

Management and Evaluation of Thermal Processing Deviations

September 3-4, 2009

GMA Headquarters, Washington, DC

Thermal processing deviations occur in food and beverage production, making proper management and evaluation of deviations essential to protecting public health and ensuring regulatory compliance. Federal regulations (21 CFR 113.89, 9 CFR 318.308 and 381.308) require low-acid

canned food processors to detect and properly handle deviations from a scheduled process. Critical issues and techniques required to address thermal process deviations in everyday manufacturing will be discussed.

Topics Will Include:

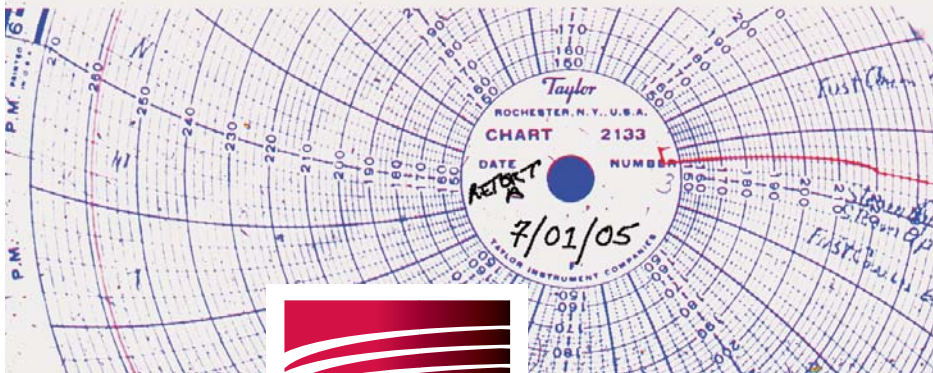
During this two-day workshop, participants will cover the principles of deviation management and evaluation. Instruction, interaction and hands-on activities will provide the participants the skills they need to be able to:

- recognize when a deviation occurs;
- understand the regulatory requirements for handling deviations;

DAILY PROCESS RECORD

Plant Location Amgen Inc Date _____

Product	Temp. chart No.	Batch No.	Retort No.	Size of Containers	No. of Containers	Code	IT °F	Time steam on	Time vent closed	Time cook starts	Time cook en/
<u>all green Asparagus</u>	<u>10</u>	<u>30</u>	<u>A</u>	<u>300</u> <u>407</u>	<u>2400</u>	<u>REAS</u> <u>3.30</u>	<u>100</u>	<u>10:30A</u>	<u>10:37</u>	<u>10:40</u>	
"	<u>11</u>	<u>31</u>	<u>B</u>	"	"	<u>3.31</u>	<u>103</u>	<u>10:45</u>	<u>10:52</u>	<u>10:54</u>	
"	<u>12</u>	<u>32</u>	<u>C</u>	"	"	<u>3.32</u>	<u>106</u>	<u>11:00</u>	<u>11:07</u>	<u>11:11</u>	
"	<u>13</u>	<u>33</u>	<u>D</u>	"	"	<u>3.33</u>	<u>110</u>	<u>11:15</u>	<u>11:22</u>	<u>11:25</u>	
"	<u>10</u>	<u>34</u>	<u>A</u>	"	"	<u>3.34</u>	<u>122</u>	<u>11:30</u>	<u>11:37</u>	<u>11:40</u>	
"	<u>11</u>	<u>35</u>	<u>B</u>	"	"	<u>3.35</u>	<u>123</u>	<u>11:45</u>	<u>11:52</u>	<u>11:54</u>	
"	<u>12</u>	<u>36</u>	<u>C</u>	"	"	<u>3.36</u>	<u>125</u>	<u>12:00</u>	<u>12:07</u>	<u>12:10</u>	
"	<u>13</u>	<u>37</u>	<u>D</u>	"	"	<u>3.37</u>	<u>124</u>	<u>12:15</u>	<u>12:22</u>	<u>12:25</u>	
"	<u>10</u>	<u>38</u>	<u>A</u>	"	"	<u>3.38</u>	<u>121</u>	<u>12:30</u>	<u>12:37</u>	<u>12:40</u>	
"	<u>11</u>	<u>39</u>	<u>B</u>	"	"	<u>3.39</u>	<u>122</u>	<u>12:45</u>	<u>12:52</u>	<u>12:54</u>	
"	<u>12</u>	<u>40</u>	<u>C</u>	"	"	<u>3.40</u>	<u>124</u>	<u>1:00</u>	<u>1:07</u>	<u>1:10</u>	
"	<u>13</u>	<u>41</u>	<u>D</u>	"	"	<u>3.41</u>	<u>126</u>	<u>1:15</u>	<u>1:22</u>	<u>1:24</u>	



- formulate methods for preventing deviations;
- develop procedures for correcting potential deviations;
- implement an effective record keeping and review system;
- perform calculations for evaluating process deviations;
- establish testing parameters for deviation simulations; and
- develop a comprehensive deviation management system.

Who Should Attend:

Personnel working with low-acid canned foods in the following areas would greatly benefit from attending this workshop:

- Thermal processing / process engineering
- Quality control / assurance
- Retort or aseptic system supervision
- Production management / supervision
- HACCP coordination

Hotel Reservations

GMA has negotiated discounted room rates that are made available exclusively to GMA visitors who are traveling to Washington, DC and require hotel accommodations. Please refer to the attached document, **Flyer_HotelsDC_09.pdf**. More travel information is available on GMA's website; please visit www.gmaonline.org and click on "Visitors Info."

Airport Information:

The airport closest and most convenient to GMA is **Ronald Reagan Washington National Airport (DCA)**. If flying into DCA Airport, the best ground transportation routes would be utilizing Washington's Metro system or taxi. Alternate airport options would be **The Baltimore Washington International Airport (BWI)** or **Washington Dulles International Airport (IAD)**.

For Conference Registration / Information

Registration Information:

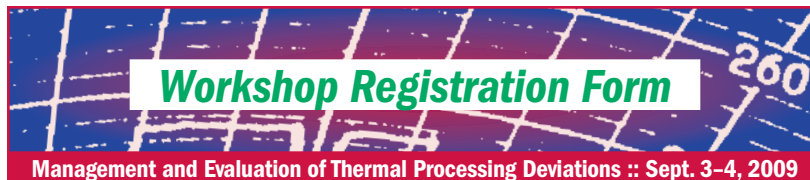
Melodi Jenkins :: 202-639-5928 :: mjenkins@gmaonline.org

Workshop Information or Questions:

Glenn Black :: 202-637-8054 :: gblack@gmaonline.org

All attendees will receive the workshop notebook and handout materials as well as a certificate of participation.

**SPACE IS LIMITED TO 25 ATTENDEES—
EARLY REGISTRATION IS STRONGLY ADVISED**



Attendee Name: _____

Badge Name: _____

Title: _____

Company: _____

Company Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ FAX: _____

E-mail: _____

Cancellation & Refund Policy

Registration fees, minus a \$50 administrative fee, will be refunded if we receive notification of your cancellation 15 days prior to the start of the workshop. No refunds will be made after that date; however, substitutions may be made at any time. The course may be cancelled if we do not receive sufficient registrations 15 days prior to the start of the workshop. In the event that the course is cancelled, GMA will refund registration fees, but will not be held responsible for any airfare, hotel, or other related costs incurred by registrants.

Please check the appropriate box.

Individual registrants

- GMA Member (\$800) Non-Member (\$950)
 Government/University (\$800)

Method of Payment

(Payment must accompany registration form. Faxed registration forms will be accepted only when credit card payment information is provided.)

- Check (payable to "GMA")
 Please charge \$ _____ to my credit card.
 AmEx MasterCard Visa

Name as it appears on credit card: _____

Credit Card #: _____

Exp. Date: _____ Security Code: _____ Signature: _____

Credit Card Billing Address: _____

Please mail or fax your completed registration form to:

Melodi Jenkins, GMA

1350 I Street, NW, Suite 300, Washington, DC 20005

Phone: 202-639-5928 :: Fax: 202-639-5902 :: Email: mjenkins@gmaonline.org