



Proficiency Testing Program Committee Report/Minutes

2017 AAFCO Annual Meeting
August 10, 1:30 – 5:30 PM, Bellevue, WA

Committee Recommendations

Committee recommendation summary or list.

- (1) Raise prices 25% for all 4 scopes to start in 2018

Board Recommendations

Board recommendation summary or list.

- (1) None

Association Actions

Association action summary or list.

- (1) None

Committee Participants

Brenda	Snodgrass	AAFCO PTP/OK Dept. of Ag	pt@aaafco.org	Chair – PM
Louise	Ogden	AAFCO PTP	pt@aaafco.org	Vice Chair – QM
Nancy	Thiex	AAFCO PTP	nancy.thiex@gmail.com	Manager
Deepika	Curole	LSU Dept. of Ag. Chem.	dcurole@ldaf.state.la.us	Member
Teresa	Grant	NC Dept. of Ag	teresa.grant@ncagr.gov	Member
Tai	Ha	NE Dept. of Ag	tai.ha@nebraska.gov	Member
Mary	Koestner	MO. Dept. of Ag	mary.koestner@mda.mo.gov	Member
Patty	Lucas	FL Dept. of Ag. & Cons. Serv.	patricia.lucas@freshfromflorida.com	Member
Aaron	Price	CFIA	aaron.price@inspection.gc.ca	Member
Frank	Sikora, Ph.D.	AAPFCO (Magruder)	fsikora@uky.edu	Member
Michele	Swarbrick	MN Dept. of Agriculture	michele.swarbrick@state.mn.us	New Member 08/2017



Lei	Tang, Ph.D.	FDA/CVM	lei.tang@fda.hhs.gov	New Member 08/2017
Sharon	Webb, Ph.D.	UK Div. of Reg. Serv.	sharon.webb@uky.edu	Member

Advisors Present

Dan	Berg	Covance Labs	Dan.berg@covance.com	Advisor
Andy	Crawford, Ph.D	AAFCO PTP	andy@crawford.org	Statistician & Advisor
Lars	Reimann	Eurofins	larsreimann@eurofinsus.com	Advisor
Ken L.	Riter, Ph.D.	Nestle Purina Analytical Labs	ken.riter@purina.nestle.com	Advisor

Committee Report

Committee Activities

ACTION: None

Sub-Committee Activities

ACTION: None

Committee Minutes

- 1) Call to Order
- 2) Review and Approval of Agenda
 - a) Approved with modifications
- 3) Introductions and Sign-up Sheet
 - a) Added Michele Swarbrick and Lei Tang as members to the committee.
- 4) Program Leadership and Administrative Update
 - a) Update committee description in AAFCO Procedures Manual
 - i) Description of Committee has been updated to reflect the name change as well as other editorial changes. The Committee approved the changes unanimously.
 - ii) Submit to Strategic Affairs Committee
 - b) Accreditation update
 - i) Mycotoxins and Minerals
 - (1) Louise Ogden reported that AAFCO PTP (Nancy and Louise) inspected the facilities as part of a GAP analysis and suggested some changes but it seemed very likely that they would approve the Mycotoxin program. The goal is to have the program approved in early 2018.



- (2) Minerals will be added to the scope by early September 2017. Documentation was submitted to ANAB in July 2017 and has been reviewed. No deficiencies were noted.
- c) EPTIS Database: Louise also reported that the EPTIS Database lists PT programs available throughout the world including listing the AAFCO programs under Animal Feed. Dr. George Latimer is the project's manager here in the US.
- d) Following the discontinuance of FDA support the prices for the PT program will have to increase. It is the intent to keep the program "affordable". Increases expected to be \$440 for the feed program and \$300 for the quarterly programs starting with the 2018 season. It was agreed to review the program's financial performance prior to future increases. Program leadership is currently
 - Chair: Brenda Snodgrass
 - Vice-Chair: Louise Ogden
 - Statistician: Andy Crawford
 - (1) There was discussion about the increases. Future increases will be requested when needed. At this time, it should not be an annual increase.
 - (2) Need to cover the cooperative agreement costs for accreditation and contract costs.
 - (3) Motion approved.
 - (4) Recommendation will be presented to Board.
- e) Survey
 - i) Upcoming survey – Pet Food - It was agreed to postpone the pet food related survey to early 2018.
 - (1) After the mid-year meeting
 - ii) Survey Results –
 - (1) Mycotoxin Contaminants – 28 people responded to the survey addressing mycotoxins with mixed responses. The mycotoxin program is very popular. It was suggested to include raw ingredients in the program but others felt raw ingredients were covered well by the AOCS programs. There seemed to be consensus on running 1 sample of DDGS. The challenges of finding samples with incurred mycotoxin content was restated.
 - (2) DDGS will be the 4th quarter round – also look at corn gluten-meal and other by-products (Lars) – or pay for a 5th test item. For this year – one time exception for 2017 – 8 labs in addition to regular participants are interested in the DDGS
 - (3) Discussion about methods to be used for DDGS – referred to AAFCO Laboratory Methods & Services Committee Mycotoxins Best Practices Working Group.
 - (4) Kits versus Mass Spec
- 5) Program Summary
 - a) Program Participation Report – current enrollment
 - b) Feed: 160-200+ labs submitting results in the feed scheme.
 - c) Pet Food: There are approx. 55 active participants in the pet food scheme except for those samples shared by both the pet food and the feed groups.
 - d) Minerals: now has around 30 participants.



- e) Mycotoxins: There are approx. 40+ participants in the mycotoxin scheme. Trilogy prepares the samples by mixing incurred samples with blank material.
- f) Homogeneity testing, minerals – Homogeneity studies have been performed on mineral samples which supported a homogeneity claim.
- g) Feed
 - i) Stability – Andy Crawford discussed stability related testing. Some labs use AAFCO PT samples as internal control samples and analyze them for the same target analyte multiple times over a period of time. He had received 42 such studies that indicated good stability for specific analytes. He stressed the need for identifying “challenging” analytes and collect stability data on those in order to meet the accreditation body’s expectations.
 - ii) Special analytes or special matrix
- h) Incorporation of Veterinary Drugs
 - i) Veterinary Drug Residues
 - ii) Reporting
- i) Pet Food Program

Special analytes or special matrix (Energy source/animal or plant based; carbohydrate), It was suggested to include sweet potato, salmon meal, high protein, high fiber, natural matrix and poultry meal among the pet food program matrices for 2018.
- j) Mycotoxin Program
 - i) Special analytes or special matrix – DDGS – 4th quarter of 2017 Program year
 - (1) Approximately 10 X the current concentration range
- k) Minerals Program
 - i) Special analytes or special matrix – Speciation
 - (1) Nancy & Lars – How many labs are doing speciation? What elements? What’s critical? Oxidation states/forms. A speciation focus may be added to this program sometime in the future (e.g., As, Cr, ...). Louise asked “do the Feed Control Officials want this and is FDA requiring it? This is a huge under taking and we need to have a large group participating.” More specific requirements and details will need to be presented to the PTP committee before we proceed with this addition.
- 6) Presentation: Review of AAFCO AV Limits – K. Fischer, Office of the Texas State Chemist - presented a comparison of AAFCO AV’s with the CV’s collected from the PT program. Plot indicated that many AV’s were lower than CV’s observed from the PT program. The suggestion was made that AV’s have outlived their usefulness and should be removed from the AAFCO manual. Instead the regulators should rely on “investigational allowances”.
- a) Liquid feeds – Monica Naylor commented that AAFCO does not have a liquid PT in the rounds – the AVs need to take liquid methods into account.
- b) Committee is “in charge” of the AVs, Uncertainty & ISO
 - i) Nancy – AVs are out dated and recommends these should be taken out of the Official Publication.
 - ii) Bill Hall – suggested using the “investigational allowance” approach as used for fertilizer (AAPFCO).
 - iii) Frank Sikora – how many labs have their uncertainties calculated – suggests these should be published by the labs.



- iv) Lars – The AVs are estimated and not necessarily for that particular sample (matrix).
- 7) Promotional efforts – AAFCO Proficiency Testing Programs – N. Thiex and L. Ogden, Aaron
 - a) PowerPoint - Other PT Committee members could present. To Do – I will send out email to the members/others
- 8) Future Program Improvements – B. Snodgrass and L. Ogden
 - a) Louise requested three volunteers from Federal, State and Industry to assist with updating the methods list. Louise will email members after meeting for volunteers.
 - b) Moving the quarterly schemes to a staggered schedule starting 2018. Mycotoxins in Jan., Pet Food in Feb. and Minerals in March. Approved by the committee.
 - c) In response to several requests it was mentioned that incorporating results of “<LOQ” would require the re-writing of the program incurring a significant expense.
- 9) Roundtable
 - a) Aaron – Canada ISO Accreditors are requiring labs to report < than the LOD – can’t report 0 – want to have the ability to do the < as on the mycotoxin reports. PTP Response - we would have to rewrite the program. FASS and statistician would have to reprogram to capture the data. This would be a major overhaul of the statistical analysis and reporting system.
 - b) Aaron – problems getting AAFCO PT Test Items across the border. Brenda and Louise asked Aaron to assist in getting the proper language and documentation to be sent with Canadian shipments.
 - c) Non-Protein Nitrogen (NPN)
 - i) Casey Guccione – The NPN data is of concern. Labs do not appear to be reporting the results correctly. Equivalent crude protein is listed on the label but report is for % Nitrogen.
 - ii) Michele Swarbrick – can we add a method code for the ECP?
 - iii) Nancy Thiex– discussed why – label claim is only one slice of the pie.
 - iv) Sharon Webb – have Lab Service Committee write the paper – referred to the AAFCO Laboratory Methods & Services Committee;
 - v) Sara Williams – obvious blunders. The PT Program statistician removes obvious blunders when evaluating data sets.
 - d) Heidi - Number samples – drop from 12 rounds a year to 6 rounds for Animal Feed. To help with costs over the next few years – This may be something to consider in the upcoming years.
 - e) Dietary starch code – 412.01- Nancy – labs are missing this code and not reporting. Wants this moved to the “12” Starch series. Brenda asked if the dietary starch is different than starch and that’s why it’s separated.
- 10) Adjournment

Action Item Table

Responsible	Item	Action	Timing / Status
Brenda	AAFCO Procedures Manual Update	Description of Committee has been updated to reflect the name change as well as other editorial changes. Present to Strategic Affairs Committee	October 2017/open



Responsible	Item	Action	Timing / Status
Brenda	25% price increase for 4 schemes	Present to board for approval	October, 2017/open
Brenda	Change matrix to DDGS to 4 th quarter mycotoxins	Contact Trilogy of change. Move original 4 th quarter to 2018 1 st quarter. Invite additional labs that expressed interest in analyzing.	September 2017/in progress
Louise	Create AAFCO PTP PowerPoint	Develop a PowerPoint that committee members could present at local AOAC & other meetings as a marketing tool	Before December 2017/Open
Louise	Update method code list	Email members for volunteers to assist in the update.	Before December 31, 2017/In process
Brenda	Canadian Customs Regulations	Ask Aaron for the requirements to ship test items into the country.	September 2017/Request sent to Aaron
Brenda	Dietary starch code	Resolve dietary starch code confusion	Before December 31, 2017/In process

Meeting Attendees

FIRST	LAST	Affiliation	EMAIL	Title
Jenny	Bailie	Milk Specialties	jbailie@milkspecialties.com	
Linda	Benjamin	FDA/CVM	Linda.benjamin@fda.hhs.gov	
Dan	Berg	Covance Labs	Dan.berg@covance.com	Advisor
Julie	Brunkhorst	Trilogy Labs	julie@trilogylab.com	
Jane	Caldwell	Midwest Labs	jcaldwell@midwestlabs.com	
Angela	Carlson	SGS North America	angela.carlson@sgs.com	
Andy	Crawford, Ph.D.	AAFCO PTP	andy@crawford.org	Statistician & Advisor
Deepika	Curole	LSU Dept. of Ag. Chem.	dcurole@ldaf.state.la.us	Member
Manisha	Das Ph.D.	FDA/CVM	Manisha.das@fda.hhs.gov	
Kelly	Davis	Renewable Fuels Association	kdavis@ethanolrfa.org	
Tim	Edwards	Spectrum Brands	tim.edwards@spectrumbrands.com	



FIRST	LAST	Affiliation	EMAIL	Title
Leticia	Fidalgo Buron	MPM Products Ltd	leticia.fidalgo.buron@mpmproducts.com	
Karen	Fischer	OTSC	kmf@otsc.tamu.edu	
Sally	Flowers	NE Dept. of Ag	sally.flowers@nebraska.gov	
Mark	Frampton	MPM Products Ltd	mark.frampton@mpmproducts.com	
Paul	Frankforther	Vitakraft Sunseed	paul.frankforther@vitakraft.us	
Teresa	Grant	NC Dept. of Ag	teresa.grant@ncagr.gov	Member
Casey	Guccione	KS Dept. of Ag	Casey Guccione@ks.gov	
Tai	Ha	NE Dept. of Ag	tai.ha@nebraska.gov	Member
Bill	Hall	Mosaic	bill.hall@mosaicco.com	
Dan	Hengst	Covance Labs	dan.hengst@covance.com	
Heidi	Hickes	MT Dept. of Ag	hhickes@mt.gov	
Jean	Hobus	Central Garden & Pet	jhobus@central.com	
Jeff	Horst	Agri-King	jeff.horst@agriking.com	
Dorota	Inerowicz	OISC	inerowicz@purdue.edu	
Barbara	James	Potash Corp	bjames@pcspophate.com	
Solomon	Kariuki	UKY Reg. Serv.	s.kariuki@uky.edu	
Brenda	Keavey	WV Dept. of Ag	bkeavey@wvda.us	
Mary	Koestner	MO. Dept. of Ag	mary.koestner@mda.mo.gov	Member
Dominika	Kondratko	CO Dept. of Ag	dominika@kondratko@state.co.us	



FIRST	LAST	Affiliation	EMAIL	Title
Philippe	Lamarche	Jefo Nutrition	plamarche@jefo.ca	
Joyce	Lewis	LA Dept. of Ag & Forestry	jlewis@ldaf.state.la.us	
Hui	Li, Ph.D.	FDA/CVM	hui.li@fda.hhs.gov	
Patty	Lucas	FL Dept. of Ag. & Cons. Serv.	patricia.lucas@freshfromflorida.com	Member
Kristi	McCallum	CO Dept. of Ag	kristina.mccallum@state.co.us	
Quintin	Muenks	MO Dept. of Ag	quintin.muenks@mda.mo.gov	
Lauren	Myers	Spectrum Brands	lauren.myers@spectrumbrands.com	
Monica	Naylor	Westway Feed	monica.naylor@westwayfeed.com	
Louise	Ogden	AAFCO PTP	pt@aafco.org	Vice Chair – QM
Aaron	Price	CFIA	aaron.price@inspection.gc.ca	Member
Chris	Quinones	Spectrum Brands	christopher.quinones@spectrumbrands.com	
Ron	Reid	Vitakraft Sunseed	ron.reid@vitakraft.us	
Lars	Reimann	Eurofins	larsreimann@eurofinsus.com	Advisor
Ken L.	Riter	Nestle Purina Analytical Labs	ken.riter@purina.nestle.com	Advisor
Dora	Rodriguez	Jefo Nutrition	drodriguez@jefo.ca	
Frank	Sikora, Ph.D.	UK Div. of Reg. Serv.	fsikora@uky.edu	Member
Brenda	Snodgrass	AAFCO PTP/OK Dept of Ag	pt@aafco.org	Chair – PM
Michele	Swarbrick	MN Dept. of Ag	michele.swarbrick@state.mn.us	New Member 08/10/17



FIRST	LAST	Affiliation	EMAIL	Title
Lei	Tang	FDA/CVM	lei.tang@fda.hhs.gov	New Member 08/10/17
Nancy	Thiex	AAFCO PTP	nancy.thiex@gmail.com	Manager
Caroline	Trudel	Jefo Nutrition	ctrudel@jefo.ca	
Victoria	Watkins	KS Dept. of Ag	victoria.watkins@kda.ks.gov	
Sharon	Webb, Ph.D.	UK Div. of Reg. Serv.	sharon.webb@uky.edu	Member
Sara	Williams	OTSC	smw@otsc.tamu.edu	
Jeanine	Wooten	WA. Dept. of Ag	jwooten@agr.wa.gov	