilizer that was sent out unground. Had looked at data; will be discussing further. Looks like it's not too different.

Job asked for copy of minutes.

Magruder Newsletter – Frank Sikora/Sally Flowers

The Spring Newsletter went out. Winter turned into Spring. Plan on giving out a fall newsletter. Haven't thought about topics yet. One would be on the Methods Forum Part.

Alerting labs of their performance with respect to AAPFCO IAs – Frank Sikora/James Bartos/Peng Li

Was discussed at the winter meeting. See PowerPoint from Santa Fe Meeting

James Bartos made a motion that we make labs aware that we are using other indicators for quality assessment and are going to bring those (results and lower z scores) to their attention; for decision making purposes. Motion seconded by Bill Hall.

Working group was set up.

Part of reaching out to labs was identified in an article in the Newsletter. Make labs aware it's on their lab report. See slides from winter meeting.

Quackenbush J. AOAC 1966 - for APA (also included sampling error)

See chart for IAs in the OP

See slide for those with adequate z scores but outside of IA limits.

Options - change IAs or try to tighten lab's distribution; discussed communicating to the labs on these reasons.

Bill said the one thing we are not taking into account here is that there were not as many methods in 1966. Need to look at, is it methods that are causing these things? Recommended looking at the method info. The ICP method is more variable than the gravimetric method. Dion Tsourides has some suggestions on how to tighten the ICP data.

Need to identify how to help labs improve. Bill suggested splitting things up by nutrient (N, P, K, etc.)

James said we may want to take a look at the nutrient with the biggest issue first and then go forward. Frank shared the Magruder report card and highlighted that they could have green z-scores but are also getting additional information about results out of range (less than robust mean). ISO accreditors are looking at z scores.

Frank showed a report of labs and amount of instances of being outside IA; blue are the non-regulatory labs; red are regulatory labs. Individual reports can be generated to show IA status for each lab (shows how many were within/above/below IA range).

Frank shared an update of where AAFCO is regarding their limits. AAFCO workgroup recommendations for updating AVs (Analytical Variance). Does not include sampling error (or sample prep error). There has always been a push that that error needs to be included with respect to these limits in evaluating penalties.

AAFCO

Short term goal: Update the AV table using recent AAFCO PT data (Andy Crawford to look at data)

Mid-term goal: Establish Investigational Allowances that include bona fide estimates of pre-analytical error associated with field sampling and laboratory sample preparation.

Long-term goal: Move towards uniform adoption of IAs by states.

Frank wanted to share some thoughts on field sampling error. Historically, it was thought to be very high (30%). Based on data from where we get our IAs, sampling is less than 10% of variance sum. Also, from work with bagged animal feed (Field Sampling Study) not seeing these large errors.

Include field and lab error. Seeing approximately 4-12%; Estimations would depend on homogeneity of samples. Sampling study showed there is error there but not as large as the model shows. Have more questions than answers. Sharon said maybe we can start by evaluating the robust average/info within N, P, and K; and how it compares with what we have (IAs). Ingredients shouldn't be a problem. Bill is doing a study in FL with blended products with well matched and mis-matched particle size. Should be eye opening/not enough data but will show impact of variability in blended products.

Update on offering QRMs for purchase, Frank Sikora, Sharon Webb

Frank gave an update on offering QRMs for purchase; motion to have Marilyn Smith (Staff Assistant at Univ of KY) assume the task for handling QRMs with compensation was approved.

Frank shared how it will look when this is installed in the FASS website. (Dashboard of Magruder page)

See demo. Plan is to be functional this fall.

Bill Hall discussed placement of the ad for this; as well as finding the target audience.

Promoting INFA involvement with Magruder, Hugh Rodrigues, Job Fugice

Bill mentioned we were going to write a special letter to INFA letting them know who we are. Hugh said he thinks we need to send a Magruder brochure to Vanessa to circulate to the members of the various groups. Hugh has mentioned it a few times but hasn't received any feedback. Send brochure with contact information. Version on website is so old. Maybe send latest newsletter. Also was thinking about sending them a copy of the report. Hugh was asked how low and how high the levels of the heavy metals are. Doesn't know how their soil testing program works. Hugh shared info with them about IFA, ISO, etc.

Additional Topics

Motion to adjourn by Sharon Webb seconded by Kevin Sapp. Meeting adjourned at 3:46 pm.

Adjourn