



3-A Sanitary Standards, Inc. 2008 Annual Meeting May 19-23, 2008

Pharmaceutical (P3-A) Education Program

The first-ever Pharmaceutical 3-A (P3-A) education program on May 19 attracted 83 representatives from across the industry, including equipment fabricators, pharmaceutical manufacturing representatives, and others. The primary purpose of the program was to provide a general introduction to 3-A SSI's scope of interest, the industry desire for new equipment standards, and an overview of the first new P3-A candidate American National Standards.



Role and Purpose of P3-A Standards

- What benefits will the new P3-A Standards bring for fabricators, users, and advancing regulatory compliance?
- What is the scope of the new Standards relative to other equipment standards?

Paul Gold, (Pfizer Global Mfg. Services), Chair, P3-A Steering Committee



- How Does the P3-A Seal Vary from the ASME-B.73 Seal?
- Pump Hardware
- P3-A Data Sheet Review
- "Hands-on" Evaluations and Observations

Left, Bill Adams (Flowserve Corp.) and Marty Wager (ITT Industries – Goulds Pumps)



Pete Noll (Peerless Pump) and Pump Evaluations



Left, Ralph Gabriel (John Crane) and Sam Buckles (Preferred Pump, LLC)



Overview of New P3-A Standards

Left, Brian Rubin (Abbott Laboratories) and Lyle Clem (Electrol Specialties Co.)



P3-A Education Program Sponsors

- Electrol Specialties Co.**
- Gamajet Cleaning Systems, Inc.**
- G-M-I, Inc.**
- Lechler, Inc.**
- Paul Mueller Co.**
- Schenck AccuRate**
- Wright Flow Technologies**
- Walker Engineered Products**

P3-A Pump Standards Committee

- How Does the P3-A Pump Standard Vary from the ASME-B.73 Standard?

Watch for details on release of the new P3-A standards and purchase information from 3-A SSI in mid-summer 2008.

Order the latest 3-A Sanitary Standards and 3-A Accepted Practices on-line today, just visit www.3-A.org!

A New World of Sanitary Design

This year's program on May 20 in Milwaukee focused on key issues and challenges in today's hygienic design environment. A total of 143 representatives from across the U.S. and Europe participated, including equipment fabricators, regulatory sanitarians and processors. Participant feedback showed the presentations received uniformly high marks for professional content and quality.

Larry Hanson (Johnsonville Sausage), Chair, 3-A SSI Education

Meeting the Challenge of Hygienic Integration



Andrew Timperley (Timperley Consulting) described the challenges and strategies for integrating components, machinery, instrumentation, and control elements for the safe and hygienic operation of food production systems. Based on EHEDG resource information, subjects included procedures for design

process management, defining stakeholder specification requirements, risk assessment and HACCP, hygienic design requirements for equipment and environment, installation criteria, training and maintenance of competency, and more.

Design Challenges in Emerging Markets



Joe Smucker (Smucker Associates) gave informal perspectives on the planning and design of dairy processing facilities in some key emerging South American countries.

Smucker Associates is one of three third party auditor firms approved by FDA to conduct facility inspections outside of the U.S.

Design for Cleanability

Gabe Miller (Sani-Matic, Inc.) described the pressures to maintain proper cleaning and sanitizing in an era of cost control and demand for production. What are the major challenges and how should they be addressed? What is 'designing for cleanability' and why is it critical?



Allergen Control



Jacques Rouillard (JohnsonDiversey, N.A.) Concern about allergens and allergen control is one of the leading issues in cleaning efficacy. Jacques presented an expert overview of cleaner chemistry, how to can define the allergen risk, understand allergen sources and control, assess the role of chemicals and sanitizers in controlling risk, and use audits to monitor effective control.

Lean Alloy Alternatives for 300 Series Stainless Steels



Rick Jerzyk and Cheryl Botti (ATI Allegheny Ludlum) explained the need for end users and material specifiers to consider utilization of new materials for many applications where Types 301, 304, and 304L have been used. Lower-nickel alloys can and have been successfully substituted. They detailed the property data for substitute alloys and described the primary barriers to overcome.

Carl Kettermann (Rath Gibson) elaborated on the property data for hygienic design applications of the substitute alloys. Potential users of substitute alloys often require property data which necessitates that the material producers be an intimate part of this substitution process. Many potential substitutes may not be available in specialized components and product forms. Cooperative effort between all parties is required to make a successful switch.



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Mechanical Seals for Food Processing



Henri Azibert (A.W. Chesterton) described the challenges of standard mechanical seal function and configurations and how they affect the need of sanitary applications in terms of design, construction, and material. Special focus was given to specific problem areas such as screws, springs, bellows, gaskets, o-rings, press fits, and the heart of the mechanical seal, the seal interface. He presented various designs to allow for clean in place, drainage, and sterilization requirements.

High Tech Detection Methods: Non-invasive Inspection of Heat Exchangers

Tom Werner (Accusense Systems Ltd.) examined all current methods of plate, tubular and scrape surface heat exchanger inspection and provided an in-depth review of the various non-destructive testing methods of testing heat exchangers. A demonstration of detection using a helium injection system was offered following the program.



High Tech Detection Methods: Hygiene Detection Using ATP Bioluminescence Measurements

Virginia Deibel, Ph.D. (TRAC Microbiology) explained the use of bioluminescence as a test for soil detection and the relevance of the data generated. The light generated during testing provides a linear relationship between the amount light and ATP concentration. Simply, the more light and ATP found in the sample, the more soil was located on the sample spot.



**** **Hold Those Dates!** ****
3-A SSI 2009 Annual Meeting
May 18-22, 2008 (tentative)
Location TBA

3-A SSI 2008 Annual Meeting

A total of 220 representatives participated in the 3-A SSI Annual Meeting and Working Group sessions this year, including many first time participants. The meeting opened Wednesday morning, May 21.

3-A SSI Chair Greg Marconnet (Kraft Foods) opened the session with an overview of key accomplishments of 3-A SSI over the past year and plans for the new initiative to build the 'brand value' of 3-A.

He announced the recipients of the first 3-A SSI Volunteer Service Awards to recognize the extraordinary dedication and commitment of individuals who contribute to the development of voluntary standards and the mission of 3-A SSI. Announced in early 2008, nominations for the awards are made by fellow volunteers among the three stakeholder groups in 3-A SSI – regulatory sanitarians, fabricators, and processors – and others.

In center, Mr. Dennis Glick (U.S. Department of Agriculture, Agricultural Marketing Service, Dairy Grading Branch) received the 2008 Advancement Award for outstanding accomplishments on behalf of 3-A SSI. On left, Tim Rugh (3-A SSI) and on right Greg Marconnet.



In center, Mr. Richard K. Smith (Richard K. Smith, Inc.) received the 2008 Leadership Service Award for outstanding service to 3-A SSI voluntary standards development and significant contributions to the mission of 3-A SSI.

Thanks to our sponsors for A New World of Sanitary Design

Fristam Pumps
Gamajet Cleaning Systems, Inc.
G-M-I, Inc.
Graco
International Association for Food Protection
POWER Engineers, Inc.
SPX Corp.
Walker Engineered Products

Thanks to the International Dairy Foods Association for refreshments throughout the event.

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A New World of Sanitary Design - Program Evaluation

Interest Affiliation: 11 User 35 Fabricator 12 Sanitarian 8 Other

1= Excellent, 2=Good, 3=Fair, 4=Poor

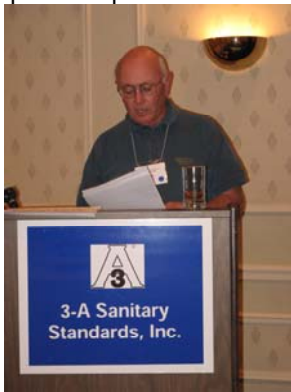
		Topics Relevant to Interests?				Quality of Content/Delivery?				Networking w/ Participants?			
		User	Fab.	San.	Oth.	User	Fab.	San.	Oth.	User	Fab.	San.	Oth.
Meeting the Challenge of Hygienic Integration	1	3	11	3	4	2	11	4	2	3	6	2	0
	2	4	19	7	1	5	18	5	3	2	9	4	1
	3	2	2	1	2	2	2	2	3	0	3	1	2
	4	0	0	0	1	0	0	0	0	0	2	0	0
Design Challenges in Emerging Markets	1	0	7	2	3	0	2	0	0	0	1	0	0
	2	4	11	5	3	1	7	1	1	3	10	2	2
	3	3	9	4	1	6	13	8	6	1	3	2	2
	4	2	5	1	1	2	9	3	1	0	5	2	0
Design for Cleanability	1	5	22	9	5	4	21	7	5	2	9	4	1
	2	4	6	3	2	5	9	3	3	2	9	1	2
	3	0	5	0	1	0	2	1	0	0		1	1
	4	0	0	0	0	0	0	1	0	0	1	0	0
Controlling Cleaner Chemistry	1	4	12	2	4	3	6	2	3	1	6	1	0
	2	4	14	8	2	3	15	9	3	3	10	4	0
	3	1	4	2	1	2	8	0	1	0	3	1	2
	4	0	1	0	0	1	2	0	0	0	3	0	0
Lean Alloy Alternatives for 300 Series Stainless Steels	1	6	26	4	5	3	15	3	5	2	7	3	2
	2	3	7	6	2	4	16	6	3	2	11	1	2
	3	0	1	1	1	2	2	1	0	0	2	2	0
	4	0	0	0	0	0	0	0	0	0	1	0	0
Mechanical Seals for Food Processing	1	6	17	4	2	4	10	2	2	1	5	1	0
	2	3	8	4	2	4	18	4	3	3	10	3	1
	3	0	6	4	3	1	4	6	2	0	4	2	1
	4	0	2	0	0	0	0	0	0	0	1	0	0
Non-invasive Inspection of Heat Exchangers	1	4	6	4	4	4	4	3	2	2	2	1	1
	2	2	15	2	2	2	19	4	4	1	11	1	0
	3	4	9	5	2	4	6	4	1	1	5	3	2
	4	0	2	0	0	0	1	0	0	0	1	0	0
Hygiene Detection Using ATP Bioluminescence	1	4	15	5	6	5	20	8	6	2	12	1	0
	2	4	12	5	1	4	12	3	2	2	7	3	3
	3	1	4	0	1	0	0	0	0	0	1	1	1
	4	0	1	0	0	0	0	0	0	0	1	0	0

Photo Gallery – 3-A SSI 2008 Annual Meeting

Allen Sayler (IDFA) led a valuable 'hands on' training workshop for Certified Conformance Evaluators and others on May 19.



Work Group Chairs presented status reports prior to Work Group meetings May 21-23.



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