

Food Hygiene and Sanitation PDG Meeting

Attendees: Nadia Narine (Chair), Evan Rosen (Vice Chair), Sultan Al Taher, Keith Amoroso, Angela Anandappa, Jeff Anderson, Elizabeth Bach, Daniel Bair, Charles Bashiru Bakin, Mikio Bakke, Kara Baldus, Arlene Barrantes Romero, Richelle Beverly, Rachael Blevins, David Blomquist, Pardeepinder Brar, Patrick Brown, Laura Bunyan, Scott Burnett, Melissa Calicchia, Carmen Cantú, Elaine Chiu, Frederick Cook, Roger Cook, Alison Cousins, Vanessa Cranford, Sally Crowley, Ken Davenport, Kathryn Davis, Mark Davis, Elizabeth Demmings, Tom England, John Fam, Hadda Faye, Glen Feller, Chris Fisher, Sid Fuller, Heather Garcia, Mike Garrison, Vinayak Ghate,

Tia Glave, Peggy Good, Duane Grassmann, Leena Griffith, Dale Grinstead, Joshua Gurtler, Hillary Hagan, Steve Hails, Xiaoxu Han, Alex Hanley, Margaret Hardin, Edwin Hernandez, Taryn Horr, William Huntley, Abdoulie Jallow, Chris Jordan, Alexander Josowitz, Michael Kalish, Lee Katz, Amit Kheradia, Kathy Knutson, Lori Kora, Jeffrey Kornacki, Shira Kramer, Mark Kreul, Michele Kubista, John Larkin, Joanne Lim, David Limbaugh, Kevin Lorcheim, Yuqian Lou, Jim Marks, Yvonne Masters, Rachel McEgan, John Merenick, Michael Michel, Nathan Mirdamadi, Paul Mitchell, Marcia Murphy, Aaron Patch, Xiaoyan Pei, Eric Perez, Ruth Petran, Chuck Pettigrew, Brian Poon, Mingyu Qiao, David Rasmussen, Robert Roe, Edwin Roman Rivera, Robert Sakata, Ma. Rocelle Saldua, Allen Sayler, Michele Sayles, Dina Scott, Chuck Seaman, Mandy Sedlak, Alec Senese, Arlette Shazer, Tracie Sheehan, David Shelep, Ryan Simmons, Thierry Sofia, Ben Somerton, Naveen Kumar Srinivasa Murthy, Erika Stampoulos, Anna Starobin, Kelly Stevens, Rick Stokes, Katie Swanson, Ken Takano, Vince Tallaje, Natsumi Tanaka, Todd Taylor, Heidi Tremblay, Corey Troutman, Purnendu Vasavada, Daniel Vassar, Peien Wang, Kasey Ward, Curtis Weller, Joyce Wert, Jim Wilson, Anett Winkler, Paul Winniczuk, Kimberly Yeager, Ming Zeng, Luyao Zhao, and Kang Zhou.

Number of Attendees: 128.

Meeting Called to Order: 8:00 a.m., Sunday, July 21, 2019.

Minutes Recording Secretary: Vice Chair: Evan Rosen and Secretary: Nathan Mirdamadi.

Old Business: Discussion/Adoption of the IAFP 2018 PDG Meeting Minutes and June 2019 Call Minutes. We did not have any webinars this year. We spent the fall planning submissions for the annual meeting.

PDG 2019 Program: Topics Developed through the PDG:

- a. Session # 5595 Symposia: Novel and Emerging Technologies for Improving Sanitation (Jeff Kornacki, Shira Kramer, Dale Grinstead, Yale Lary, and Richard Brouillette) Wednesday, July 24th at 10:45 – 12:15 p.m.
- b. Session # 5852 Symposia: Biofilm and Low Water Activity Foods as It Relates to Cleaning (Michele Sayles, Shira Kramer, Dale Grinstead)

Wednesday, July 24th at 1:30 – 3:30 p.m.

- c. Session # 5895 Roundtable: Supply Chain Verification of a Sanitation Program (Else Forward, Angela Anandappa, Vanessa Cranford) Tuesday, July 23rd at 8:30 – 10:00 a.m.
- d. Session #5845 Symposia: Tracking FSMA Quantitative and Qualitative Impacts on the Food Industry Under Full FDA Enforcement – Stats, Trends, Challenges and Lessons Learned (Purnendu Vasavada) Monday, July 22nd at 8:30 – 12:12 p.m.

PDG Co-supported Proposals: Program Committee Accepted for IAFP 2019:

- a. Submitting Committee – Committee on Control of Foodborne Illness.
Session # 5537 Symposia: Updates to the Conference of Food Protection and the Food Code (Ewen Todd, Judy Greig) Tuesday, July 23rd at 1:30 – 3:30 p.m.
- b. Submitting PDG: Low-water Activity PDG.
Symposia #5650: “Challenges of Sanitation in Dry Processing Environments: What are the Evolving Methods?”: (Aparna Tatavarthy, Susanne Keller, Elizabeth Grasso-Kelley). Tuesday July 23rd 8:30 – 10:00 a.m.
- c. Submitting PDG: Fruit and Vegetable PDG. Symposia #5559: *Listeria monocytogenes* and the Produce Industry: Best Practices for Sanitary Design Control and Monitoring: Lead: (Robert Donofrio). Wednesday, July 22nd at 10:45 a.m. – 12:15 p.m.

New Business:

Opening remarks and farewell by Vanessa Cranford.

Antitrust Guidelines read by Vanessa Cranford.

A motion made by Dale Grinstead and seconded by Mark Davis to accept last year's minutes was approved.

Nadia Narine thanked Outgoing Chair Vanessa Cranford for her hard work over the last 4 years and leadership of the PDG.

Presentations (15 min.):

- a. Amit Kheradia on the topic ‘Use of Color Coding Tools with Hygienic Design.’
- b. Rick Stokes on the topic ‘Overview of Managing a Sanitation Program.’
- c. Nathan Mirdamadi on the topic ‘Partnership of OEM, Processors, and Equipment Design.’

Symposium/Workshop/Roundtable Ideas for 2020:

1. Symposia: Founders of Food Safety (Jeff K. – more of general interest topic, historical time line, selected contributions to food hygiene – Co-Sponsorship with Education PDG, and Student PDG, family tree concept. Where have we come from and where are we today? Academic lineages, tracing individual contributions, Dale).
2. Symposia Title/Topic: How Do You Validate the Cleaning of a Piece of Equipment? What are the steps that need to be performed? How can you design a

- validation program? Typically, validation is not always required. Lots of things are “assumed” to work. Boot washers, CIP, manual cleaning, how do you validate? Air – We use the filters but are they validated for effectiveness. Allergens, removal of soil. Cleaning and Sanitation Pitfalls – Maybe verification or qualifying? Routine vs. Specialized Events. Different categories – How does it apply to retail? Validating Chemicals and Process – what type of validation do I have in mind when I say validation, determined that ultimately the core team to review and determine if 2 topics are needed or they can be combined? (Jeff K. Co-Sponsorship with 3A Sanitary Design. Working Group: Dave Bloomquist, Dale Grinstead (dale.grinstead@diversey.com), Mark Davis (mark.r.davis@pepsico.com), Alex Hannley, Duane Grassmann, Mark Davis – Can Manual Cleaning be Validated? Too Many Variables, Tom England, Michelle Sales Alan Sayers, Joane, Kelly Stevens/Karl Thorson, Amit Kheradia (akheradia@remcoproducts.com), Anett Winkler (anett_winkler@cargill.com), Katherine Clark (clark.katherine@gmail.com), Kimberly Yeager (Kimberly.yeager@abbott.com).
3. Symposia Title: OSHA and Sanitation – How can you effectively design a sanitation program that also factors employee safety and chemical safety? (Yale Larry. Co-sponsor with Hygienic design). The PPE needed, exposure duration, removal of fats and soluble proteins and addressing bloodborne pathogens. How machine guarding can conflict with sanitary design. (Working Group: David Limbaugh david.limbaugh@diversey.com, Paul Mitchell, Hillary Hagan (Hillary.hagan@tyson.com), John Merenick, Nathan M.).
 4. Symposia: How to Use Data to Drive Sanitation Program Changes?: Using sanitation microbiology data to resolve sanitation issues. Beyond micro data to include all data (Rick Stokes Paul Mitchel to volunteer Kara Baldus kara.baldus@hydrite.com, Ken Davenport, Jeff Kornacki, Alex Hannley, Duane Grassmann, Melissa Calicchia (melissa@foodmicrolabs.com), Robert Rhode, Anette Winkler (anett_winkler@cargill), Kara Baldus (kara.baldus@hydrite.com).
 5. Symposia: Biofilm topic in as a general category for discussion. Re-cap the 2019 session and determine a continuation on the biofilm topic: Lots of biofilm discussion, getting people up to speed due to lots of quick activity, must stay current. Ruth Petran, Dale Grinstead: include regulatory/EPA, as there is a barrier that focuses on healthcare, so EPA is key to get in on food. Tom England: surface finishes, Shiela Kramer, include updates on issues and threats of biofilms in various food sectors. Dave Blum, cleaning biofilms, Angela Anadapa, Sailaja Chandrapati (schandrapati@mmm.com), Kara Baldus (kara.baldus@hydrite.com), Shira Kramer (shira.kramer@sterilex.com), Mingyu Qiao (mq76@cornell.edu), Amit Kheradia (akheradia@remcoproducts.com), Debra Smith (dsmith@vikan.com), Rick Stokes).
 6. Symposia: Titration, Allergen Test Kits, Sanitation Quantitative Tools for Components of Sanitation Verification. (Vanessa Cranford. Working Group: Rick Stokes (rick.stokes@ecolab.com), Kimberly Yeager (Kimberly.yeager@abbott.com), Ken Davenport, proposed to potentially include in the Verification topic).
 7. Symposia/Workshop: Cleaning up after special situations (crisis management, vomitus, bloodborne pathogens, and a Hep. A employee diagnosis): How do you proactively create a program that will handle these? Unusual soils, but people would use regular cleaning materials without considering special chemical situations to go along with this. Adverse events SOP missing these situations, product disposition, a couple of years ago, crisis remediation was proposed, workshop/roundtable, cleaning up after a crisis, decide if its own workshop or part of this one. Crisis models/practices, co-sponsor with Education and with Retail. U.S. Food Code doesn't fully address this, just some language in annex about norovirus. Expand definition of special situations, e.g., wildfires, flooding, tornadoes, etc. (Vanessa Cranford, Katharine Clark (clark.katharine@gmail.com), Alex Hanley, Jeff K, Dale, Anna Stowley: Kelly Stevens, Kim Jaeger).
 8. Symposia/Roundtable: People who use the equipment and get compliance often missed. Topic on compliance, how to get and measure it, how to find out what people are doing, what is considered good? What's the cleaning process going on?: People who use the equipment and get compliance often missed. Topic on compliance, how to get and measure it, how to find out what people are doing, what is considered good? What's the cleaning process going on? Disconnect between employees and management team. (Dale: Co-Sponsorship with Education or FS Culture PDG. Michelle Sayles: A Documentation struggle, audit inconsistency, how does it all tie together? Elizabeth Dunnings: Chris Jornings).
 9. Roundtable: Focus on people, Achieving compliance and measurement: (Dale Grinstead (dale.grinstead@diversey.com) Co-Sponsor Food Safety Culture).
 - a. Mechille Sales, (Elizabeth emt32@cornell.edu).
 - b. Chris Jordan (chris.jordan@diversey.com).
 10. Symposia: New Advancements in Managing MSS – Effective documentation (Chris Jordan (chris.jordan@diversey.com), Nathan Mirdamadi (Nathan.mirdamadi@cf-san.com).
 11. Symposia: Monitoring and Working with 3rd Party Sanitation: (Terran Horr, Michelle Sales – Working with Millennials – New Tech and Different Ages, Ken Davenport – identifying EMP to recognize,
 12. Roundtable: Economics of Sanitation, Limitations of Management, Budget: Allen Saylor: How do you find other opportunities for sanitation to drive value. How do we clean better to run longer? Alex Hanley: Cost of not doing this? Cost of Poor Sanitation used for justification. Melissa Calicchia, Katharine Clark (clark.

katharine@gmail.com), Nathan Nathan (mirdamadi@cf-san.com), Paul Mitchell (Mitchell@kerry.com).

13. Symposia: Farm-to-Fork food safety: Lead Dina Scott: From foodservice retail point of view, special event cleaning. Verifying cleaning and sanitation methods, including transportation. Significant enough for own topic, supply chain talk. Working group: Michelle Sayers, David Limbaugh (david.limbaugh@diversey.com) for farm to fork. Verification on transportation. How do you align incentives from a food safety perspective? Alex Josowitz, Co-sponsor with PreHarvest – Sterlix – Microbial Controls, how can we control loads coming into our facility Enhance FS, Decreasing Sal loads, better hygiene practices, Ken Davenport – consider transportation, Melissa Sales.
14. Symposia: Increase Profits by Decreasing Cost – How does C&S, PM add to the bottom line? Price of nonconformance: (Jeff Kornacki, Joanne Limb (joanne.e.lim@pepsico.com), Melissa Calicchia (melissa@foodmicrolabs.com), Paul Mitchell (paul.mitchell@kerry.com).
15. Workshop: A 2-day Advanced Hygienic Design and Sanitation: (Richard Brouillette, Nathan Mirdamadi, Rick Stokes, Deb Smith, Vanessa Cranford).
16. Symposia: War on Water! Risk Reduction in Low-moisture Food Manufacturing Environments: (Debra Smith (dsmith@vikan.com), Amit Kheradia (akheradia@remcoproducts.com).
17. Symposia 'Keep It Dry and Carry On! Avoiding Water in a Low moisture Processing Environment: (John Donaghy, Corporate Food Safety Microbiologist/ Quality Management, Nestle, Switzerland).
18. Symposia: War on Water! Environmental Hygiene Control through Controlled Water Use and Optimized Dry and Low-moisture Cleaning' (Debra Smith, Global Hygiene Specialist, Vikan, Denmark).
19. Symposium: Allergen Control – From Problem to Solution. (Debra Smith (dsmith@vikan.com), Amit Kheradia (akheradia@remcoproducts.com). The topic should have the following presentations with input from industry and key advocacy groups:
 - *The Problem – Allergens as a Food Safety Hazard.*
 - *The Solution Part 1: Hygienic Design to Minimize Allergen Risk.*
 - *The Solution Part 2: Effective Strategies for Minimizing Allergen Cross-contamination.*
20. Symposium: How Do GFSI Audit Criteria for Sanitation, Hygiene and Environmental Sampling Compare to FSMA Requirements? (Debra Smith (dsmith@vikan.com), Amit Kheradia (akheradia@remcoproducts.com).

Recommendations to the Executive Board:

1. Recommendation to Board for Nathan Mirdamadi to move into Secretary position as Evan Rosen is now Vice Chair.
2. Is it possible to have our PDG meeting at a later time rather than 8 a.m.?
3. Many PDGs that are of general interest are running simultaneously for example: Sanitation/ Hygiene, HACCP, FS Assessment PDGs, were all at 8 a.m. today. This creates challenges with attendance. To reduce conflicts when scheduling, can we look at the PDG rosters and see which PDGs have similar members based on involvement and not have those at the same time?

Next Meeting Date: August 2–5, 2020, Cleveland, Ohio. A conference call is set for August 22, 2019 at 11:00 a.m. EST.

Meeting Adjourned: 9:55 a.m.

Chairperson: Nadia Narine.

Other Business: Webinars do not need sponsorship. Those topics not accepted for symposia can be webinars. IAFP Connect, not many using it yet. Great tool encouraged to use to communicate.