

Connecting Processing Systems to Optimize Productivity and Reduce Waste, While Achieving Higher Compliance.

June 29, 2021

Moderator: Vidya Ananth, Novolyze, United States

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Vidya Ananth David Acheson Aaron Asmus Vijay Krishna

Moderator (Novolyze)

- -- The Acheson Group
- Hormel
- Glanbia

Today's Participants



Vidya Ananth, Novolyze, United States

Vidya Ananth is a VP of Food Safety & Depois Control of Support and Customer Success at Novolyze. She received her MS in Food Microbiology from Iowa State University and has been in the food industry for over 25 years and has made significant contributions in the areas of food safety, quality and regulatory affairs with a main goal to bend the curve of food borne illness globally. Vidya has held various Food Safety and Quality positions through her journey in the food industry and a few companies to name would be General Mills, The National Food Lab, Safeway, Clorox, Before Brands, Kohana Coffee and now Novolyze.



David Acheson
The Acheson Group LLC., United States

Dr. Acheson is the President and CEO of the Acheson Group; he graduated from the University of London Medical School in 1980, and following training in internal medicine and infectious diseases in the United Kingdom, moved to the New England Medical Center and Tufts University in Boston in 1987. As an Associate Professor at Tufts University, he undertook basic molecular pathogenesis research on foodborne pathogens, especially Shiga toxin-producing E. coli.

In September 2002, Dr. Acheson became the Chief Medical Officer at the U.S. Food and Drug Administration's (FDA) Center for Food Safety and Applied Nutrition. Following several other positions at FDA he was appointed as Associate Commissioner for Foods, which gave him an agency-wide leadership role for all food and feed issues, including health promotion and nutrition.

Today's Participants



Aaron AsmusHormel Foods R & D , United States

Aaron Asmus has been a part of Hormel Foods Research and Development for 18 years. Prior to his current role of Director of Lab Services and Refrigerated Foods Product Development, he spent 10 years working in product development for both Jennie - O Turkey Store and Hormel Foods. While in product development, Aaron worked on projects pertaining to RTE meats, fresh meat, applied meat science research, Compleat's shelf stable meals, SPAM, Chi Chi's salsa and tortillas, Dinty Moore beef stew, Hormel Chilli, canned chicken, and the development of new thermal process technologies.

In his current role, Aaron provides scientific basis and direction for all of Hormel's food safety policies and research, as well as manages the Hormel Foods Chemistry Lab, Microbiology Lab, Food Safety Research Lab, Sensory/Shelf Life Lab, and Thermal Process Authorities. In addition, Aaron also manages the Refrigerated Foods Product Development team.



Vijay Krishna
Glanbia Performance Nutrition (GPN), United States

Vijay Krishna is the Global VP of Quality & Egulatory Affairs at Glanbia Performance Nutrition (GPN). In this role, Vijay is responsible for planning, developing, and directing all quality assurance and regulatory policies, programs, and initiatives in accordance with global quality and regulatory guidelines and requirements. Prior to joining GPN, Vijay most recently held the position of VP of Food Safety and Quality at Sargento Foods Inc. He was responsible for the strategic leadership and management of the Food Safety and Quality function and leads the organization in the areas of risk management related to food safety, quality systems, and regulatory compliance. Prior to joining Sargento, Vijay held the role of Quality Director at Kerry Group, where he provided strategic and tactical support for continuous improvement of multi-site manufacturing facilities. He brings more than 20 years of experience in Food Safety and Quality Systems.



Connecting
Processing Systems,
Optimizing
Productivity and
Compliance



June 29, 2021, Presented by: David Acheson President & CEO

Overview



- Current Landscape
- Business Challenges
- Leveraging Data



Current Landscape

- Complex supply chains
- Emerging threats
- Consumer demands
- Improving epidemiology
- Influence of media
- Litigation
- Regulatory changes
- Criminal prosecutions





Challenges

- Constant innovation
- Consumer demands
 - Low cost
 - Zero risk
 - Exciting flavors
- Continued growth
- Being familiar with the current food safety risks
- Brand protection
- Limited resources and economic pressures





Regulatory Expectations

- Risk based preventive controls
- Preventive control rule requirements
- Validation that controls are effective
- Verification that controls are working
- Regulatory review of data
- Documentation of corrective actions
- Record keeping
- Leveraging technology







Leveraging Data - Risks

- Data rich information poor
- Failure to collect data
- Failure to analyze the data
- Failure to act on data
- Failure to trend data
- Failure to keep the data





Solutions

- Capture data through digital transformation
- Automate analysis as much as possible
- Identify actionable items
- Document corrective actions
- Maintaining records for review as needed







Thank you

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Aaron Asmus June 29, 2021







Dinty Moore

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Refrigerated Foods













Shelf Stable Foods













Opportunities for Digitization

- Large amounts of data are generated daily.
 - How do you transition from paper?
 - How do you find time to analyze?
 - How do you find the areas that are good fits for digitization?













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GUIDANCE DOCUMENT

Part 11, Electronic Records; Electronic Signatures - Scope and Application

Guidance for Industry

SEPTEMBER 2003

Download the Final Guidance Document

Final





Opportunities for Digitization?

- How to transition from paper?
 - Many of our records are still paper based
 - Need to understand benefits and risk
 - Benefit: Process optimization
 - Fully cooked bacon
 - Benefit/Risk: Increased efficiency, less time spent on "paperwork"
 - QCOC program
 - Record reviews become very critical
 - Risk: Data is still only as good as what is going into it
 - Real time scanning of ingredients



Post-COVID

- Plants are understaffed and high % turnover
- Plants are running very hard to keep up with increased demand
- Much inexperience in production and QC
- Is this the point where we rely on digitization and AI more than humans to make certain decisions?

What risks/benefits are involved in this?







Thank You!



Our Vision









FIND A
BETTER WAY
OUR CURIOSITY DRIVES

OUR CURIOSITY DRIVES INNOVATION EVERYWHERE



PERFORMANCE MATTERS

DELIVERING OUR BEST, EVERY DAY



WINNING TOGETHER OUR PEOPLE MAKE US UNIQUE





HIRING & DEVELOPING THE BEST PEOPLE

POPULATION OF TOP TALENT AND BUILDING CAREERS



PASSION FOR OUR BRANDS

INSPIRING THROUGH ADVOCACY & EDUCATION





BALANCING DRIVE WITH HUMILITY AND CELEBRATING SUCCESS



Our brands





Digital Workplace: - A "Systems" Approach

What Problem(s) are you trying to solve?

- Having the right level of analytics for the right individual(s) to make the right decision at the right time and place
 - Information/Data vs. Analytics
 - Various Reports/Excel Documents vs. one place for truth
 - Software vs. Process
 - People vs. System Dependent
- Building a systematic way to connect the dots throughout product supply chain
 - Less is more
 - Relationships between KPI/Analysis at each unit operation(s) understood and defined
 - Escalation Criteria KPI Hierarchy
 - RCA and CAPA: Negative and Positive Results
 - How do we measure Performance?

GPN Values: Performance Matters

Digital Workplace: - A "Systems" Approach

- How does the organizational culture/ways of working/Employee Behavior impact "systems" approach?
 - Data gathering and analysis build into the ways of working of the organization
 - Clear understanding of WHY, WHAT, WHEN, WHERE of current data collection and analysis to relevant employees including senior management
 - Explicit or implicit expectation to make informed decisions. If complete data is not available, what is the expectation?
 - Incentive to be proactive vs. reactive
- How does Business Strategy and Continuous Improvement (CI) impact Systems Approach?
 - As business evolves, the systems and governance will have to change accordingly
 - Building a road-map/strategy to meet future anticipated changes in Business needs

GPN Values : Finding a better way!

Digital Workplace: - A "Systems" Approach

Building a Business Case for the "systems" approach

- Alignment with the Systems approach with overarching business strategy
 - Why do these problems need solving?
 - How will the business benefit from this investment (ROI modeling)
 - Impact FSQR and Business KPIs, P&L, EE Morale/ EE Engagement results, Customer/Consumer Complaint Rate/Experience
 - You are now able to **Quantify** the Impact of your actions across supply chain

GPN Value : Winning Together





Questions?

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