

**AAPFCO**  
**Winter Annual 2019**  
**Magruder Committee Minutes**

**Approval of last Meetings Minutes/Report**

**Agenda** -Motion to Accept – Hugh / James -passed

**Minutes** -Motion to Accept –Hugh /James -passed

**Treasurer's Report**

Jamie passed out the Treasure report. Net income has increase by \$11,122.86

Still have several labs that still need to pay with outstanding balances.

Motion to approve the report - Sharon / Hugh

**Old Business**

**Sample Prep Study**

Frank/Tim -We talked about a mix of MAP and DAP. We would send the samples out and have them split and send the samples to other labs for testing. The issue is the sample sizes the labs needed varied greatly. Bill says we can select the size and any labs that need more can't participate. Frank believe there are about 15 labs interested. Tim -says he just needs the list of participants and the sample size. Action Item -Frank will send the list of participants to Tim. Sharon suggest having them prepare both ground and unground. James -will this be a blended product with an ideal SGN? Bill -we need to start out simple and Tim's products should be sized matched. Bill suggest Tim does a homogeneity study on the materials. Bill suggest weighing equal portions of the two materials (MAP & DAP) and then putting them in the sample bag.

**Method Code Requests / Updates**

AOAC is reviewing some of the single sample validations -so we needed to make sure we had our codes updated to include the latest AOAC method numbers. We are continuing to work on keeping them current. Frank is the housekeeper of all of this.

Frank -will cover adding

**New Business**

**Administrative Update**

- a. Website Update
  - a. Committee Member List –
    - i. Motion for Deon T? to fill Gregory H. vacancy due to his retirement - Sharon / Teresa -passed.

- ii. Motion -Denise Sebastian -needs to be removed and be replaced by Lawrence S. -Teresa / Sanford S.
- b. Update on website action items
  - i. Beginning this year labs can report < values
  - ii. COA -Now available for 2018 and will begin posting for 2019 samples. COA located under the report section on website. Frank prepared an article explaining what the COA includes. Analyte values for robust means are show unless there are fewer than 16 labs reporting. The fact article will be posted under the Research section on website and will be available after review. **Question from Michael Hojjatie**-if my company provides a sample to be used with its own COA should we include a column for the claimed certificate of analysis on the COA. Frank and Bill don't believe we should include someone else data. Question from ?? -is there any traceability of the sample. Frank -we know where the sample comes from and what its guarantee value is. Bill explained further about what is on the label that the labs would receive. This is a major step up in terms of the value we are adding to the program. These COA's can be used if labs want to purchase additional sample for use in their labs.
  - iii.

- b. Indicator data
  - a. Graphs of active clients –
    - i. 2017 -128 Active, current -140 Active labs.
    - ii. Most growth is in the international market, Mideast especially.
    - iii. We are behind on paid clients, out of 140 only 80 have paid.
    - iv. Moved the ship date back so international labs have time to receive them. Goal is to ship at least 75 days out.
    - v. IA rations -measure of variability of all labs compared to AAPFCO investigation allowance. If ration is <1 that's good. If the value is >1 that's not good.
      - 1. Soluble K2O -average is >1
      - 2. Direct APA -average is > 1
      - 3. Total Nitrogen -average is <1
  - c. Shortening test description submitted to FASS
    - a. Frank has shortened the name to Direct Available P as P205
      - i. Hugh recommended changing to Direct Available P205
  - d. Memberships numbers for Increase feedback?
  - e. Enrollment Certification Feedback -labs will now receive an email with a certificate upon enrollment. You can also see the list of labs (under the Enrollees section) on the website that show who has paid. Frank -maybe we should post enrollment info

on FASS site? Sharon -I think it would be a good idea, but either place would be good.

- f. Presentation articles are also available under the Resource section
- g. Making method obsolete -Frank and Sharon discussed and came to an agreement for Direct APA. Frank proposes making the method that only addresses the prep obsolete so that labs will need to select one of the other method option which include the method of analysis in addition to the prep method. Question from Audience -if their method is not on the list what can they do? Frank suggested they can be reported under the Other category. **Frank says he can poll the labs that report under the proposed method to be delete and see if they are using any methods that are not on our list (Action item). Motion -make the method code 41.60 obsolete -Frank / Sanford**
- h. Question from Hugh on other method code for Heavy Metals that may be incomplete -Frank suggested to have folks compile their list and bring them to the committee for review.
- i. Question from Sharon -new codes are needed -Frank suggested to get the suggestions to the committee for review

#### **Forum Sub-Committee Report**

Bill gave update on forum, numerous topics will be covered

55-60 registered participants, there are still a few more spaces available

#### **Supporting Lab Services Initiatives**

James -the data collected from Magruder will help Lab Services to focus their work and to set priorities. He also believes the Bio-stimulants program will be flooded with methods. He is also anticipating that new technologies will be submitted that may require the committee to add other expertise (e.g., UHPLC)

Frank -there is a section on website (Data Mining) that can be used to evaluate the data and he welcomes everyone to do that.

#### **Bio-Stimulants and Beneficial Substances**

Bill -we need to gather experts, and do we need to have a separate program for Bio-Stimulants that the Magruder program could administer. We need everyone's help to be ready to react to this issue.

James -AAPFCO may not want to start up something on this but we may be able to look to other programs that can do the work.

Bill -we need a list of anyone interested in analyzing bio-stimulants (regulatory or private sector labs)

Methods -Hugh comments -Humic method is approved and Silicon is waiting on comments. If we send out a sample for silicon they need to follow the analysis method as well which means ICP would not be appropriate. Maryam -ran both Silicon methods

and didn't see major differences between them. Comment from Audience? - Colorimetric and ICP can be very comparable but it depends on the material. Some materials are giving 200% differences.

### **Selecting 2019 / 2020 Samples**

Frank -sent out a survey on what labs would like to see regarding materials and methods He summarized the results. Humic acid was very popular.

Samples -Frank reviewed the schedule. The first four have already been sent out.

**May- High Micro** - James would like to see some higher numbers (5%). He will ask the inspectors to try and pull some samples.

**Jun** -??

**July -UAN and Potash** -Tim -UAN may not be doable but the Potash (the higher % the better) should be. Sanford suggest just buying the UAN

**Aug -Solid Humate & a 10-10-10** -Bill suggested having 2 so labs can all participate even if they don't do Humate. Hugh suggest adding a request to screen for Heavy metals as well.

**Sept -Coated NPK** -Hugh suggested sending unground sample, split out 288 and randomly take half and grind and send out and then send the other half unground later

**October -Organic or Humate**

**Nov -Soluble Silicon & 10-10-10**

**Dec -KMag**

**Jan 2019 -Nitrogen and Sulfur (Ammonium Sulfate)**

**Feb -DAP**

**Marketing & Advertising** -We will try to reach out to new clients. So, if you have any emails for perspective clients please send to us and we can do a mail out. Let Bill or Frank know.

**Public Comment/Input/Issues** -

### **Nest Steps, Assignments & Agenda Items for Next Meeting**

**Silicon data presented by Maryam** -see Maryam presentation for details. Question from James were these all liquid -yes. Maryam -up to 20% Silicon we get comparable results between ICP and Visible, but she doesn't know if higher ranges will get the same results. Dinesh Chand - For UV you need to use smaller sample amounts as opposed to ICP. James -what is the next step. Maryam -we are going to get samples from others and try different products and fine tune it and compare solids as well.

**Adjourn -12:15pm until 1:45 -motion -James/Sanford** – will come back briefly to see Maryam presentation on Silicon at 1:45pm.

**Final adjournment** at 2pm – motion to adjourn -Teresa /Sharon.