FSMA UPDATE: THE ROLE OF 3-A IN YOUR PREVENTIVE CONTROLS PLAN

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1

ALTERNATE TITLE: Where does 3-A Fit in with FSMA



From the Conde Nast Collection.. Poster available at www.art.com

FDA FOOD SAFETY MODERNIZATION ACT (FSMA) -2011

HTTP://WWW.FDA.GOV/FOOD/GUIDANCEREGULATION/FSMA/UCM247 548.HTM

"BUILDING A NEW FOOD SAFETY SYSTEM BASED UPON PREVENTION" (FDA)





- Reactive
- U.S.-centric
- Focused toward on-market products

New Law

- Proactive
- Global Implications
- More PROCESS/PREVENTION oriented
 - Early identification of risk
 - Supplier emphasis
 - Increased communication

KEY PROVISIONS OF THE ACT – WITH RESPECT TO 3-A SSI

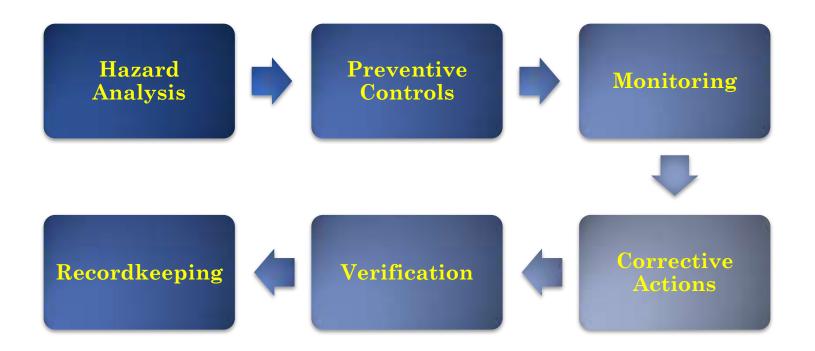
TITLE I: IMPROVING CAPACITY TO PREVENT FOOD SAFETY PROBLEMS

- Sec. 101. Inspection of Records
- Sec. 102. Registration of Food Facilities
- Sec. 103. Hazard Analysis and Risk Based Preventative Controls
- Sec. 104. Performance Standards
- Sec. 105. Standards for Produce Safety
- Sec. 106. Protection against intentional adulteration
- Sec. 107. Authority to Collect Fees
- Sec. 108. National Agriculture and Food Defense Strategy
- Sec. 109. Food & Agricultural Coordinating Councils
- Sec. 110. Building Domestic Capacity
- Sec. 111. Sanitary Food Transportation
- Sec. 112. Food allergy and anaphylaxis management
- Sec. 113. New Dietary Ingredients
- Sec. 114. Guidance relating to post harvest Processing of Raw Oysters
- Sec. 115. Port Shopping
- Sec. 116. Alcohol-related facilities

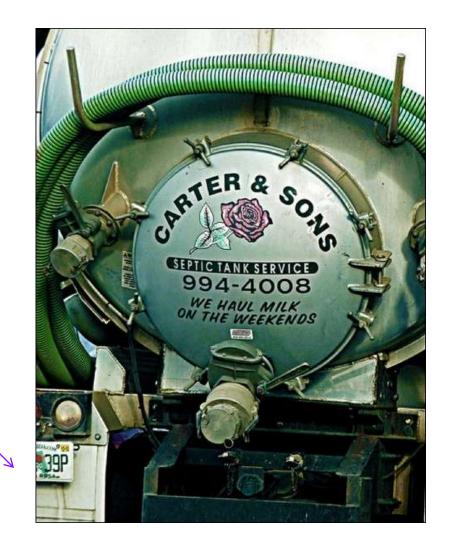
FSMA SEC. 103. HAZARD ANALYSIS AND RISK BASED PREVENTATIVE CONTROLS (HARPC)

• Facilities Required To Develop and Implement A Written Preventive Controls Plan (aka HARPC Plan)

ELEMENTS OF THE PREVENTIVE CONTROLS PLAN (PER FSMA)



SEC. 111. SANITARY FOOD TRANSPORTATION



Florida Plate

11

PREVIOUS ACTIVITY – SANITARY FOOD TRANSPORTATION

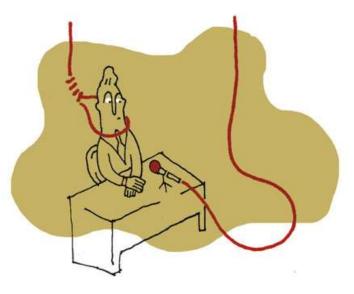
• Sanitary Food Transportation Act (SFTA) -1990

- US Dept. of Transportation (DOT)
- Sanitary Food Transportation Act (SFTA) -2005
 - Moved From US Dept. Of Transportation (DOT) To FDA

• FDA Activity

- Advance Notice Of Proposed Rule (ANPR) (April 2010)
- FDA Guidance For Industry: Sanitary Transportation Of Food
- Now FSMA Implementation

FDA REGULATIONS FOR IMPLEMENTING FSMA



WHICH PROPOSED REGULATIONS MAY HAVE 3-A SSI CONNECTION?

- Preventive Controls (Comments sent)
- Sanitary Transportation (Comments sent)

PROPOSED RULE -- CURRENT GOOD MANUFACTURING PRACTICE AND HAZARD ANALYSIS AND RISK-BASED PREVENTIVE CONTROLS FOR HUMAN FOOD

Timeline

Proposed Rule: Jan. 16, 2013
Suppl. Prop. Rule: Sept. 29, 2014
Final Rule Expected: Aug. 2015

Expected Outcome

- •Amend cGMPs (21CFR117)
- •Establish requirements for Preventive Controls Plan

PROPOSED RULE -- CURRENT GOOD MANUFACTURING PRACTICE AND HAZARD ANALYSIS AND RISK-BASED PREVENTIVE CONTROLS FOR FOOD FOR ANIMALS

o Timeline

- Proposed Rule: Oct. 29, 2013
- Supplemental Proposed Rule: Sept. 29, 2014
- Final Rule Expected: Aug. 2015

• Expected Outcomes

- Establish and/or Clarify cGMPs for Animal Foods
- Establish requirements for Preventive Controls Plan

KEY PROVISIONS OF PREVENTIVE CONTROLS PROPOSED RULE(S)

- Hazard Analysis -- More Emphasis on Risk Assessment
 - Biological, Physical, Chemical, Radiological, Allergens
- Control Measures -- Emphasis on Non-CCPs (e.g. Prerequisite Programs or PRPs)
- Monitoring
- o Corrective Actions
- Verification Emphasis on Validation
- Documentation and Records

ADDITIONAL PROVISIONS (STILL PENDING)

- o Product Testing
- Environmental Sanitation and Monitoring
 - For Microbiological and Allergen Control
- o Recall and Trace-back
- Supplier Controls
- Economic Adulteration
 - Possible introduction of hazards

IS HARPC HACCP WITHOUT SAYING "HACCP"?

- Almost HACCP (AHACCP)?
- "HACCP Emphasizes CCPs. HARPC Includes More Emphasis on Non-CCPs

COMPARISON HARPC & HACCP – HAZARD ANALYSIS

HACCP	HARPC– Proposed
Elements -	Elements -
	Hazard Identification Hazard Evaluation (Risk Assessment)
Hazards-	Hazards-
Biological Chemical Physical	Biological Chemical Physical Allergens Radiological

COMPARISON HARPC & HACCP – Control Measures

HACCP	HARPC – Proposed
Critical Control Points (CCPs)	Preventive Controls
 Based Upon Decision Tree Must Have Definable and Realistic Critical Limit which can be Monitored and Verified 	 Include CCPs and "Non-CCPs" Include Sanitation Programs (SSOPs)
Prerequisite Programs (PRPs)	
 Required as Foundation to HACCP Include Sanitation Programs (SSOPs) May be used to Control Hazards when Impractical to Identify as CCP 	

KEY WORDS IN PREVENTIVE CONTROLS PROPOSED RULE

oRisk AssessmentoValidation

PROPOSED RULE – SANITARY TRANSPORTATION OF HUMAN AND ANIMAL FOOD FEB 5, 2014)



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Final Rule Expected:
March 2016

Part II

Department of Health and Human Services

Food and Drug Administration

21 CFR Part 1 Sanitary Transportation of Human and Animal Food; Proposed Rule

PROPOSED TRANSPORTATION RULE

- Requirements for Transportation Vehicles and Transportation Operations
- Recordkeeping and Documentation Requirements
- Waivers for Certain Industry Segments
 - Grade A Milk and Milk Products under the Pasteurized Milk Ordinance (PMO)
 - Others Possible?
 - Juice Processors Assoc (JPA) Tanker Wash Program??

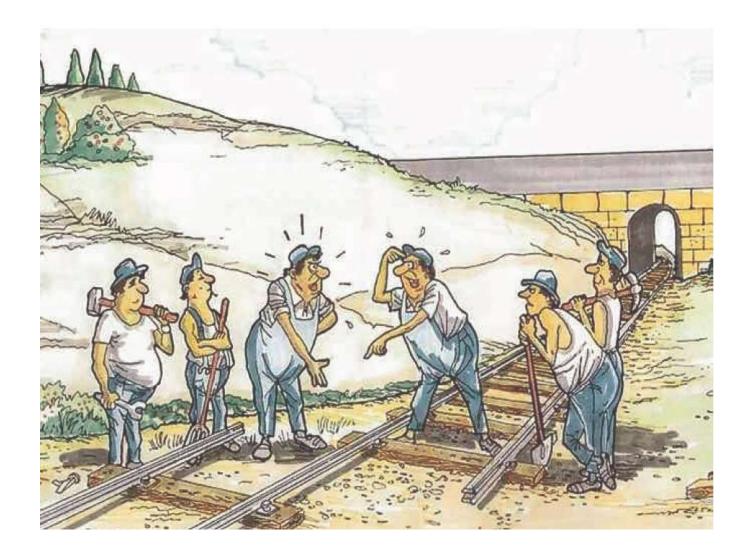
3-A SSI GENERAL POSITION REGARDING THE PROPOSED RULES

- 3-A Sanitary Standards should be recognized as meeting the intent of the proposed rules.
- 3-A Sanitary Standards should be recognized as a foundation upon which to validate preventive controls related to equipment
- Conformance with hygienic design and construction principles improves and facilitates cleaning and sanitation programs
- Conformance with hygienic design and construction principles facilitates validation
- Without proper hygienic design and construction, validation is difficult, if not impossible.

A FEW WORDS ABOUT VALIDATION RELATIVE TO HACCP

Validation is that Element of Verification Focused on <u>Collecting and Evaluating Scientific</u> and Technical Information to Determine Whether the HACCP Plan, When Properly Implemented, Will **Effectively Control the Identified Food** Hazards

WE DID VERIFICATION... WHAT HAPPENED?



ELEMENTS OF HACCP VALIDATION (USDA)

<u>Identify</u> supporting documentation

 <u>Identify</u> critical operational parameters from supporting documentation relevant to process

Element 2: In-plant Demonstration (Execution)

Element 1: Scientific or

Technical Support (Design)

- <u>Implement</u> critical parameters from supporting documentation
 Cather data demonstrating the
- Gather data <u>demonstrating</u> the effectiveness of the HACCP system

EQUIPMENT VALIDATION ISSUES RELATIVE TO PREVENTIVE CONTROLS

• Prescriptive-based Elements

- Assurance that equipment meets hygienic design principles
 - Conforms to standards (where appropriate or where they exist)

• Performance-based Elements

- Installation
- Operation Programs
- Maintenance Program
- Moving Equipment in and out of facility
- Cleaning and Sanitation Programs and Systems
 - Standard Operating Procedures (SOPs)
 - PRPs

ADAPTING THE HACCP VALIDATION MODEL TO FOOD EQUIPMENT PROGRAMS



PART 2: OBSERVATIONS FROM AN AGING ACADEMICIAN



CURRENT TRENDS IN REGULATORY AND THIRD PARTY AUDITING PROGRAMS

- Increased Focus on "Performancebased" Elements
- Very general with regard to auditing of food equipment and hygienic design
 - Interpretation and scrutiny varies with the knowledge and background of the auditor

FURTHER THOUGHTS

The current emphasis on "performance-based" auditing programs is a good thing, in fact it is commendable, but don't forget those "prescriptive-based" elements... Ahh this is where 3-A fits in.

PUSH BACK ON PRESCRIPTIVE EQUIPMENT STANDARDS – FROM A VARIETY OF SOURCES

o Too Expensive

- Save a buck now... pay later
- 3-A is Dairy and not Applicable to Many Industries
 - Say "Listeria in Cantaloupes" 100 times.
- Too Restrictive
 - No comment

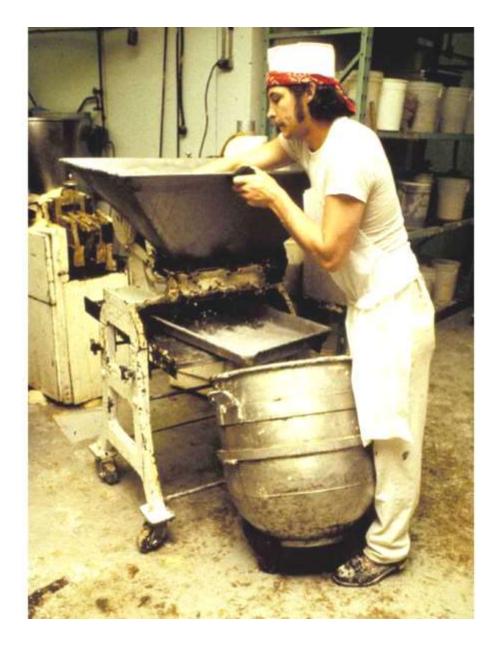
• Standards stifle creative genius

- OMG, LOL
- Equipment, when installed and/or modified, loses its conformance with 3-A (or NSF or other) standard
 - Is this a reason not to have the standard? Jeez Louise!!!

Creative Genius Design Innovation 1032 – Warm Water for Hand-washing Sink



Designed by Schonrock Enterprises, Ltd.



HOW FAR HAVE WE COME SINCE "BACK IN THE DAY"?

Validate This!!



VALIDATE THIS!!!



VALIDATE THIS?



QUESTIONS/COMMENTS?



40