

UNITED STATES DEPARTMENT OF AGRICULTURE

In the Matter of:)
)
NATIONAL ADVISORY COMMITTEE ON)
MEAT AND POULTRY INSPECTION)
MEETING)

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 MEETING)

Ballrooms B and C
 Loew's L'Enfant Plaza
 480 L'Enfant Plaza
 Washington, D.C.

Tuesday,
 October 31, 2000

The hearing in the above-entitled matter was
 convened, pursuant to notice, at 8:42 a.m.

APPEARANCES:

Attendees:

- THOMAS J. BILLY, Chairman
- CHERYL GREEN, Coordinator
- YOLANDA LUCAS
- SHEILA NOVAK
- MICHAEL MAMMINGA
- CAROLINE SMITH DEWAAL
- DALE MORSE
- TERRY BURKHARDT
- DONNA RICHARDSON
- JAMES DENTON
- CHERYL HALL
- LEE C. JAN
- ROSEMARY MUCKLOW
- NANCY DONLEY

GARY WEBER
COLLETTE SCHULTZ KASTER
ALICE JOHNSON
MAGDI ABADIR
KATHLEEN HANNIGAN
JUDITH RIGGINS
RONALD HICKS

APPEARANCES: (cont'd.)

Attendees:

CATHERINE WOTEKI
CAREN WILCOX
KAREN HULEBAK
MICHAEL GRASSO
CAROL TUCKER FOREMAN
CHARLES GIOGLIO
YVONNE DAVIS
JANE ROBENS
JEANNIE AXTELL
PATRICIA STOLFA
DANNY LAZENBY
JERRY GILLESPIE
JAMES LINDSAY
CAROL MOSCA
MARK MINA
FELICIA NESTER
DALE BOYLE
STAN EMLING

P R O C E E D I N G S

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(8:42 a.m.)

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MS. GREEN: We're about to start the meeting. I would like to take this opportunity to welcome everyone to the National Advisory Committee on Meat and Poultry Inspection meeting.

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My name is Cheryl Green, and I'm coordinator of this meeting. Yolanda Lucas, sitting at the table, is assisting me. There are several agency personnel out at the registration desk, Lois Thomas, Mary Lou Brown and Judy Hall. If you have any questions or concerns, you can just go outside the door and talk to them.

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The phone line to the registration desk is, and you may want to make note of this, (202) 646-4423. This number is for incoming calls only. If someone calls you, your message will be posted on the board right outside the door. Public phones are located right down the hallway, along with the restrooms.

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The public is invited to make comments at the end of each day. We do ask that you sign the registration book outside the door and also sign the public comment sheet.

1 We would like for the committee to speak into the
2 microphones so the transcriber can catch every word that you
3 say, and at this time I would like to turn this meeting over
4 to our chair, Mr. Thomas Billy, administrator of the Food
5 Safety and Inspection Service. Mr. Billy chairs the
6 committee, and Dr. Catherine Woteki, Undersecretary of
7 Agriculture for Food Safety, will address the committee on
8 current food safety issues.

9 Thank you.

10 MR. BILLY: Okay. Thank you very much. It's good
11 to see all of the committee members again. Welcome to
12 Washington. It's a great time of the year to be here.
13 We've had spectacular weather, although we intend to keep
14 you pretty busy, so I don't know if you'll have much of a
15 chance to enjoy it.

16 I also would like to welcome all of the rest of
17 you that are attending this meeting. This is a meeting of
18 the National Advisory Committee on Meat and Poultry
19 Inspection. This committee was established back in 1971,
20 and it's required by both the Meat Act and the Poultry
21 Products Inspection Acts. This committee advises the

1 Secretary of Agriculture with regard to important issues
2 involving federal and state programs related to meat and
3 poultry inspection, as well as other issues related to
4 products, product labeling, product standards and so forth.

5 This committee is designed to serve as a forum for
6 discussion of issues, important issues that are currently
7 being addressed by the agency or the administration, and we
8 look forward to once again getting advice from this
9 committee on several important issues that we have jointly
10 identified.

11 I think that this is an important opportunity as
12 well because while a lot of progress has been made in terms
13 of the initial phases of HACCP and pathogen reduction
14 implementation under the pathogen reduction and HACCP
15 regulation that was finalized back in 1996, there's still
16 room for improvement. At least two of the three issue areas
17 that we've asked the committee to consider are directly
18 related to the next steps that we need to take in terms of
19 further improving the value of HACCP and pathogen reduction
20 efforts to consumers.

21 Specifically, the subcommittees have been asked to

1 look at three issues. They're in the agenda, but just to
2 highlight them at the beginning of this meeting, the first
3 relates to sharing recall information with state and other
4 federal government agencies. There are several issues
5 related to this that we want to lay out and then have the
6 committee consider them and make their observations and
7 recommendations.

8 The second issue area is what we have dubbed HACCP
9 Phase II. Some people like that name. Others don't. The
10 concern is that this isn't a totally new approach to what we
11 know of or what we consider to be HACCP. Instead it's a
12 refinement and improvement, and it's important that that be
13 clearly communicated, but there are several issues there.

14 The agency is in the middle of a process to
15 identify what it thinks needs to be focused on over the next
16 two to three years, and through bringing this issue to this
17 committee, as well as our plans for a public meeting, we
18 want to have a good interchange in terms of the input from
19 all interested parties.

20 And then finally, another issue related to HACCP,
21 but also important on its own account, is the residue

1 control concerns in a HACCP environment. By that we mean
2 given the changes that have been made in terms of HACCP and
3 the role of the industry, we are now beginning the process
4 of reconsidering how residues, pesticide residues, drug
5 residues, all other types of residues of that type, ought to
6 be addressed in a HACCP environment or a HACCP framework.

7 We will charge each of the three subcommittees
8 under this full committee with the challenge of addressing
9 these issues after full briefings during the day today.

10 This meeting is open to the public. The public is
11 invited to provide comment. We will have a comment period
12 later today, and if you're interested in commenting you
13 should notify the desk outside of this room.

14 To kick things off, what we'd like to do is now
15 turn the microphone over to Dr. Catherine Woteki. She is
16 the Undersecretary for Food Safety in the Department of
17 Agriculture, and she will address current food safety
18 issues, as well as the status of the President's food safety
19 initiatives, so with that I'd like to invite Dr. Woteki to
20 take the microphone and kick off our discussions today.

21 MS. WOTEKI: Thank you very much, Mr. Billy. I'd

1 like to add my words of welcome as well to the committee and
2 to all of those of you who are here as observers.

3 This is probably -- well, it is -- the last
4 meeting that this committee is going to be meeting as it is
5 currently constituted. As you know, the committee charter
6 is up for renewal, as well as a review of the membership and
7 appointments of some of the members of this committee. Some
8 of you will be reappointed and there will be some
9 refreshment of the membership with some new members, so all
10 of that is currently in process, and Mr. Billy is going to
11 talk about this committee renewal immediately after my
12 remarks.

13 I did want to take the opportunity on behalf of
14 the Secretary, Dan Glickman, to extend to all of you his
15 thanks and appreciation for the work that you have done on
16 this committee over the last two years. The recommendations
17 of this committee to the Secretary have been very important
18 as he's thought about the agenda of work in food safety.

19 They've been very important to me also, so I have
20 very much appreciated the opportunity to participate in the
21 meetings of this committee, and I have also very much

1 appreciated your written recommendations as they have been
2 crafted by you in such a very thoughtful way in your work as
3 members of this committee.

4 Your advice and recommendations then have been
5 important to the Secretary, to myself, as well as to the
6 agency, and I think many of the initiatives that FSIS has
7 undertaken over the last couple of years do reflect the
8 discussions and the recommendations of this committee.

9 One example of the work that you have done that I
10 think is really going to set a good example for the future
11 is the work that you did on developing the concept paper for
12 the interstate shipment of state inspected product. I
13 hasten to note that while it may not have been passed into
14 law, the committee established a very good process that can
15 be used again in the future for legislative initiative, and
16 in fact that process is being used right now by the
17 committee as you're examining the whole question of amenable
18 species, so that is a topic that is on the agenda later on
19 for discussion by the committee.

20 I'd like to point out also that as you developed
21 in working with FSIS in the development of the concept paper

1 on interstate shipment, you helped to identify a number of
2 very important issues of concern, and the concept paper
3 changed over time to reflect those issues of concern.

4 One of the examples that I frequently point to
5 when I talk to other groups about the type of advice that we
6 get from this committee, as well as from the Micro
7 Committee, is to point out that this committee was very
8 insistent that salmonella testing remain a responsibility of
9 FSIS in order to insure consistency across the country and
10 that the bill as it was drafted by the Administration did
11 reflect that recommendation from this committee.

12 Now, as you're approaching a renewal on the part
13 of the membership of the committee, I want all of you to
14 understand that there will be no dearth of issues for that
15 new renewed committee to take up in coming weeks and months.

16 As Tom Billy said in his opening remarks, there is a
17 considerable amount of room for improvement, and that's
18 clearly a role that is an important one to consider, for the
19 new committee to consider. What are those rooms for
20 improvement?

21 The agenda for today's meeting reflects the fact

1 that the industry and the agency achieved a very significant
2 milestone just this year with the completion of the
3 implementation phase of HACCP. This process, from my
4 perspective, has been very successful, and I refer to three
5 measures of success, the three things that I've been
6 watching over the last three years, as industry and the
7 agency have moved forward in that implementation.

8 The first measure has been pathogen reduction, and
9 the data coming from the salmonella performance tests with
10 respect to prevalence of pathogen in products is one measure
11 of pathogen reduction. It's been, as you know, in the range
12 of 25 to 50 percent, depending on the product.

13 A second measure of pathogen reduction are the
14 data that the Centers for Disease Control have been
15 collecting on food borne illnesses, and CDC has attributed
16 some of the declines in food borne illness to the
17 implementation of HACCP.

18 The second measure of success that I've been
19 following has been industry compliance, and we've seen at
20 each stage of implementation of HACCP the large, small and
21 very small plants over the last three years, that there has

1 been a very, very high level of industry compliance, well
2 over 90 percent in each of those three stages.

3 The third measure of success that I've been
4 following has been the effect of HACCP implementation on the
5 structure of the industry, and there has been an enormous
6 amount of concern about concentration in agriculture and in
7 the food industry, and in this case there was also an
8 enormous amount of concern about HACCP implementation and
9 its effects particularly on the small and the very small
10 plants.

11 I was very pleased to see that there were very,
12 very few closings that were attributable to HACCP
13 implementation, so the overall effect on the structure of
14 the industry has been so minute as to be not really
15 something worth comment.

16 Both I think the industry and the Food Safety and
17 Inspection Service deserve considerable credit for this
18 success, and despite having reached this very significant
19 milestone of HACCP implementation clearly the job isn't
20 done. HACCP was never intended to be static, and FSIS
21 certainly realizes that there are many aspects of HACCP that

1 require review, evaluation, improvement and refinement. The
2 Secretary and the agency will need help from this committee
3 as FSIS considers the next steps for HACCP, and, as Tom
4 commented, that is being talked about under the name HACCP
5 Phase II.

6 In addition, HACCP implementation did not extend
7 into all aspects of plant operations, and there clearly
8 remains a considerable agenda of work to be done to extend
9 HACCP to the slaughter line with the approach that the
10 agency has taken of experimentation through the models
11 project.

12 FSIS is working towards mandatory HACCP for egg
13 products as well as another indicator of further work to be
14 done, so there's a very large agenda of topics for which we
15 will be seeking advice from this committee, as well as from
16 the National Advisory Committee on Microbiological Criteria
17 for Foods.

18 Now, I'd also like to note that there have been
19 some very significant challenges to HACCP implementation and
20 to its extension into slaughter operations. I'm referring
21 to the legal challenges presented to the agency's

1 enforcement of the salmonella performance standard and to
2 the models project, and today's agenda is actually designed
3 to provide you with some briefings on both of these topics.

4 I'd like to say that I really can't close without
5 mentioning the activities of the President's Council on Food
6 Safety. At the last couple of meetings of this committee,
7 I've provided you with updates and fairly substantive
8 discussions of what was underway within the Council,
9 particularly as it related to the work on strategic
10 planning. Unfortunately, I don't really have much to report
11 this morning on this topic other than to say that the
12 strategic plan is under review.

13 As you will recall, there were three parts or
14 there are three parts to the strategic plan. One is a
15 five-year plan of work that includes and cuts across all of
16 the federal agencies with responsibilities in food safety
17 and considerably focuses as well on strengthening those
18 working relationships with states.

19 The second part of the plan deals with
20 organizational structures for food safety within the federal
21 government, and the third part of the plan focuses on need

1 for legislative change. These last two areas are the ones
2 that are clearly very controversial. As a result, the
3 process of approval hasn't moved as rapidly as I might have
4 hoped when I spoke with you last, but I remain very
5 optimistic that there will be a report that will be issued
6 in the next several months.

7 As always, I look forward to the discussions of
8 this committee. There will be several presentations that
9 are going to provide you with more background, in addition
10 to the written materials that you've received for review,
11 and I also want to give you in advance my apologies. I'm
12 going to have to leave at noon time today. There are
13 several members of the European Parliament who are in town
14 with which I will be meeting this afternoon to talk about
15 food safety, but I'll be able to return late this afternoon
16 to rejoin the meeting.

17 Once again, my thanks for all of the hard work
18 that this committee has done over the last two years, and I
19 would at this point return the speaker's responsibility over
20 to Tom Billy, who's going to do a brief review on the
21 meeting agenda and then also, as I had indicated earlier,

1 talk about the committee renewal and where that stands.

2 MR. BILLY: Are there any questions from the
3 committee regarding Cathy's comments or any other questions
4 you'd like to ask Cathy while she's here?

5 Yes, Rosemary?

6 MS. MUCKLOW: Do you have any data or how can you
7 back up the statement that there were very few closings
8 attributed to HACCP? Could you tell us how you came to that
9 conclusion?

10 MS. WOTEKI: Certainly, Rosemary. As HACCP
11 implementation began, one of the things that I asked the
12 agency to do was to collect information on plants that were
13 closing and particularly for the small and the very small
14 plants, so there was a system set up to maintain data on the
15 reasons that plant owners gave for closing, so there is a
16 very good set of data to substantiate it.

17 MS. MUCKLOW: Is that data available?

18 MS. WOTEKI: Uh-huh.

19 MS. MUCKLOW: Could we be provided with it?

20 MS. WOTEKI: Certainly.

21 MS. MUCKLOW: Thank you.

1 MR. BILLY: Caroline?

2 MS. SMITH DEWAAL: Thank you. Caroline Smith
3 DeWaal, Center for Science in the Public Interest. Thank
4 you for your remarks this morning, Dr. Woteki.

5 I'm excited that we're talking about HACCP Phase
6 II, but I'm still stuck back at HACCP Phase I and
7 particularly the fact that a year ago almost exactly I
8 criticized the Department for the fact that we still don't
9 have salmonella testing going on for the turkey industry.

10 We're approaching the time of year again when a
11 lot of turkeys are being produced and a lot of consumers
12 will be buying and eating turkeys as part of their holiday
13 festivities. Where is the Department of that?

14 You know, at the time that the HACCP rule was
15 implemented we were promised that there were a few species
16 that you didn't have salmonella criteria or salmonella
17 performance standards and testing in place, but you promised
18 that would be done quickly. It was really quite -- you just
19 needed the baseline data. That's all been done. We've had
20 baseline data for a couple of years. Why no standards? Why
21 no testing in the turkey industry?

1 MS. WOTEKI: Caroline, as I had indicated, there
2 are certainly some areas of HACCP implementation where
3 there's more work that needs to be done, and you've pointed
4 out one case in point.

5 Tom, do you want to add this to the agenda, or do
6 you want to make a comment about the status of
7 implementation right now?

8 MR. BILLY: First, perhaps I could call on Judy
9 Riggins to provide us more specific information in terms of
10 where we stand on any rule making in this area.

11 MS. RIGGINS: My current knowledge is that we are
12 working to develop the construct for the salmonella
13 performance standard. Dan Englejohn's group is working on
14 that. It is in the queue. It is something that we are
15 actively putting resources to.

16 I can find out, you know, a better reading of when
17 we might be moving toward an actual written document, but I
18 know that we are working with Kay Watson at the Office of
19 Science and Public Health to establish the basis for the --
20 to actually lay out the framework, you know in the document,
21 so I will find out the status of the ongoing work and give

1 you a report later on this afternoon.

2 MR. BILLY: Okay. Are there other questions or
3 comments? Katie?

4 MS. HANNIGAN: With the upcoming Presidential
5 election, regardless of who wins that do you anticipate the
6 President's Council, their agenda, their itinerary, will
7 change significantly, or do you think it will stay on course
8 regardless of who is elected?

9 MS. WOTEKI: Well, I think it's worthwhile to
10 point out that the President's Council is established by
11 Executive Order, so the President's Council itself will
12 remain in effect until that Executive Order is changed, so
13 our anticipation is that there will be a President's
14 Council.

15 With respect to the work that has gone on so far,
16 I think in particular the strategic plan, that process,
17 because of the involvement, the enormous public involvement
18 and the very active participation of the states, that there
19 are within the strategic plan the directions that need to be
20 taken to strengthen the food safety system regardless of who
21 the new President will be and what the new Administration

1 will be, so I think that the strategic plan is going to live
2 on, and certainly very large parts of it are going to
3 continue to provide an agenda for the food safety agencies
4 at the federal and the state levels.

5 MR. BILLY: And I'd like to add to that and use an
6 example. Sitting from my perspective as administrator of
7 one of the regulatory agencies, I found that Council
8 invaluable in terms of opening the door for a process that
9 allowed us to develop an integrated egg safety plan for a
10 product category where jurisdiction is divided up among a
11 number of agencies.

12 As a result of that Council and the process that
13 it represents, I think we were able to come up with a very
14 innovative and I believe we'll find a very effective
15 strategy for dealing with the food safety issues related to
16 shell eggs and egg products, so I'm sure that example and
17 other examples will be considered by a new Administration in
18 terms of the value that can be derived from having such a
19 Council to integrate the food safety activities of the
20 federal government.

21 MS. WOTEKI: Another footnote to that is the

1 agenda for today's meeting reflects a number of the ideas
2 and important concepts that are in the strategic plan. The
3 sharing of information with state and other federal
4 government agencies is very important to how agencies can
5 work together at the federal level, as well as exchanging
6 information with states when there are outbreaks of food
7 borne disease. That's part of the strategic plan.

8 Also, the closer coordination of development of
9 research priorities with the research agencies is also an
10 integral part of the strategic plan. The first of the goals
11 relates to the scientific basis for food safety, as well as
12 risk assessment, and the Joint Institute for Food Safety
13 Research is part of the work of the Council, so your agenda
14 reflects already key aspects of what is in the strategic
15 plan and has for a while.

16 MS. WILCOX: I'd just like to point out also that
17 --

18 MS. WOTEKI: Identify yourself.

19 MS. WILCOX: Caren Wilcox, Deputy Undersecretary.
20 That food safety has really become a worldwide discussion
21 and effort, and regardless of the election here our

1 President discusses food safety at the G-8 every year now.

2 It's not possible to sort of go back in terms of
3 discussions, certainly not internationally, so I think that,
4 you know, there's a constant discussion of building food
5 safety systems at a national level, and we're communicating
6 with other governments constantly about their efforts that
7 they're interested in.

8 We're going to do that today at lunch, so this is
9 an issue that has grown in interest worldwide, and it will
10 continue that way.

11 MR. BILLY: Okay. Well, thank you. Thank you
12 very much.

13 I would now like to call everyone's attention to
14 the agenda. It has some comments on the agenda. First off,
15 we've attempted to follow the same basic format that we've
16 used in the committee for the past several meetings, so in
17 that sense it ought to look familiar to you. However, we've
18 also made an attempt to bring more focus to the key issues
19 for discussion and to limit the agenda so that we're not
20 loading too much on the committee.

21 It's more important, we believe, and you have

1 certainly stressed this desire, to have ample time to
2 discuss the key issues that you've been asked to focus on,
3 to have the information in advance and then to be able to
4 play your valuable role of giving advice to the Secretary in
5 these important areas.

6 If you look specifically at the agenda, after this
7 opening period we will have briefings as usual to provide
8 updates in terms of the National Advisory Committee on
9 Microbiological Criteria for Foods. We also are providing
10 at this time an update on the antimicrobial resistance task
11 force. This is an interagency task force in the federal
12 government.

13 Then we're going to provide an update on the
14 dioxin working group, which is another important food safety
15 issue that is coming to the fore once again, and then
16 finally we're going to start into the more specific issue
17 discussions and focus on the HACCP based inspection models
18 project, then the recall information sharing area and then
19 HACCP Phase II.

20 To finish up today, we will then shift and provide
21 some additional briefings, some of which were requested by

1 the committee, particularly provide you some important
2 information about the new Joint Institute for Food Safety
3 Research and then focus on an important research area that
4 is the research going on with regard to Campylobacter
5 jejuni.

6 At the end of the day we will open the mike for
7 public comment, and once again if the public is interested
8 in providing comment you are encouraged to notify the desk
9 outside the room.

10 Then this evening, as always, we keep the
11 committee's nose to the grindstone. We will have three
12 subcommittee meetings, one on each of the three areas, and
13 if you have any question about which subcommittee you're
14 part of you can look in your briefing book. I believe it's
15 under Tab 4.

16 FEMALE VOICE: Three.

17 MR. BILLY: Tab 3?

18 FEMALE VOICE: Tab 3.

19 MR. BILLY: Tab 3. Again, you're welcome to if
20 you finish your work early in one of the subcommittees,
21 you're encouraged to if you still have the energy to go over

1 to one of the subcommittees and provide input as well.

2 Looking to tomorrow then, we will focus on hearing
3 reports out of the subcommittees. This is an important part
4 of our process because the subcommittees meet simultaneously
5 so it is important that the full committee have an
6 opportunity to hear the results or recommendations of the
7 subcommittee work and to have that full committee discussion
8 on each of these items and focus in particular on the
9 recommendations that are developed by the subcommittee for
10 endorsement by the full committee.

11 We then will follow up with a couple more
12 briefings. One agenda item that's been on our agenda for
13 the past couple of meetings, this is extending the USDA's
14 inspection program to the non-amenable and exotic species,
15 and there are some new developments in this area that are a
16 result of our Appropriations Act that was just signed by the
17 President, and then another briefing in terms of our
18 approach to the area of other consumer protections. What
19 that refers to is the non-food safety consumer protection
20 activities that are part of the meat and poultry Acts and
21 are part of our inspection activities.

1 Then we'll have another opportunity for public
2 comment and input and then wrap up this meeting of the
3 Advisory Committee.

4 Are there any questions regarding the agenda?
5 Yes, Lee?

6 MR. JAN: Mr. Billy, if I remember from last
7 meeting we asked that FDA be invited to talk about their
8 position on the nitrite/nitrate issue and non-amenable
9 species, particularly if their views or how their views have
10 changed following the Toxicology Committee report.

11 MR. BILLY: Yes.

12 MR. JAN: I wonder if there's a reason why they're
13 not on the agenda?

14 MR. BILLY: Well, we actually have made an
15 arrangement for that, and during Robert Post's briefing Dr.
16 George Pauley from the Food and Drug Administration will
17 present FDA's current thinking on the area of nitrite and
18 nitrate as it relates to non-amenable species.

19 MR. JAN: Thank you.

20 MR. BILLY: Rosemary?

21 MS. MUCKLOW: I'd just like to say, and I think

1 several people may echo the thought, these are better digs
2 than you've taken us to before. We like it a lot.

3 MR. BILLY: I don't see anything dangerous above
4 your head, so that is an improvement. All I can say is they
5 must have lowered their prices. Thank you.

6 Any other comments? Okay.

7 Let me talk very briefly about committee renewal,
8 where that stands. The committee's charter expires on
9 March 21, 2001, so we are currently at the stage of
10 submitting the charter to the Department for review and
11 renewal or approval. This is a formal process that occurs
12 with committees of this type. The charter is currently in
13 review at the Department, and we expect that that will be
14 completed on a timely basis to renew the committee before it
15 expires.

16 In a similar manner, we started this past summer
17 to request nominees for the committee, as well as to
18 determine which of you currently on the committee are
19 interested in serving another term. We got a lot of
20 interest in this committee. Many, many people submitted
21 their names or others submitted their names on their behalf.

1 We've completed the process of identifying a
2 potential roster for the renewed committee. That, too, has
3 been sent forward to the Department, and our expectation is
4 that the new members of the committee will be known sometime
5 in the new year, obviously prior to the expiration date.

6 So that process is underway. It's complicated a
7 little in the context that there is a Presidential election
8 this year and there will be a change of Administration, but
9 this is such an important committee to the agency and the
10 Department that I expect that we will see this move forward
11 and be completed on a timely basis.

12 Are there any questions about the renewal process?

13 No? Okay.

14 Then I'd like to move on, and the last item under
15 Opening Session is an update on the Supreme Beef case. To
16 provide you this update, we have invited Sheila Novak. She
17 is the staff attorney in the Office of General Counsel at
18 the Department that has been extensively involved in this
19 case, and she will provide you an update in terms of the
20 status of the case at this time.

21 Sheila?

1 MS. NOVAK: Good morning, everyone. As I'm sure
2 you are all aware, in early September USDA filed a notice of
3 appeal with the Court of Appeals for the Fifth Circuit. We
4 also filed at that time a motion requesting that the appeal
5 be heard on an expedited basis.

6 On September 27, Supreme filed a petition for
7 Chapter 11 bankruptcy in the Eastern District of Texas. On
8 the same date, they also filed a document which they called
9 Appellee's Suggestion of Bankruptcy with the Court of
10 Appeals for the Fifth Circuit.

11 The following day the Court of Appeals entered a
12 stay of the proceeding. Under the bankruptcy laws, this is
13 done pretty automatically. There are provisions for an
14 automatic stay of any judicial, administrative or other
15 proceeding against a debtor, and the stays are designed to
16 maintain a financial status quo of the debtor pending the
17 bankruptcy petition.

18 Actions involving exercise of police or regulatory
19 power are excepted as a matter of law from the automatic
20 stay provisions, so we don't believe that this is the type
21 of action that should have been subjected to an automatic

1 stay.

2 The following day, on September 29, Supreme ceased
3 operations at both its Ladonia, Texas, slaughter
4 establishment and its Dallas, Texas, processing plant, so
5 the status of the case as it stands right now is that the
6 stay has been entered, and it will continue to be stayed
7 until the government files a motion requesting that the stay
8 be lifted and there is a decision on that motion. We're
9 discussing at the current time, you know, our future
10 strategy in this case with our colleagues at the Department
11 of Justice.

12 Are there any questions?

13 MR. BILLY: Rosemary?

14 MS. MUCKLOW: I was curious. When the decision
15 was announced, and I don't remember the exact date, from the
16 District Court, and I think it was in May or maybe June, the
17 Secretary spoke about the need to move very quickly on the
18 case, yet the government took a full four months and on the
19 very last day of the four months filed an appeal.

20 I didn't quite understand the extreme expressions
21 of concern by the government and then this long delay before

1 the government filed its appeal and then followed the appeal
2 with a request for an expedited hearing.

3 Maybe you could explain the four months and how
4 that all happened.

5 MS. NOVAK: Yes. Well, there is a process that we
6 have to go through in any case to request an appeal. It has
7 to happen at the Department level, and it has to happen at
8 the Department of Justice level.

9 As you can well imagine, there was a lot of
10 discussion about this particular case and so that worked its
11 way through the process, and we did file the notice of
12 appeal. The Justice Department does not believe that filing
13 on the last day would in any way impact the motion for
14 expedited appeal.

15 MR. BILLY: Cathy, would you like to add to this?

16 MS. WOTEKI: Well, I think Sheila really did a
17 very good job in explaining what the situation was.
18 Certainly the Secretary's expression of his level of concern
19 did reflect our position throughout, and, as Sheila
20 indicated, though, it is not a simple process to reach and
21 put together an appeal, and we very carefully constructed

1 that so I think you did a good job in responding.

2 MR. BILLY: Caroline?

3 MS. SMITH DEWAAL: Caroline Smith DeWaal, CSPI.
4 Tom, perhaps you might be the person best suited to answer
5 this. What is the status of the sampling program for
6 salmonella in the Northern District of Texas or the district
7 where the District Court ruling came out?

8 MR. BILLY: Okay. The status is the same as the
9 status anywhere else in the United States. We are
10 continuing to take samples, sample sets from plants
11 throughout the country, and are encouraging, you know, the
12 industry to comply with the performance standards as they're
13 contained in the regulation.

14 The process that we are following has been amended
15 somewhat in that our current policy is that once a plant has
16 failed its second salmonella sample set that triggers an
17 in-depth review by the agency. This committee has been
18 briefed on in-depth reviews and what they're about and the
19 format for them.

20 We think that's an important step and a shift in
21 our approach in that it allows both us and the plant to look

1 very thoroughly at any problems that might exist in the
2 HACCP plan and the critical control points and critical
3 limits and the other issues that may be contributing to why
4 we are seeing those outcomes in terms of the sampling of the
5 salmonella.

6 This policy has been in effect now for some
7 months, and we think it will provide a basis to allow plants
8 to make appropriate decisions that will bring different
9 results hopefully in terms of a third sample set that is
10 inevitable once there's a second sample set failure. I
11 think that's a change that we made, but, nonetheless, what I
12 said at the outset. We continue to collect samples
13 throughout the country and are following the regulation as
14 it's written.

15 MS. SMITH DEWAAL: Just a follow up, if you don't
16 mind. You used a word that concerns me, and that is we're
17 encouraging plants --

18 MR. BILLY: Uh-huh.

19 MS. SMITH DEWAAL: -- to comply with the
20 regulation. I mean, there were allegations, and I don't
21 know if the Department published anything on this, but that

1 Supreme Beef failed the fourth set of salmonella tests after
2 -- while it was still operating. I don't know whether it
3 was before or after the District Court decision. That to me
4 indicates a real continuing gap in food safety protections.

5 Are gaps like that occurring today? Is that a one
6 in a -- you know, was that a one time situation, or do we
7 have an ongoing problem with the salmonella performance
8 standard not being fully enforced and plants repeatedly
9 failing sampling sets?

10 MR. BILLY: The current picture is that there are
11 three plants nationwide to date that have failed three
12 salmonella sample sets. In only one of those three
13 instances did a plant fail a fourth sample set after the
14 plant had made necessary and appropriate changes to their
15 HACCP plan and control measures. The other two plants
16 passed the fourth set without any problem whatsoever, and
17 I'm sure that's attributable to the adjustments and changes
18 that they made to their operations.

19 So we do not have any gap, and, you know, as we
20 continue to take samples with the policy change I described
21 earlier I think that we'll see less of an opportunity or

1 likelihood that we'll see that kind of situation reoccur. I
2 think we have a better strategy and approach at this time.

3 Nancy, and then Rosemary?

4 MS. DONLEY: Thank you. Nancy Donley from STOP,
5 Safe Tables Our Priority.

6 Kind of following on Caroline's question, can you
7 tell us how many other plants within this district are
8 currently undergoing salmonella sampling sets? Are there
9 any?

10 MR. BILLY: We can pull out that information. I
11 don't have that, but, as I said, we're continuing to sample
12 plants using a random strategy, and I'm sure there are some
13 plants in that area that are subject to the sampling regime,
14 but we can pull that information --

15 MS. DONLEY: I'd be interested in knowing that.

16 MR. BILLY: -- together and provide it to the
17 committee.

18 MS. DONLEY: Thank you.

19 MR. BILLY: Rosemary?

20 MS. MUCKLOW: I think it was a year ago this week
21 that we were presented with the in-depth review concept.

1 MR. BILLY: Uh-huh.

2 MS. MUCKLOW: One of the concerns that I expressed
3 at that time was that you would be likely taking enforcement
4 action, and it would not be appropriate to take enforcement
5 action on documents that were all stamped with the word
6 Draft.

7 Do we now have final documents describing the
8 in-depth review process that are published documents now
9 that it's a year later?

10 MR. BILLY: Yes. I'm going to defer to Judy
11 Riggins in a moment, but the fact is, Rosemary, that we
12 don't take regulatory action based on a protocol. We take
13 regulatory action based on a failure to comply with
14 regulations.

15 We did, as you said, about a year ago present a
16 draft protocol for these in-depth reviews. At the same
17 time, we indicated that we wanted to carry out a number of
18 additional in-depth reviews in a variety of plants to get
19 more experience with the protocol and make sure that it was
20 working effectively to achieve its intended purpose.

21 With that, let me defer to Judy to give us an

1 update on the status of the in-depth review process.

2 MS. RIGGINS: Based on the experience that we've
3 had over the last year, we have updated and currently have
4 in a second draft, or I guess it's actually a third draft --

5 MS. MUCKLOW: I'm sorry. I can't hear you.

6 MS. RIGGINS: A third draft, which incorporates
7 information that we have learned as a result of the in-depth
8 reviews that we've conducted.

9 We can make that document available as soon as we
10 get it through clearance in the agency, but keep in mind
11 that we have said that the in-depth review document itself
12 is going to be one that we will revise as we learn about
13 better ways to conduct the in-depth reviews. We are
14 learning from our experience.

15 We have not had any enforcement actions that were
16 the result of in-depth reviews. What we have done is in
17 those instances where the in-depth review report has been
18 provided to a company and we've issued a letter asking them
19 to please review the in-depth report and to come back to us
20 within 30 days, and we've had very good experiences thus
21 far. We've sat down with the companies, had phone

1 conferences and discussed the issues that were in the
2 in-depth review, clarifying any questions that they might
3 have.

4 That is the way that we've conducted, to my
5 knowledge, all of the in-depth review follow ups.

6 MS. MUCKLOW: So can I be clear? You've now got a
7 third draft, but it's not publicly available. When will it
8 be publicly available?

9 MS. RIGGINS: We can make it available as soon as
10 we get clearance. I believe it's in Tom's queue at this
11 point, but it is a living document. I hate that word, but
12 it's a living document. We are updating it and sharing with
13 -- and will be sharing with you what we've learned in that
14 document as we acquire that knowledge.

15 Keep in mind that this is not the final -- it
16 won't be the final final because as we learn more we will
17 update the document. That was the purpose of having
18 something in writing was to improve it over time.

19 MR. BILLY: That's fine. One other point. We are
20 talking about HACCP Phase II, and as part of that process,
21 which we'll talk more about shortly, it is our intent to

1 hold a public meeting probably sometime in December on this
2 subject area, and it is our intent to use -- make available
3 and use -- that public meeting as an opportunity for public
4 discussion regarding the current version of the in-depth
5 review, as well as a lot of other tools and strategies that
6 we're trying to develop currently to identify our approach
7 as we move forward.

8 I think we're on the same course that we indicated
9 earlier, and there will be further opportunity for input on
10 this particular tool that we have available.

11 MS. MUCKLOW: Could I just --

12 MR. BILLY: Yes?

13 MS. MUCKLOW: -- make one final comment? Dr.
14 Woteki referred earlier to why is concentrating occurring
15 and is any of it attributable to HACCP implementation. One
16 of the reasons that concentration in the meat and poultry
17 industry is occurring is because of regulatory uncertainty.
18 Regulatory uncertainty occurs when people don't know what
19 to expect.

20 People want to know what the rules are so that
21 they can meet and comply with the rules, but it is

1 constantly a moving target and something that is nebulous
2 and without firm, clear understanding. It is very
3 concerning, particularly to very small plants, and we have a
4 lot of small plants. Those are the people that were most
5 concerned about concentration because concentration occurs
6 when the plant continues, but is owned by somebody larger
7 who has just bought them up because they couldn't face that
8 regulatory uncertainty any longer.

9 When several FSIS officials, most of them with
10 degrees and who come from Washington or Omaha or whatever,
11 arrive on your doorstep to conduct an in-depth review it
12 scares the bejeebers out of people, and that is the
13 atmosphere of regulatory uncertainty with those people. Why
14 should I have to do this? You know, let's sell out to one
15 of the big guys and let them take the ticket for this.

16 I would encourage you most strongly to be very
17 forthright and clear with the working documents that you're
18 working from. If you've got people out there conducting
19 your review on a certain protocol I think it's very
20 appropriate and important that the inspected industry know
21 that expectation so that they know what to expect and have

1 to beat.

2 MR. BILLY: Okay. Just one brief comment, and
3 then I want to call on Caroline.

4 Rosemary, I don't think there's anything nebulous
5 at all about our HACCP and pathogen reduction rule.

6 MS. MUCKLOW: I'm talking about in-depth reviews.

7 MR. BILLY: I understand what you're talking
8 about. What the review is is a process to determine
9 compliance with that regulation. A plant that has
10 established the HACCP plan and other procedures to address
11 the requirements in that regulation has nothing to fear in
12 terms of in-depth review.

13 When plants get into problems, and most often now
14 we're doing in-depth reviews because of failures of the
15 HACCP system, we think it's appropriate that we establish a
16 protocol for ourselves. I certainly agree with you that it
17 is important that we inform everyone of the procedures that
18 we're following. As I already indicated, it is our intent
19 to continue to do that as we have already done here at this
20 committee and in other venues.

21 I think this is an important area. It is an

1 important tool that we will continue to us as we move
2 forward, and we intend to follow the strategy that I
3 indicated earlier.

4 Caroline?

5 MS. SMITH DEWAAL: Thank you, Tom. Caroline Smith
6 DeWaal, CSPI.

7 I am just struck by the fact that this in-depth
8 review following on the second round of test failures is a
9 little bit like hand holding by the government. You're
10 walking into a plant. They've had a failure. You're
11 looking around. You're saying well, maybe you could do this
12 better or that better. In a way I thought the whole effort
13 towards HACCP was to move away from that hand holding.

14 The one thing I would ask is that the third set of
15 salmonella tests not be delayed as a result of this in-depth
16 verification review. We, as in the public, were under
17 protected by this agency in the Supreme Beef situation when
18 the plant had failed two tests, rounds of tests. They
19 failed them badly, and they were still selling meat to the
20 school lunch program.

21 The public expects better protection than that, so

1 I think, you know, the agency drafted a regulation that
2 allows three strikes and you're out, and that system is I
3 think extraordinarily lenient to the industry and the
4 companies that are failing that test, so I think, you know,
5 the agency can do the in-depth verification. That's
6 probably a good regulatory choice, but it shouldn't delay by
7 one day the commencement of the third set of tests.

8 Another question. When you said there was one
9 plant that had failed four sets, and I mentioned that we had
10 heard that Supreme may have failed the fourth round of
11 tests, perhaps you could just tell me if that plant is
12 currently operating?

13 MR. BILLY: Yes. That was in fact the Supreme
14 processing plant in Dallas, Texas, that failed the fourth
15 sample set.

16 MS. SMITH DEWAAL: Okay. Thank you.

17 MR. BILLY: I'm going to move on to the next part
18 of the agenda. I'd like to thank Sheila for her update.

19 The next item on the agenda focuses on a number of
20 important areas that interface with the Food Safety and
21 Inspection Service in various ways. There are three update

1 subject areas. Dr. Karen Hulebak, our senior scientist,
2 will be providing these updates. We're going to allocate
3 about a half hour, so that's ten minutes per topic. I'm
4 working hard this time to keep us on schedule.

5 At this time it's my pleasure to turn the mike
6 over to Karen.

7 MS. HULEBAK: Thank you, Mr. Billy, and good
8 morning to all of you. My first topic for the 30 minutes
9 I've been allocated and that I will try to surprise you by
10 taking less of is an update from the National Advisory
11 Committee on Microbiological Criteria for Foods.

12 My first order of business is to introduce to you
13 the new permanent executive secretary for the Micro Advisory
14 Committee sitting to my right, Dr. Carol Mosca. Carol came
15 on board about three months ago. That's about right. She
16 has a Ph.D. in Toxicology and Pharmacology from George
17 Washington University. She comes to FSIS after six years
18 directing the program of study in toxicology and risk
19 assessment at the National Academy of Sciences, so she
20 brings to this committee expertise in risk assessment, which
21 is a subject that is coming increasingly to the attention of

1 the Micro Advisory Committee.

2 Of course, through her extensive experience in
3 directing that program at the Academy she brings intensive
4 and extensive experience managing committees of very high
5 powered experts, so we're very, very pleased to have her
6 here. Prior to being at the National Academy of Sciences,
7 she was for some years directing programs in toxicology and
8 risk assessment in the private sector.

9 Now, since the last time this committee met, the
10 National Advisory Committee on Micro Criteria for Foods has
11 not had a meeting. We had planned a meeting for the
12 summertime that was canceled as a result of the fact that
13 one of the major subjects for discussion at that meeting,
14 which was the risk assessment being conducted by FDA on
15 listeria in conjunction with FSIS, wasn't quite ready as it
16 happened for discussion at the Advisory Committee. Because
17 that was to be a major focus of that meeting's discussion,
18 we decided to delay the meeting.

19 The other event that has been -- we've been
20 working through on the Micro Committee is the rechartering
21 of that committee. That committee's charter expired at the

1 end of September, and the committee's charter, a new
2 charter, has been developed and signed.

3 We are also well underway in the process of
4 reappointing the Micro Advisory Committee, and that process
5 is -- we are now dealing with language that has been put in
6 the agricultural appropriations bill, now law -- well, yes,
7 now law; just now law -- that is causing us to have a look
8 at how we are proceeding with reappointing that committee

9 The language in our appropriations law now causes
10 us to look at the membership of the Micro Committee as it
11 compares with other federal advisory committees at FDA and
12 EPA and other federal agencies and so we are looking at the
13 slate that we had under development in view of this language
14 that's in our appropriations.

15 We had planned to have a next meeting late this
16 fall, and we're considering whether we could possibly meet
17 that target. It seems, frankly, unlikely at this point.

18 Are there any questions on the Micro Advisory
19 Committee? Otherwise I'll move to the two more substantive
20 update news items for you.

21 MR. BILLY: Rosemary?

1 MS. MUCKLOW: Yes. Is it fair to say -- this is
2 Rosemary Mucklow. Is it fair to say that you're probably
3 not going to have a meeting of that committee until next
4 year now?

5 MS. HULEBAK: It seems very unlikely.

6 MS. MUCKLOW: Yes. Okay.

7 MR. BILLY: I think it's more than fair. It's a
8 definite.

9 MS. HANNIGAN: And hopefully, Karen, they pick up
10 where they left off as far as the things that this committee
11 sent to them.

12 MS. HULEBAK: That committee has a number of
13 things on its agenda, some of which have been forwarded by
14 this committee. There are, of course, the listeria issue
15 that FDA needs to bring to the committee and questions
16 related to that that we need to bring to the committee will
17 be in the queue as well.

18 MS. MUCKLOW: Rosemary Mucklow again. When did
19 the committee actually last meet?

20 MS. HULEBAK: It met in December.

21 MS. MUCKLOW: December of 1999?

1 MS. HULEBAK: 1999, correct.

2 MS. MUCKLOW: How frequently is it supposed to
3 meet?

4 MS. HULEBAK: Well, it meets I believe the charter
5 says at least twice.

6 MS. MUCKLOW: A year.

7 MS. HULEBAK: Uh-huh.

8 MS. MUCKLOW: So it may go through the year 2000
9 without meeting at all then?

10 MS. HULEBAK: I don't know if that's fiscal year
11 or calendar year. I mean, it will have met one time in that
12 fiscal year.

13 MR. BILLY: Okay.

14 MS. HULEBAK: Okay. Next I think on the agenda is
15 an update on the task force on which I have served for the
16 last year and a half as the member for the Department, a
17 task force co-chaired by three Public Health Service
18 agencies, the Food and Drug Administration, the Centers for
19 Disease Control and the National Institutes of Health.

20 The task force is developing an action plan to
21 combat antimicrobial resistance. The task force is made up

1 of eight or nine different agencies ranging from those that
2 I mentioned through Health Finance and Services
3 Administration of the Public Health Service, the Department
4 of Defense.

5 This task force is looking at the issue of
6 antimicrobial resistance in a way that's been unusual for
7 large, high profile task forces in this country or
8 internationally. It has looked at the issue of
9 antimicrobial resistance across the board. It's recognized
10 that antimicrobial resistance is a problem to which many
11 sectors of society contribute, and it recognizes that the
12 practice of human medicine, the practice of human medicine
13 by physicians and the behavior of patients in use, misuse
14 and abuse of antibiotics plays a role in development of
15 resistance to microbes that infect human beings.

16 It also recognizes that the animal production
17 sector of the economy also has a role to play in the
18 development of resistance and in the combating of the
19 development of resistance. The action plan acknowledges
20 those multiple factors in development of resistance and lays
21 out I believe there are close to 90 action items that are

1 designed through coordinated federal action and in some
2 cases state action, coordinated action, to tackle all these
3 numerous factors that contribute to development of
4 resistance.

5 Now, clearly a key factor in the success of this
6 action plan is going to be funding of a number of these
7 activities, but we've developed I think a very comprehensive
8 action plan that is in its final stages of approval. Our
9 hope, the task force's hope, is to have that plan be final
10 before the end of the calendar year. I think we are well on
11 our way to doing that. We're at the stage of final review
12 and approval by all of the agencies and departments that
13 have contributed to developing this plan.

14 The plan, by the way, has focused on only one
15 aspect of this problem, domestic issues. We recognize that
16 this is clearly a global issue. Everybody contributes.
17 Everybody has a part to play in answering these problems.
18 The task force's plan is to undertake a second activity in
19 the coming year to address global issues having to do with
20 resistance.

21 Now, any questions on that point? Yes?

1 MR. BILLY: Caroline?

2 MS. SMITH DEWAAL: Caroline Smith DeWaal. Thank
3 you for that update, Karen.

4 That's very exciting. It's exciting that all the
5 agencies are getting together and grappling with that
6 problem at that scale because there are both important human
7 use implications, but also a huge percent of antibiotics are
8 actually used in the animal production sector, and we need
9 to analyze ways to assure that that use doesn't result in
10 increased risk to the public from antibiotic resistant
11 bacteria.

12 Can you give us any information on the flora
13 quinoline, the change in flora quinoline uses that was
14 suggested in the *Washington Post* on Friday? Apparently
15 there is a Federal Register notice that FDA is reversing its
16 position on the use of flora quinolines in I believe it was
17 poultry. Can you fill in any of the gaps on this? It is a
18 very exciting development.

19 You know, CSPI for one thought that the original
20 approval was wrong, given the importance of that particular
21 antibiotic to the human population; that it's approval for

1 animal use was incorrect, so it's exciting to see that
2 they're changing their mind, but can you fill in any of the
3 gaps on that?

4 MR. BILLY: Yes. I think Dr. Woteki would like to
5 take a shot at that.

6 MS. WOTEKI: Yes. I have some information that
7 was actually provided by the Center for Veterinary Medicine
8 at FDA, so I'll provide you very briefly with that
9 information.

10 What FDA is proposing to do is to withdraw the
11 approval of the new animal drug applications that were
12 issued in 1995 and 1996 for the use of flora quinolines in
13 poultry. According to the FDA regulations, the process that
14 they have used is to issue a notice of opportunity for a
15 hearing on that proposal.

16 They are basing their decision on three
17 determinations. The first is that the use of flora
18 quinolines in poultry causes the development of flora
19 quinoline resistant Campylobacter, which is a pathogen to
20 humans, but it causes the development of that resistance in
21 Campylobacter in poultry.

1 The second point is that this flora quinoline
2 resistant Campylobacter are then transferred to humans and
3 are a significant cause of the development of flora
4 quinoline resistant Campylobacter infections in humans.

5 The third basis for the action is that flora
6 quinoline resistant Campylobacter infections are a hazard
7 to human health, so that's essentially the basis of the
8 decision and the process that FDA is following under its
9 regulations.

10 MR. BILLY: Okay. Do you want to add anything to
11 that?

12 MS. HULEBAK: I'll just add that the actions that
13 Dr. Woteki have described have been ones that are
14 essentially part of what FDA has called the framework
15 document that is referenced in the action plan and
16 essentially rated and encouraged by the action plan.

17 MR. BILLY: Okay. Katie, and then Cheryl?

18 MS. HANNIGAN: I have a question about your you
19 said 90 bullet points or thereabouts.

20 MS. HULEBAK: Uh-huh.

21 MS. HANNIGAN: I'm wondering if the committee has

1 ranked them with near term and long term initiatives, et
2 cetera, and if the action plan is like one year completion,
3 two year completion. Just maybe a little bit more there if
4 you could.

5 MS. HULEBAK: The task force has identified
6 approximately a dozen high priority action items and has for
7 all of the 80 to 90 action items identified whether activity
8 is ongoing, whether it is likely to be undertaken within one
9 to two years or within three to five years.

10 It also identifies which agencies or departments
11 coordinate that activity or ought to coordinate that
12 activity and which agencies in addition are collaborators
13 with the coordinators.

14 MR. BILLY: Okay. Cheryl?

15 MS. HALL: Cheryl Hall. This sounds like a very
16 detailed and comprehensive study that's been done on
17 Campylobacter and the resistance to flora quinolines.
18 Could you tell me when it was completed?

19 MS. HULEBAK: This was all part of the FDA's
20 Center for Veterinary Medicine review process, and I would
21 refer you to them for further details about the background

1 documentation that they had used in the development of that
2 decision.

3 MS. HALL: And have all the scientific reviews on
4 this been done? Do you know?

5 MS. HULEBAK: Pardon?

6 MS. HALL: Have all the scientific reviews on this
7 information been done? In other words, is this a detailed
8 study that has been completed?

9 MS. HULEBAK: Well, their decision is actually
10 based on a variety of different types of scientific
11 information, studies that are published in the literature, a
12 risk assessment that was conducted, as well as information
13 that has been forthcoming from the NARMS system, which is a
14 monitoring system for antimicrobial resistance that is
15 conducted under the auspices of several USDA agencies,
16 including FSIS, as well as the Food and Drug Administration.

17 So there are various types of scientific
18 information, much of it reviewed in the scientific
19 literature through the published studies, the risk
20 assessment, which has also been made available, as well as
21 data from the NARMS system that has gone into the decision.

1 MS. HALL: It was my understanding that these had
2 not been completed, so that's why I asked the question.

3 MR. BILLY: I think the answer is they would have
4 had to have been completed to take this action, but we can
5 give you a contact point at the Center for Veterinary
6 Medicine where you can get much more specific information on
7 that.

8 MS. HALL: Thank you.

9 MR. BILLY: Yes. Rosemary?

10 MS. MUCKLOW: I don't want to interrupt any
11 continuing discussion on flora quinolines. I thought it
12 might be helpful, especially since I'm on the subcommittee
13 to review this this evening, to get some clarification from
14 you or from Karen about another drug that we're dealing with
15 in the meat industry called phenobutezone.

16 We're very pleased to cooperate and work with the
17 agency as it does a pilot project on phenobutezone, which is
18 a drug approved for horses, dogs and people, but not for
19 bovine animals. We're looking for it in bovine animals,
20 and, unfortunately, we've found some of it, or the agency
21 has. It's a very complicated program for testing because

1 the FDA lab does the testing for the bute, and your lab does
2 the testing for other residues.

3 I learned this last couple of weeks that it's what
4 is called extra labeled, as I understand it, and the
5 veterinarian may prescribe for a food producing animal the
6 use of phenobutezone.

7 My question for Karen and for the agency is that
8 if a bovine animal has been treated with phenobutezone for
9 which there is no withdrawal time, does that animal become
10 red tagged in some way that it should never enter the food
11 supply? Is that what needs to happen on the livestock end
12 to make sure that that animal never comes through as a food
13 producing animal?

14 If so, what are you doing with the Food and Drug
15 Administration that has the jurisdiction over the live
16 animal end to make sure that such an animal, once treated
17 with phenobutezone for whatever reason, is not eligible to
18 enter the food supply?

19 MR. BILLY: Yes. Rosemary, I appreciate your
20 question and your interest in that area, but what I'd like
21 to suggest is that we hold that question until we get to the

1 residue discussion, and then we can have an appropriate
2 person here that can address your question very
3 specifically.

4 MS. MUCKLOW: Okay. Will we have that chance
5 today before we --

6 MR. BILLY: Yes. It's between 1:45 and 2:30.

7 MS. MUCKLOW: Okay. As long as they will come on
8 with that information, I'll be happy to hold the thought.

9 MR. BILLY: They'll come on with whatever
10 information we have. We'll do our best.

11 MS. MUCKLOW: They have the chance to go get it
12 before they get here.

13 MR. BILLY: I understand, but you'll probably
14 think of several more questions in the interim.

15 MS. MUCKLOW: That's entirely possible.

16 MR. BILLY: Alice?

17 MS. JOHNSON: I want to address two issues, one
18 with Karen.

19 The action plan document that you were talking
20 about, will that be made public within the next few months
21 in time for some of the hearings that this information will

1 be considered?

2 MS. WOTEKI: Yes. We hope that it will be made
3 public very soon; within the next couple of months at least.

4 MR. BILLY: That refers to that final clearance
5 process.

6 MS. WOTEKI: Right. It's in the very last stages
7 before it becomes public.

8 MR. BILLY: It will become public when that
9 process is finished.

10 MS. JOHNSON: So the recommendations and actions
11 from that committee can be taken as part of the notice and
12 comment from CDM.

13 It's also my understanding, and this was as of
14 Friday, that the risk assessment that CDM has done has not
15 been publicly released at this point, that it's still
16 internal.

17 MS. WOTEKI: As we had indicated, I think it's
18 appropriate to address those questions to CDM.

19 MR. BILLY: Yes. Okay. Caroline?

20 MS. SMITH DEWAAL: I'm fine.

21 MR. BILLY: Okay. Your last item?

1 MS. HULEBAK: I was at risk there, Ms. Mucklow, of
2 not finishing in 30 minutes.

3 MS. MUCKLOW: I take full responsibility.

4 MS. HULEBAK: The last update I have for you
5 concerns the agency's and the Department's activities in the
6 area of dioxin.

7 As the Environmental Protection Agency has moved
8 forward to bring to closure its nearly decade long
9 reassessment of dioxin as an environmental contaminant and
10 as a contaminant in the food supply, we have organized
11 within the Department of Agriculture a cross Department
12 working group to track the issue and to keep ourselves
13 updated and develop actions that we need to take with
14 respect to this issue. I chair that working group. There
15 is also an interagency working group that is chaired or run
16 by the Office of Science and Technology Policy that we take
17 part in as well.

18 The status of the reassessment is that it is very
19 shortly, like tomorrow and the next day, to go to the
20 Environmental Protection Agency's science advisory board for
21 a thorough review prior to being made final and released to

1 the public. As such, the reassessment is still a draft, and
2 the scientific considerations and conclusions that are
3 presented in that report are a draft.

4 We recognize that dioxin is -- it may be a
5 contaminant of foods. It may be a contaminant of the foods
6 that we regulate. We have been interested historically in
7 the possible presence of dioxin in meat and poultry and meat
8 and poultry products, and, as you probably know, in the mid
9 1990s in conjunction with the Environmental Protection
10 Agency we carried out a survey of beef, poultry and pork for
11 dioxin.

12 We had been planning to repeat that look at
13 possible dioxin contamination in those products shortly, and
14 in fact we are continuing to talk about shortly undertaking
15 another look at dioxin in those products. We will be
16 coordinating our plans to carry out that testing with the
17 Food and Drug Administration and also with EPA.

18 Are there any questions? That really sort of
19 brings it up to date with where we are.

20 MS. SMITH DEWAAL: I'm Caroline Smith DeWaal. I
21 just want to encourage you to do that survey.

1 With the recent information out on the dioxin
2 issues and the possible health effects, CSPI has recently
3 issued an alert saying, you know, the major way to avoid
4 dioxin in your diet is to avoid eating meat and poultry
5 products. The best data that we have available that we can
6 then give to our members and to the public at large to give
7 them appropriate dietary advice would be -- really this type
8 of a survey could be instrumental in getting better and good
9 dietary recommendations out to the public.

10 Dioxin is a very serious, potentially serious
11 health risk, and it really -- consumers who want to watch
12 their diets in that way want this kind of information, so I
13 would encourage you to do that survey and to publish it as
14 soon as possible so we have the most up-to-date information.

15 MR. BILLY: Yes. I'd like to ask that Karen also
16 mentioned the work that we're initiating with the National
17 Academy of Sciences and also if you can make any comment
18 with regard to overall trends in terms of dioxin in foods?

19 MS. HULEBAK: I apologize. There was one other
20 news note that I neglected to mention, and that is that we
21 have been working through the interagency working group with

1 the Office of Science and Technology Policy to develop a
2 study that the Institute of Medicine and one or two boards
3 of the National Research Council would carry out looking at
4 dioxin as a potential contaminant of foods within the
5 broader context of sound nutrition and good food public
6 health policy.

7 There are a broad range of questions that are
8 clearly raised here; how individuals can think about their
9 diets and think about the possibility of their exposure and
10 the need to consider making sound judgements. These are
11 very sweeping questions, and we feel that the Institute of
12 Medicine and the National Academies are well equipped to
13 consider those questions. We are in discussion with them
14 right now about what would make a good, useful and a
15 sensible study.

16 I can also say that the reassessment has made very
17 clear and the data are available to anyone who's looked at
18 them that as a result certainly within the United States of
19 environmental regulations through the Environmental
20 Protection Agency dioxin emissions to the environment as a
21 result of human activities -- municipal waste incineration,

1 various utility plant stack gases and so forth. Emissions
2 have fallen tremendously over the last 20 years, and there
3 is evidence that dioxin levels in foods have fallen over the
4 last 40 or 50 years.

5 There is corresponding evidence that body burdens
6 of all of us -- we are all of us exposed to dioxin largely
7 through food. That's not really a subject of controversy,
8 but our body burdens are continuing to fall as a result of
9 the continuing decline in dioxin emissions to the
10 environment and, therefore, into food. So the news is good.

11 The trends are good, and there is every indication that
12 they will continue in that decline.

13 One thing we have to recognize is that dioxin as
14 an issue of a contaminant, a food supply contaminant, is not
15 just a U.S. issue. It is again a global issue, and that's
16 one that we have limited direct control over, but it is a
17 global issue. In order to continue those trends globally,
18 that will be a challenge.

19 MR. BILLY: Okay. Thank you. Okay. Thank you
20 very much, Karen.

21 I'm going to move on now. The next item on the

1 agenda is the redesigned HACCP based inspection models
2 project. Our presenter will be Mike Grasso. Mike plays a
3 very key role in terms of this very important project that
4 the agency has underway.

5 Mike?

6 MR. GRASSO: Good morning, everybody. What I'd
7 like to do this morning is give you an update exactly where
8 we are with the project. We'll probably have to discuss it
9 maybe two times, the original design of the project and the
10 most current redesign of the project due to the U.S. Court
11 of Appeals decision.

12 If you would turn to Tab 5, I believe, in your
13 book? We've put some information together in this tab for
14 you and some results from the original design of the HIMP.
15 For everybody's information, the original design of the HIMP
16 had inspection personnel in two positions. One was an
17 oversight position where the inspector moves up and down the
18 slaughter line and a verification position where the
19 inspection personnel perform various tasks such as caucus
20 reinspection activities.

21 What we have provided for you in this handout is

1 RTI, Research Triangle Institute, has gone back into the
2 plants that originally conducted baseline, seven of those
3 plants, to compare how they've done in the change from the
4 original HIMP. So there were seven plants in which RTI went
5 back into, and they collected 14,000 samples on other
6 consumer protection.

7 If you go to Attachment 1, it's the
8 accomplishments of the HACCP based inspection model, so this
9 is comparing the baseline of these seven plants with the RTI
10 data from these seven plants, and it's headed Traditional
11 Slaughter Inspection Versus HACCP Based Inspection. Does
12 everybody have that section?

13 MS. MUCKLOW: Give us what the page looks like,
14 Mike. Okay. Dr. Jan is helping me get to the right page.

15 MR. GRASSO: Do we have it? Everybody have it?
16 Okay.

17 Basically what this chart shows you is the seven
18 categories of defects, the two food safety categories and
19 the five OCPs. The first column is for these seven plants
20 what the results for these seven plants were in baseline.
21 The next column is the number of defects that RTI found when

1 they went back into the plant and looked at samples from the
2 same plants.

3 As you can see, for Food Safety 1 there was a 100
4 percent decrease, for Food Safety 2 a 92 percent decrease,
5 OCP 1 a 45 percent decrease, OCP 2 a 43 percent decrease,
6 OCP 3 13 percent, OCP 4 we had an increase of 26 percent,
7 and OCP 5 there was a decrease of 60 percent, so just to
8 make sure that you understand, seven plants. RTI collected
9 baseline data when FSIS inspection personnel were doing the
10 activities on line. When the plant changed and they
11 performed the sorting, RTI came back in and collected
12 samples again, and this is the results of those seven
13 plants.

14 Now if you just go to the next page, this is kind
15 of like a confirmation. Attachment 2 is this one here,
16 okay?

17 MR. BILLY: What's the title of it?

18 MR. GRASSO: It's FSIS Inspection Results
19 Measuring HIMP Plant Performance Against the Pilot
20 Performance Standards.

21 What I'd like you to do is, Lennie, I have a more

1 recent one than this that gives me one more month, and I'd
2 like to hand that out at this time.

3 MR. BILLY: While that's being passed out, if we
4 could go back to the first chart just so I'm clear and the
5 committee is clear, this table where it compares traditional
6 slaughter inspection results to HACCP based inspection model
7 project results in young chickens?

8 The column title Traditional Slaughter Inspection
9 Percent Defects, these are the defects that were found after
10 the plant and our inspectors on line in the traditional role
11 that they play carried out their various functions.

12 MR. GRASSO: Correct.

13 MR. BILLY: So for seven plants, this is an
14 indication of what results were obtained by RTI through that
15 process, and I think we shared that data earlier with the
16 committee.

17 Now, the second column in this table, the HIMP
18 Percent Defects, this is with the original design of HIMP
19 where we had an oversight inspector and a verification
20 inspector carrying out the functions that were designed to
21 assure that the sorting done by the plant was effective in

1 meeting both the food safety and the other consumer
2 protection defects

3 The results here then show the impact of this
4 design change and different approach in terms of the plant's
5 role and our inspectors' role commensurate with what the
6 plant was doing. Is that correct? Is that what we're --

7 MR. GRASSO: Correct.

8 MR. BILLY: One other thing you didn't mention
9 that I thought was important is just above this table in the
10 Accomplishments handout salmonella data is addressed, and
11 the last sentence there that points out that under this
12 redesigned inspection approach under HIMP in fact the
13 salmonella prevalence was better with the redesign than it
14 was under traditional inspection.

15 We saw an improvement there as well, so it's not
16 just that these other conditions were met, but that we
17 actually through sampling and analysis determined that we
18 saw further improvement in the salmonella prevalence as
19 well.

20 Caroline, do you have a question about this?

21 MS. SMITH DEWAAL: I do. Thanks, Tom.

1 Let me just try to make sure I understand this
2 chart. Just looking at OCP 2, it says 70 percent had
3 defects under traditional inspection. Does that mean that
4 70 percent of the meat that's going out has bruises or sores
5 or other processing defects?

6 MR. GRASSO: Correct.

7 MS. SMITH DEWAAL: And 39 percent was going out
8 under the HACCP inspection models project?

9 MR. GRASSO: Uh-huh.

10 MS. SMITH DEWAAL: This does not reflect the
11 standard. Is that correct? We're not looking at two
12 different standards. We're looking at the actual results
13 achieved under the systems.

14 MR. GRASSO: The seven plants -- okay. It
15 wouldn't be fair to compare the seven plants to the 16
16 plants where we developed the performance standards from
17 baseline from 16 plants, so this chart -- we went back
18 specifically to these specific seven plants and what was the
19 75th percentile position for these seven plants.

20 MR. BILLY: Let me try to answer it --

21 MS. SMITH DEWAAL: Okay.

1 MR. BILLY: -- in a little bit different manner.
2 The first column, which is titled Traditional Slaughter
3 Inspection, these numbers that are in this column represent
4 a standard for the seven plants, not for all 16, because we
5 didn't have data in the second column for all 16 so we
6 compared apples to apples. We tired to make a direct
7 comparison.

8 The numbers in the first column are our initial
9 thought of what a performance standard should be for these
10 various categories of defects and food safety concerns.
11 We've done that by identifying the 75th percentile; not
12 accepting the overall number or result, but actually
13 tightening the standard, if you will, as represented by
14 these numbers by choosing the 75th percentile in terms of
15 the data results.

16 The 75th percentile approach is what we're
17 initially working from, but obviously if in fact we continue
18 this project and arrive at a point where we're convinced
19 that this is an improvement then the percentile that we
20 actually end up with if we were to change the regulations
21 would be subject to notice and comment rule making with

1 input from the public.

2 So we have picked a benchmark for comparison
3 purposes. One could argue well, it ought to be 50 percent
4 or it ought to be 80 percent or whatever, and I'm sure that
5 debate will occur at some point in the future, but in order
6 to make a comparison that's what we attempted to do here.

7 MS. SMITH DEWAAL: But I'm still a little lost.
8 Are we comparing the actual achievements of the traditional
9 inspection process in these seven plants with the actual
10 achievement, or are we comparing the standards applicable to
11 the traditional inspection of these plants versus the
12 standard under the new HIMP --

13 MR. GRASSO: What this chart explains to you is
14 that in these seven plants RTI went in originally under
15 traditional inspection and gathered results on these seven.
16 There were 16, but this, the first column, --

17 MS. SMITH DEWAAL: I understand.

18 MR. GRASSO: -- is their results for the seven.

19 MS. SMITH DEWAAL: I understand that. That's not
20 my question.

21 MR. GRASSO: So that's the results. That's the

1 traditional system in these seven plants.

2 MS. SMITH DEWAAL: So in those seven plants --

3 MR. GRASSO: This is what was going out the door.

4 MS. SMITH DEWAAL: Under the traditional --

5 MR. BILLY: That's not right, Mike. That's not
6 correct.

7 If you multiply these numbers under the column
8 Traditional Slaughter Inspection by I think 125 percent
9 you'll get the actual numbers of what was going out the
10 door. Is that correct?

11 MR. GRASSO: This here is the 75th percentile, --

12 MR. BILLY: Yes.

13 MR. GRASSO: -- so it's a position for the seven
14 plants. It's probably a position between the fifth and the
15 sixth plant.

16 MR. BILLY: Here's a way, and let's pick that
17 category that you chose, OCP 2, a way to think about it.

18 MS. SMITH DEWAAL: Okay.

19 MR. BILLY: You have seven plants, and for those
20 seven plants each had a set of performance results under the
21 traditional inspection, some percentage that was in as a

1 result of the way the plant and the inspection system
2 performed.

3 If you arrange those data from one to seven in
4 terms of the numbers, what this column represents is a
5 number that is at the 75th percentile of the actual numbers
6 that came out of those seven plants for that category. It's
7 the 75th percentile, so some plants may have had numbers
8 below 70 percent. Others had numbers above 70 percent.

9 We picked the 75th percentile and said all right,
10 for purposes of comparison to the experimental phase we're
11 going to use that number, the 75th percentile, as the point
12 for comparison. We didn't say we're going to compare it to
13 the plant that had the highest number of defects or the
14 lowest number of defects. We chose the plant that was
15 positioned nearest the 75th percentile, and that's true for
16 each of these categories.

17 The next category we arrayed the same data
18 results, whatever they were, from the best or lowest number
19 of defects to the highest. We found out what the 75th
20 percentile was, and that's the number that's represented in
21 this column, so it's not the actual results, if you will.

1 They varied by plant in the pilot study. What this number
2 is is what the 75th percentile position would be.

3 MS. SMITH DEWAAL: Okay. So we're comparing
4 plants, Plant No. X, who achieved the 75th percentile --

5 MR. BILLY: Right.

6 MS. SMITH DEWAAL: -- mark under the traditional
7 system, to Plant Z, who achieved that 75th percentile mark
8 in the second system?

9 MR. BILLY: No. These are the actual results.
10 How would you say it?

11 MR. GRASSO: The second column is when RTI went
12 back in and we had to change where the plant took on the
13 responsibility. They looked at samples, and they identified
14 defects on the birds. That's the actual results in these
15 seven plants under the original HIMP.

16 MS. SMITH DEWAAL: So the averaged actual results
17 for these plants?

18 MR. GRASSO: The 75th percentile.

19 MR. BILLY: For the right column.

20 MR. GRASSO: Correct.

21 MR. BILLY: Okay.

1 MR. GRASSO: So you're able to compare the two
2 systems, traditional, 75th percentile, versus the HIMP.

3 MR. BILLY: Okay. Carol Foreman?

4 MS. TUCKER FOREMAN: Two things, please. Do you
5 have with you what the figures in that first column were for
6 the 16 plants?

7 MR. GRASSO: Right. That's the next sheet that
8 I've handed out.

9 The point I was trying to make is that under the
10 original HIMP, okay, for those seven plants you had the
11 results. Then RTI came back in under the original HIMP.
12 You could see the results and compare how they were doing.

13 This here result right here, this here result is
14 FSIS data in 11 plants since February 1, okay, so this is
15 significant. This is 11 plants for a longer duration of
16 plant where FSIS inspectors have collected close to half a
17 million samples for food safety and close to 200,000 samples
18 for OCPs.

19 You have the seven categories. The first column
20 is the baseline from the 16 plants where RTI went in and we
21 took the 75th percent. Those are the performance standards

1 that the HIMP plants operate under. The column on the right
2 is the column, the results, an average over that period of
3 time of what the inspectors are finding in the 11 plants.

4 MS. TUCKER FOREMAN: Is Column 1 on the sheet you
5 just handed out a reflection of exactly the same data as
6 Column 1 on the sheet in our books?

7 MR. GRASSO: No. Column 1, because we only had
8 seven plants of RTI data --

9 MS. TUCKER FOREMAN: No. Are they looking at the
10 same thing?

11 MR. GRASSO: Absolutely the same.

12 MS. TUCKER FOREMAN: Okay. Column 1. Because
13 they're not called the same thing.

14 MR. GRASSO: I understand that. Because we only
15 had -- in the handout in your book, we only had results from
16 seven plants.

17 MS. TUCKER FOREMAN: Mike?

18 MR. GRASSO: Yes?

19 MS. TUCKER FOREMAN: The top of the column doesn't
20 say the same thing. One says Traditional Slaughter
21 Inspection Percentage Defects. The other one says Pilot

1 Performance Standards Based on Traditional Inspection. It
2 doesn't say the same thing, --

3 MR. GRASSO: Okay.

4 MS. TUCKER FOREMAN: -- but I'm asking you is it
5 the same thing --

6 MR. GRASSO: It is the same thing.

7 MS. TUCKER FOREMAN: -- except in one case for 11
8 plants and in the one in our book for seven plants?

9 MR. GRASSO: Correct.

10 MS. TUCKER FOREMAN: Is it exactly the same
11 figure?

12 MR. GRASSO: It's the same thing.

13 MS. TUCKER FOREMAN: What would the figures be,
14 because this is the traditional. What were the figures when
15 you first went in and looked at all 16 plants?

16 MR. GRASSO: Right here.

17 MS. TUCKER FOREMAN: No.

18 MR. BILLY: No. That's not right.

19 MS. TUCKER FOREMAN: That's not right. You just
20 told me that was 11 plants.

21 MR. BILLY: What we need --

1 MR. GRASSO: Oh, no. Let me finish, Tom. This
2 column here was the performance standards. That's 16
3 plants.

4 MR. BILLY: No.

5 MR. GRASSO: That's 16 plants right now.

6 MR. BILLY: But I think what you're asking for is
7 the report that we presented at the last public meeting,
8 which is the actual result for all 16 plants under
9 traditional.

10 MS. TUCKER FOREMAN: Right.

11 MR. BILLY: We can make that available to the
12 committee. That's the RTI report.

13 MR. GRASSO: Right, but that's this column, Tom.

14 MR. BILLY: I understand, but I think she wants
15 the actual data from all 16 plants.

16 MS. TUCKER FOREMAN: I do.

17 MR. GRASSO: Okay.

18 MS. TUCKER FOREMAN: Let me tell you something.
19 Do you know what? I am a reasonably intelligent human
20 being, and we've been looking at these figures for four
21 years now. They are not meaningful to me. I do not know

1 how you expect them to be meaningful to the Court or the
2 public.

3 They just don't communicate very effectively to
4 someone looking at them immediately that something good is
5 happening here. I think that's probably the case, but I
6 can't get it from these figures.

7 MR. GRASSO: Well, let me try to give it to you,
8 if I may. If you would look at this sheet, okay? That
9 first column, Pilot Performance Standards Based on
10 Traditional Inspection, that is the results from the 16
11 plants baseline results, RTI going in, taking 32,000
12 samples.

13 MS. TUCKER FOREMAN: 75th percentile?

14 MR. GRASSO: 75th percentile. Now, the column on
15 the right is FSIS inspector results where they're performing
16 eight food safety checks per shift per line and two OCP
17 checks per shift per line. That's what that right column
18 is. The Food Safety 1 and 2 represents closer to a half a
19 million samples that FSIS inspectors have performed in these
20 11 HIMP plants.

21 Now, you want to see something good? Well, what I

1 see is that under the traditional system Food Safety 1 was
2 .1, and under what we're seeing by our inspectors it's .0.
3 For Food Safety 2, in baseline it was 1.5, and we're seeing
4 .2. If you go down the line, the right column for the OCPs,
5 I see improvement in every category based upon FSIS
6 inspector results.

7 Yes, Carol?

8 MR. BILLY: Okay. Hold on, Carol.

9 MS. TUCKER FOREMAN: Wait a minute. Wait a
10 minute. I've got a question. The left-hand column on this
11 is 16 plants?

12 MR. GRASSO: Correct.

13 MS. TUCKER FOREMAN: The right-hand column is 11
14 plants?

15 MR. GRASSO: Right.

16 MS. TUCKER FOREMAN: How do we know that it
17 doesn't look so good because the five plants that aren't in
18 the right-hand column --

19 MR. GRASSO: I don't have five yet.

20 MS. TUCKER FOREMAN: -- were the worst five
21 plants?

1 MR. GRASSO: I don't have five.

2 MS. TUCKER FOREMAN: I know, but you're telling me
3 that your baseline is 16 plants. The right-hand is 11
4 plants.

5 MR. GRASSO: Right.

6 MS. TUCKER FOREMAN: How do I know that the right-
7 hand doesn't look so good because the garbage was in that
8 other five plants?

9 MR. GRASSO: Because we don't have the results yet
10 from the other five.

11 MS. TUCKER FOREMAN: I know, but how come you
12 didn't give me 11 plants? You gave me seven plants in the
13 book. How come you couldn't give me -- why do I have apples
14 and oranges instead of 11 and 11?

15 MR. GRASSO: I could do that, too. I thought this
16 here sheet would verify that FSIS results, okay, are showing
17 that the plants are meeting the performance standards based
18 on the baseline.

19 MR. BILLY: I think one reason that there's a
20 difference is because in this instance the inspectors are
21 measuring the samples against the standards based on all 16

1 plants. That's what we have the inspectors doing in those
2 plants as compared to RTI going in and independently
3 collecting data, so once we have the complete sample set for
4 all 16 plants and identify the 75th percentile then the
5 inspectors are measuring the HIMP performance against the
6 results for all 16 plants.

7 We had to have -- otherwise what we would have had
8 to do is the first plant, the inspectors would have measured
9 it against that plant. Then the next one we would measure
10 it against two and so forth. We're not that flexible in
11 terms of how we do it, so we're holding -- in terms of what
12 the inspectors are doing, we're holding them accountable for
13 results against all 16 plants.

14 Those are for the time being the performance
15 standards that the inspectors are applying --

16 MS. TUCKER FOREMAN: Okay.

17 MR. BILLY: -- to the HIMP plants, so that's why
18 there's a difference. I think that as we get more data
19 then, you know, eventually we'll have enough of the data for
20 all 16 plants and that problem will disappear. It's an
21 attempt, I believe, to share --

1 MR. GRASSO: Right.

2 MR. BILLY: -- on an ongoing basis as we cumulate
3 results what the results look like in comparison. I think
4 they're described in the text and below as well.

5 MR. GRASSO: If we went back six or seven months
6 when the first plant started, okay, Plant 1, they had to
7 meet the first column.

8 MR. BILLY: Yes.

9 MR. GRASSO: That was the performance standard
10 that that plant had to meet. As each plant came on that's
11 the performance standard they had to meet, and that's the
12 performance standard that they generated as an individual
13 plant and baseline because I can just tell you right now. I
14 mean, OCP 2, which is at the 75th percentile for 1.5, the
15 16th position was 3.3 so we didn't take that 16th position
16 at 3.3. All the plants have to meet the zero tolerance
17 really, but that was what was generated in baseline.

18 MS. TUCKER FOREMAN: I have one more question if I
19 may, please.

20 MR. GRASSO: Okay.

21 MS. TUCKER FOREMAN: The first column, the

1 baseline data. I want to go back again. Column 1 on both
2 sheets are the same thing except one refers to 16 plants and
3 one refers to seven plants?

4 MR. GRASSO: Correct, but that's the results of
5 those seven plants in baseline, and we took the 75th percent
6 for those seven plants.

7 MS. TUCKER FOREMAN: So that explains why --

8 MR. GRASSO: The numbers are different.

9 MS. TUCKER FOREMAN: And why they appear to be
10 higher on the seven plants than they are all the way down
11 the line on the 16 plants?

12 MR. GRASSO: Correct.

13 MR. BILLY: Okay. Lee Jan?

14 MR. JAN: Thank you. Lee Jan, Texas Department of
15 Health.

16 I have some interest and would like to know if
17 there's any data on the percent of the carcasses that were
18 removed from food supply in the traditional versus the HIMP.

19 Also, in the pilots that have been conducted what
20 training or qualifications did the plant sorters receive
21 prior to beginning their responsibility?

1 As we move to the future, is there assurance that
2 the plants of the future that would be in this HIMP, and it
3 may have a new name by them, but in this project. Will
4 there be a requirement or some assurance that the sorters
5 will have at least the same qualifications as the sorters in
6 the project?

7 MR. GRASSO: Well, I'd like to mention a couple of
8 things. Number one, what we did and are still doing is that
9 we are providing for all the HIMP plants slaughter training
10 in College Station, so most of the HIMP plants, if not all,
11 have sent down three, four, five people to be trained in
12 slaughter inspection, so it's like train the trainer, and
13 then they come back and they do training for the sorters.

14 I know that the industry as a whole has put
15 together a generic training package that they submitted to
16 the HACCP Alliance for validation so that this type of
17 training program could be provided to all of their sorters.

18 MR. JAN: Is there an assurance that for the
19 future plants, after they pass the project, that those
20 plants will continue that, or is it just whatever they want
21 to do?

1 MR. GRASSO: I actually think that the performance
2 standards themselves, if they don't put people on line that
3 are qualified and trained and know how to do the job --
4 looking at 80 birds per shift, they're not going to meet the
5 performance standards. It's going to happen right away.

6 MR. BILLY: I think to further answer that, I
7 think that's a subject for a rule making. In other words,
8 we're gaining the experience for observing what's happening.
9 As we build that information, that will be shared in a
10 proposed rule and that question will be addressed, and then
11 the public will have an opportunity to advise us on what the
12 best approach is.

13 MR. JAN: Okay.

14 MR. BILLY: I think it remains to be seen, and I
15 think that's a possibility, but I don't want to pre-judge
16 it. I think we need to be open to that possibility.

17 MR. JAN: What about the other part? Is the data
18 on the carcasses removed from the food supply in the
19 traditional versus HIMP? Is there data on that?

20 MR. GRASSO: You're talking about condemned birds?

21 MR. JAN: Right.

1 MR. GRASSO: Right. RTI, in their baseline
2 presentation of the six plants, presented --

3 MR. BILLY: Sixteen.

4 MR. GRASSO: Sixteen plants. -- birds that were
5 condemned and the reason for condemnation, and they'll do
6 the same thing again when we get to the 16 plants.

7 MR. JAN: How does that compare? I mean, I don't
8 see data on that issue.

9 MR. BILLY: There's data that was in the full
10 report, and we'll provide that to the committee. There's a
11 lot of data in their overall report, and it includes data on
12 that and the criteria, the reasons and so forth, a bunch of
13 pie charts and stuff that were provided earlier, but we'll
14 share it again.

15 Nancy?

16 MS. DONLEY: Thank you. Nancy Donley from STOP.
17 I'm just really happy that Lee brought up the comment about
18 the training because that's been a concern of STOP's from
19 the beginning that we feel that it's crucial for this to --
20 that there be a mandatory training requirement, and
21 particularly now that we just had this recent BSE situation

1 arise in France. The public is very much interested in
2 what's happening with the sorting process.

3 My question, my real question here, is do the HIMP
4 results then become a new performance standard for the HIMP
5 plant? I ask that question because we have maintained from
6 the beginning of this pilot study that we could only support
7 the project if at the end of the day the results were
8 better; not the same as, but that there was a significant
9 increase in the safety of the food that indeed comes out of
10 it.

11 So I guess my question is predicated on the fact
12 that fine, we see some really interesting looking numbers
13 here now that have come out when you compare the plants, but
14 is that performance standard going to remain at the 70
15 percent -- I'll just use that one as a for instance -- or is
16 it going to drop down to the new -- what was the one I was
17 even looking at here? Sorry. I was looking at OCP 2, 70
18 percent. Will it now be dropped to 39 percent and that
19 becomes the new performance standard that those plants must
20 achieve?

21 MR. GRASSO: Well, I think just to add on to what

1 Tom said is that our game plan is to move forward with rule
2 making, and our initial idea with the performance standards
3 would be to maybe start at the 75th percentile and look at
4 performance standards over maybe a ten year period of time.

5 We're continuously raising the bar as far as the
6 performance standards are concerned, so now we're at maybe
7 the -- for the 16 plants we're at the 12 position, and maybe
8 after a couple of years you go to the ten position, okay,
9 then the eight position and the six position, so as the
10 plants are able to gear up and to meet the performance
11 standards, continuous improvement. I believe it would be a
12 starting point.

13 MS. DONLEY: It's just --

14 MR. BILLY: I want to say a specific thing and
15 then a general thing. The specific thing is that's a
16 possibility. In other words, the process and the rule
17 making process. The agency would make some tentative
18 decision about what the performance standard should be based
19 on all the data and then that would be contained in a
20 proposed rule subject to notice and comment from the public,
21 and that process in the end would sort out what that

1 standard ought to be, whether it's the one that you
2 identified or something else.

3 I think one of the -- and this relates to my
4 general comment. Normally both this agency and other
5 regulatory agencies don't have this kind of a transparent
6 process through every step of a pilot study and rule making.

7 The agency made a commitment when we started on
8 this pilot project that we were going to -- we set some
9 general ground rules, but we would continuously share with
10 the public all of the information and data as we moved
11 along. We knew this was a very important issue area and
12 that it would be valuable to provide that information.

13 Given that, while it's very appropriate to have
14 all kinds of questions and important for us to share all the
15 data and explain it, in the end I have to ask the committee
16 and everyone else to be a little patient because usually the
17 first time you see all this is at a proposed rule making.
18 Now you're living the pilot with us and getting the results,
19 and we're trying to figure out how to share the data in the
20 most meaningful way we can on an interim basis.

21 Whether we're doing it well or not that's fair

1 enough to comment. If anyone has ideas about a better way,
2 we're open to that as well. Just remember that this was an
3 open process where we're going step by step as we committed
4 to do when we began this project and so I think that that
5 perspective is important as we move forward.

6 MS. DONLEY: Can I just follow on to that?

7 MR. BILLY: Sure.

8 MS. DONLEY: Thank you.

9 MR. BILLY: Absolutely.

10 MS. DONLEY: I look at this and recognize that
11 this is kind of like a balance sheet, if you will. It's a
12 single accounting in time, a single period in time when you
13 get these results like this.

14 MR. BILLY: Right.

15 MS. DONLEY: I think when you see such number
16 changes and significant changes like this that if we really
17 want to ratchet up the food safety measure we have to say
18 okay, we know you can achieve this. You have achieved this.
19 Therefore, we are going to make this the standard.

20 After the spotlight is turned off, after all of
21 these baselines have been done, we don't want that number to

1 go back from 39.8 up to 70, so that's why I wanted to change
2 those performance standards, and I think we'll have a
3 significant boon to food safety.

4 MR. BILLY: Caroline?

5 MS. SMITH DEWAAL: Thank you, Tom. Caroline Smith
6 DeWaal.

7 I just want to say that I think there are
8 communication issues around this that are difficult to get
9 over, but one of the important points that I took home from
10 the meeting you held back I think it was February 28 or
11 something because it was the leap year day on the HACCP
12 inspection models project is that -- actually, it wasn't
13 that meeting. It was another one. I have the date wrong.

14 At that meeting, you said that one of the
15 important things is that these new categories are all lower,
16 and I think there's maybe one or two exceptions, but they
17 are all lower than the standards currently being implemented
18 under the traditional inspection model --

19 MR. GRASSO: That's correct.

20 MS. SMITH DEWAAL: -- so that these -- and that
21 fact I don't think has come out in this discussion so that

1 this column that includes the performance standards
2 applicable to the HIMP plants are already actually a
3 dramatic improvement in many cases over the standards being
4 applied in all the other plants around the country today
5 under traditional inspection. I think that's an important
6 communication point that you need to get out when you talk
7 about this.

8 Now, these two columns, and I guess one more
9 question on it, I think. Just to follow up on that one
10 point, that is good news for the public, the fact that these
11 HIMP plants are actually being required to comply with
12 tougher standards than all the other plants operating today
13 is good news and I think helps. I think Nancy's vision is
14 an excellent one for the future, but I think that this point
15 helps to make this inspection models project much more
16 acceptable to the public because these standards are
17 tougher.

18 Now, in Column 2, though, we're comparing the RTI
19 collected data in Column 1?

20 MR. GRASSO: On this here one?

21 MS. SMITH DEWAAL: The new one that you just

1 handed out.

2 MR. GRASSO: No. That's FSIS inspector results.

3 MS. SMITH DEWAAL: But is that the RTI data or
4 not?

5 MR. GRASSO: No.

6 MS. SMITH DEWAAL: None of this is? Okay. One of
7 the other real positive things out of the inspection models
8 project is the fact that you do have the RTI, the Research
9 Triangle Institute, that is verifying and actually
10 documenting the achievements of the agency and of the HACCP
11 inspection models, and that verification on the agency is
12 very important as you move through this process, so I do
13 think you need to --

14 MR. GRASSO: Right.

15 MS. SMITH DEWAAL: -- communicate the fact that
16 these are in most cases, and there is one exception and I
17 think it's something around OCP 3 or something around
18 feathers maybe, --

19 MR. GRASSO: Right.

20 MS. SMITH DEWAAL: -- but this is a very big
21 improvement for the industry overall, and what we want is to

1 get the entire industry to these standards whether they're
2 being traditionally inspected or inspected under the new --

3 MR. GRASSO: Maybe it would have been better if
4 the seven plant data that I would have shown you, that first
5 column I should have just put the baseline results there and
6 then showed you RTI results.

7 MR. BILLY: Or added a third column.

8 MR. GRASSO: Or a third column.

9 MS. SMITH DEWAAL: Yes.

10 MR. BILLY: That would be more --

11 MR. GRASSO: What I tried to do is both show you
12 RTI, that we're seeing improvement, and then our own
13 inspectors and that we're seeing improvement.

14 MS. SMITH DEWAAL: What this other column shows us
15 is that in fact you have some of not the best plants in this
16 seven plant series, but some of the not so good plants --

17 MR. GRASSO: Correct.

18 MS. SMITH DEWAAL: -- are mixed in as well. There
19 is some data that the government accountability project has
20 on one of the plants, and I'm hoping she's going to bring
21 that up this afternoon because I think there are some

1 significant questions.

2 It's one of the plants included in this initial
3 list of seven, but overall it's very important to note that
4 these standards are in most cases much tougher than the ones
5 being applied to the rest of the industry today.

6 MR. GRASSO: You're talking about at the last
7 meeting that we did we provided you with the finished
8 product standards and we did a comparison.

9 MS. SMITH DEWAAL: Yes.

10 MR. GRASSO: I could get that over here this
11 afternoon again.

12 MR. BILLY: Okay. I have three more people on
13 this point, and then I'd like to have the presentation
14 finish so we can break. I know there are some of you just
15 waiting to break, so maybe this will accelerate the
16 completion of this.

17 Rosemary, Alice and then Jim?

18 MS. MUCKLOW: Tom, I appreciate very much the
19 transparent process that the agency has tried to go through
20 on presenting the HIMP data. I think it is admirable. I
21 wish you were as transparent on some of the other things you

1 do, but that's another story.

2 I would suggest that maybe one of the more
3 important words on this document is the word Draft up in the
4 top left-hand column, and I would suggest that you enlarge
5 that word and that you put it in bold because this is
6 preliminary data. This is not a finished project. It is
7 very much a work in process. I think that we try to think
8 of this as something that is completed, and it is not.

9 I would like to be assured that when we see the
10 final document on this the right-hand column will reflect 16
11 plants, and again the next time you come out with this you
12 might want to note that it is a draft document, and 11
13 plants' data is all that you had at the time you went to
14 press with this.

15 It's a lot of work. I think you've simplified it
16 well. I think you need a couple more footnotes and a heavy
17 Draft up in the left-hand side, and we'd all understand it a
18 lot better.

19 Thank you. It is a good process.

20 MR. BILLY: Alice?

21 MS. JOHNSON: I want to talk a little bit -- Alice

1 Johnson, National Turkey Federation.

2 In May, as Mike referenced, I talked a little bit
3 about some of the training efforts that the meat and poultry
4 industry that had volunteered for the HIMP project were
5 undergoing, and at that point we had submitted to the
6 International HACCP Alliance proposed curriculum for their
7 review.

8 The International HACCP Alliance is based out of
9 Texas A&M. It has on its membership industry, academic.
10 AVMA is a member. They submitted the outline, the
11 curriculum outline, through their training committee, which
12 is made up of several veterinarians and educators across the
13 country, and they approved it with some minor revisions, of
14 course, and have put it on their website now.

15 It was the intent of this is meat and poultry
16 working together to try to come up with some sort of we want
17 a standard curriculum so that not just anybody can say oh, I
18 can teach you how to do HIMP in two minutes and it be okay.

19 It would follow pretty much what most of the industry did
20 as far as the HACCP courses with an approved third party
21 curriculum.

1 When a company or an individual wants to do
2 training in order to be approved through the Alliance, they
3 have to send their training materials to the committee. The
4 committee reviews it and does a comparison between the
5 outline as written and what the materials are. In that way,
6 Dr. Jan, we hope we're getting a lot of uniformity in what's
7 being taught.

8 The courses include certifying a lead instructor
9 so that there is one person who has gone through additional
10 training and is deemed appropriate for a trainer and lead
11 instructor by the Alliance for HACCP implementation. FSIS
12 has done a really good job in trying to provide training,
13 but you can't send -- a lot of companies are training 60
14 people, and you can't send 60 people to Texas for the
15 training course so they send a couple of people that later
16 become their lead or their supervisory training people.

17 All of the plants up to this point have
18 veterinarians, and it is the recommendation of the meat and
19 poultry working group that worked through this that a
20 veterinarian have a part in the training and do follow up.

21 One important issue with the HACCP Alliance is

1 that all training has to be recertified every three years,
2 and that way they're assuring that if there are issues that
3 need to be addressed or changes made that it is incorporated
4 into the document. I think the industry now and others, at
5 least three companies that have their programs, work through
6 this approval, and it's hoped that some of the consultants
7 can come in similar to what happened with HACCP.

8 If HIMP goes forward and is mandated, there's
9 going to be a lot of plants that are going to need training
10 quickly, and hopefully the work that's been done can ease
11 that burden financially on getting the training materials
12 together and also provide the uniformity in the recognition
13 of a third party. It's not just an industry program.

14 We did a comparison, and most of what you see in
15 this outline came from the FSIS inspector training short of
16 the admin stuff that the inspectors go through with travel
17 vouchers, non-compliance. I think you'll find that in most
18 cases companies are devoting more time to the pathology
19 issue than probably what USDA is doing because of a lot of
20 the other requirements.

21 There is a follow up correlation and there's

1 testing, and the sorters actually receive a certificate
2 saying they've gone through this training, and they are
3 looking at the updating process.

4 I do have some handouts. I don't know if it's
5 appropriate to hand them out to the committee. It's off the
6 HACCP web page and just talks about the fees for
7 registration of the program and the training committee that
8 the Alliance has put together.

9 MR. BILLY: Why don't you do it at the break?

10 MS. JOHNSON: Okay.

11 MR. BILLY: That will be in about two minutes.

12 MS. JOHNSON: All right.

13 MR. BILLY: Jim?

14 MR. DENTON: Thank you, Tom. Jim Denton with the
15 Poultry Center at the University of Arkansas. I would like
16 to take this opportunity to thank you for the approach that
17 you have taken in sharing the information with regard to the
18 HACCP inspection models project.

19 Speaking to that issue from the scientific
20 research basis that I do the work in, what we've seen this
21 morning is the natural curiosity that comes attendant with

1 any well-designed project. We get a little excited and a
2 little encouraged about this. We have that natural
3 curiosity of wanting to take a sneak peak at the data and
4 see where this thing is actually leading us.

5 What we're sharing is the fun part of the
6 scientific process because when we begin to see results like
7 this that are encouraging that causes us to get a little bit
8 more excited about it, but what we've really identified is
9 the danger that is attendant to going too soon before you've
10 actually completed the project.

11 I anticipate that it's going to follow along the
12 trend lines that we see right now, but I think that we do
13 have to complete the project, conduct the analysis,
14 interpret the data. Then we have a lot more sound basis by
15 which we can make the decisions with regard to the next
16 step.

17 MR. BILLY: Okay. What I'd like to do now is have
18 a break for 15 minutes.

19 MR. GRASSO: Tom, can I have one minute? One
20 minute. I can do it in one minute.

21 MR. BILLY: All right.

1 MR. GRASSO: One minute. You need to know that we
2 had to redesign the project, okay.

3 MR. BILLY: I was going to come back to that.

4 MR. GRASSO: After the break?

5 MR. BILLY: Yes.

6 MR. GRASSO: Okay. Done deal. All right.

7 MR. BILLY: All right. A 15 minute break.

8 (Whereupon, a short recess was taken.)

9 MR. BILLY: Okay. We're going to get started
10 again.

11 I wanted to remind everyone, in particular the
12 committee, that this is a briefing. This isn't one of the
13 three issues that we're going to address. I think we
14 learned some important information that will help us in
15 terms of future briefings and sharing information with the
16 public.

17 What I'd like to do is have Mike now very briefly
18 just inform us to complete his briefing on the status of the
19 project, including the issue that was raised by the Court
20 case and the decision in the Court.

21 Mike?

1 MR. GRASSO: Thank you. I've handed out a
2 colorized chart, so maybe it will be a little bit easier to
3 understand it.

4 As it relates to the Court case, I'll just give
5 you a quick update. We originally won in the District
6 Court. The AFGE appealed to the U.S. Court of Appeals. The
7 U.S. Court of Appeals ruled in favor of the AFGE, and the
8 AFGE filed for an injunction to stop the project.

9 We have as of the 20th of this month filed our
10 final documents, and now it's in Judge Lambert's hands in
11 the District Court to render a decision. When that decision
12 will occur is anybody's guess. Maybe two or three months.
13 We'll see what happens.

14 How we redesigned the project is we put together a
15 flow chart for you of a poultry slaughter line, and, as you
16 can see, we have identified a CI, and that's a carcass
17 inspector. That carcass inspector now is at a permanent
18 location after the final wash and before the chiller.

19 The carcass inspector is there permanently making
20 the critical determination on each carcass whether it's
21 adulterated or not, so at this location the plant has

1 already done all of their sorting, all of the washing and
2 trimming of the carcasses, and we have an inspector at that
3 location making that determination.

4 As you'll see on the chart, we have a VI or
5 verification inspector, and this inspector performs all of
6 the direct bird reinspections, the 80 and the 20 per shift
7 per line for food safety and OCP defects. They actually
8 look at plant records. They also take micro samples, so
9 they're doing all of that verification activity.

10 In addition, we have an SI, and that's the IIC or
11 the SVMO that's looking over the entire inspection process
12 within the plant, so those are the three layers that we have
13 under the redesign.

14 I've also attached for your information, and I
15 know we're on a time crunch right now, but on the swine side
16 I've attached the antemortem activities where there was no
17 change that we look at 100 percent of the animals. Then
18 taking it to the postmortem activity, the next sheet, swine
19 is a little bit different than the broilers where we have
20 the carcass, the head and the viscera, and we could have up
21 to three inspectors at those three locations, so you can see

1 the carcass inspectors and where they're located.

2 We have the same activity for the VI, verification
3 inspector, and also for the system inspector, which is the
4 IIC.

5 Yes?

6 MR. BILLY: Here's my concern. We're running
7 behind. We're about a half hour behind. This is a
8 briefing. My question to the committee is would it be
9 sufficient to have Mike and the other people involved around
10 to answer questions after we break for lunch because this is
11 only a briefing. It's not one of the issues we're going to
12 be addressing.

13 I don't want to deny anyone the opportunity to
14 comment. I just want to try to manage this time so that we
15 get through the day in the manner that the committee is
16 urged to do so. I'm just trying to get a sense. With that,
17 I'll leave it to Nancy.

18 MS. DONLEY: Can I respond to your -- I
19 understand, except that I think that this topic is something
20 that is so of such a critical nature to everybody that I
21 know I have some plans during the lunch break, and I'd like

1 to hear from the other committee members as well as far as
2 -- and perhaps they may have some of the same questions I do
3 on this.

4 I'll keep my questions really brief. I promise.
5 I found with the initial handouts your three comparisons
6 very helpful on the poultry where you had the traditional,
7 current HIMP and then redesigned HIMP. That was very
8 helpful, and I would ask that we get that same information
9 on the market hogs as well. You just provided the new
10 redesigned HIMP model, but my material at least did not
11 include any of the current HIMP and/or traditional, so if we
12 could have that I would find that very, very helpful.

13 Then just one clarification if I could with the
14 poultry, and that is that on the current HIMP you've got I
15 just want to verify that this prechill verification location
16 was designated as a CCP before, and it's not indicated so on
17 the redesigned HIMP. Am I reading that correctly, or has --

18 MR. GRASSO: It's the same. Verification
19 activities, okay, occur before the carcass inspector, and
20 all of the plant's activity occur before those two
21 inspection activities, verification and carcass inspection.

1 MR. BILLY: But that doesn't answer her question.

2 MR. GRASSO: It's before.

3 MR. BILLY: Is there still a CCP --

4 MR. GRASSO: Yes.

5 MR. BILLY: -- at the same point --

6 MR. GRASSO: Yes.

7 MR. BILLY: -- in the plant?

8 MR. GRASSO: Yes.

9 MS. DONLEY: Those verification checks are CCPs.

10 MR. GRASSO: That's right.

11 MR. BILLY: Yes. So maybe that needs to be added
12 to the chart to make them comparable, I guess. That would
13 help.

14 Nancy, do you have other questions?

15 MS. DONLEY: I just want to understand, making
16 sure I understand these flow charts correctly, that under
17 traditional with the redesigned HIMP, whereas under
18 traditional inspection you had two lines feeding in with the
19 sorting area there and the inspection, and then they went
20 through after the carcass, after the separation and then the
21 trimming and then the prechill, the two lines. By the time

1 it gets to the chiller, the two lines have converged in and
2 gone in, so you had four people, if you will, at the point
3 of looking at each individual carcass.

4 On the redesigned HIMP where you've got the
5 on-line inspector at the pre-chiller stage, you've got one
6 inspector now that is looking at double volume of what two
7 inspectors had previously been looking at. Am I
8 understanding this correctly?

9 MR. GRASSO: It all depends upon the line speed in
10 the plant. With the inspectors performing the inspection
11 activities upstream it was based on approximately 35 birds
12 per inspector, so if the plant was running 70 birds a minute
13 there would have been two inspectors there.

14 MR. BILLY: I don't think that fully addresses
15 your question. The premise of your question is that they're
16 looking at the same thing and they're not because --

17 MS. DONLEY: Right.

18 MR. BILLY: -- under the redesign what they're
19 looking at are carcasses that have been sorted, and all the
20 various conditions that are observed have been removed by
21 the plant so it's not the same thing whereas in traditional

1 inspection we're seeing that right after the birds are
2 rehung and all of that is there for us to identify, and then
3 either we remove or the plant addresses, depending on what
4 the defect is, so it's not. It's really quite a different
5 role with the redesign and what the inspector is able to
6 spot because all the sorting has taken place.

7 Katie, and then Alice, and then we're going to
8 stop.

9 MS. HANNIGAN: My only comment would be as a
10 committee member I prefer if the briefing stay to exactly
11 their time frame because my concern is tonight when we're
12 trying to do these individual meetings if we haven't
13 discussed the issues at length we're going to struggle all
14 evening. I mean, the conversation has been excellent, but I
15 think we've got to stay with the issues.

16 MR. BILLY: Okay. Thanks.

17 Alice?

18 MS. JOHNSON: I have to follow that? Alice
19 Johnson, National Turkey Federation.

20 In Nancy's comment about the verification being a
21 CCP, the verification is done by the agency, correct?

1 MR. GRASSO: Correct.

2 MS. JOHNSON: And the plant puts their CCP
3 wherever they feel appropriate within their process, and so
4 a CCP -- most plants are going to put them before the
5 carcass inspector or wherever they deem appropriate, but the
6 verify is the agency, and it's up to the plant where they
7 put a CCP, but everybody is going to be sure that it's done
8 before it goes through the verification step you can bet. I
9 just wanted to clarify that.

10 MR. BILLY: Okay. Great. Okay. Thanks a lot.

11 Okay. Now I'd like to move on to one of the three
12 issues, which is sharing recall information with state and
13 other federal government agencies. This is under Tab 8 in
14 your book, and we have Charlie Gioglio to give us a
15 presentation on this important issue and lay out the
16 questions that we'd like you to address.

17 Charlie?

18 MR. GIOGLIO: Okay. Thank you, Mr. Billy. Back I
19 guess it was on September 19, the agency issued a proposed
20 rule that would add a new section, I guess it's Section
21 390.9, under our administrative regulations which would add

1 a section amending the -- excuse me. To add a part about
2 sharing recalled distribution information, meaning the
3 actual customer lists, with the state programs and other
4 federal agencies.

5 The comment period for that rule is open until
6 November 20. The Section 390.9 is, as I said, under the
7 Freedom of Information section, and I'm going to go on and
8 describe it in some detail, but I'd like to go back and give
9 some background on recalls and how recalls are administered
10 by FSIS.

11 When a firm initiates/conducts a recall of meat
12 and poultry products, FSIS expects that that firm contact
13 usually orally, first by telephone, and then a follow up in
14 writing, all of the consignees or customers of their
15 particular products. In that instruction, we all expect
16 that they provide instructions of what those consignees
17 should do with the product, how those particular possibly
18 they were distributors or others, someplace in the
19 distribution chain, how then those consignees should contact
20 their subconsignees and provide instructions of what then
21 they should do with the product and so forth.

1 When a recall is initiated, FSIS, we have our
2 compliance officers go to the plants and then to the
3 subconsignees, okay, or the consignees of the plant and
4 collect the distribution information. That information then
5 or the customer lists are used by our compliance officers
6 when they go out to perform recall effectiveness checks.
7 They'll visit X number of distributors, retail stores and
8 the like to see then if the firm has in fact carried out its
9 agreement with us and their responsibility in providing
10 correct information, removing the product from the shelves
11 and so forth.

12 That distribution information is considered
13 confidential commercial information. As such, we then do
14 not disclose the information to the general public. We use
15 it for the purposes as I described of performing the recall
16 effectiveness checks. The information is not discloseable
17 under the FOIA.

18 Over time, states and other programs, other
19 agencies, have requested from FSIS that we provide them with
20 those lists of distribution information, and FSIS has
21 continued to deny those requests based, as I've described

1 earlier, on the fact that the information is considered
2 commercial confidential.

3 The rule, if it would be finalized in its current
4 form, would allow FSIS then to share that distribution
5 information with states or other federal agencies, provided
6 that the agency that's requesting the information would in
7 writing establish its authority to maintain the
8 confidentiality of the information and also provide a
9 written commitment not to disclose such information without
10 the written permission from the submitter or, in this case,
11 the recalling firm or their consignees and distributors
12 and so forth or written confirmation from FSIS that the
13 information is no longer to be held in confidential status.

14 If the requestor of the information was another
15 federal agency and it was requested of them that they
16 disclose the information publicly, then the other federal
17 agency should refer that request to FSIS. In addition, the
18 FSIS administrator or his designee would need to designate
19 that the disclosure of such information was in the interest
20 of the public health.

21 I guess the last provision is that the disclosure

1 of this recall information, the distribution lists, would
2 not in any way change the status of trade secret information
3 or any other Freedom of Information requirements or
4 protections under that Act.

5 What we would like then, and we'll have some time
6 hopefully for some questions here. What we would like then
7 the committee to discuss and give us recommendations on is,
8 first of all, I guess generally the merits of the proposed
9 rule as written, how best also could this regulatory change
10 be implemented in cooperation with state agencies and other
11 federal agencies, can the committee identify any particular
12 factors that would either facilitate or impede the
13 implementation of this provision, what are those factors and
14 how can we then overcome them in implementing it.

15 Basically I guess I would say that our overall
16 effort here is to create or attempt to create a uniform
17 system as best we can among all the agencies that would be
18 involved in a recall. We would also appreciate the
19 committee to discuss and deliberate how we might establish a
20 system of communication between and among FSIS and let's say
21 state programs that would be involved in performing

1 effectiveness checks and so forth on an individual recall or
2 recalls in general, what mechanisms should we develop, how
3 best we establish those communication links and so forth
4 among the agencies.

5 I guess I would close to say, and I'll wait to see
6 what questions you might have, but to say FSIS' expectations
7 would be and the reason that we've been I think requested as
8 often as we have by state agencies primarily for the
9 distribution list is that state agencies often have their
10 personnel in the field visiting retail stores and other
11 businesses performing recall audits, effectiveness checks
12 and so forth, and we'd like to establish the mechanism where
13 FSIS then would get the benefit of that data also coming
14 back to the agency to assist us in our effort in judging
15 whether or not the recalls have been effective, the
16 timeliness of such and so forth.

17 MR. BILLY: Okay. Thanks, Charlie.

18 Questions? Yes, Alice?

19 MS. JOHNSON: Charlie, I think that the meat and
20 poultry industry is -- one common goal you share with the
21 agency is if there's product out in the marketplace that is

1 a threat to public health then everybody wants it removed as
2 quickly as possible.

3 You talk a lot in the preamble about the
4 distribution list, and that seems to be where the agency is
5 going with the sharing of information, but it's not
6 specifically stated in the regulation. Is there any other
7 information that the agency might deem appropriate that you
8 could think of?

9 I mean, by not clarifying specifically this type
10 of document is what we're talking about, is that --

11 MR. GIOGLIO: The way we termed it in the
12 regulation, Alice, was recall distribution data or recall
13 distribution information, I believe. At this point, that is
14 what we are limiting. The scope of this regulation, okay,
15 of this proposed change, would be limited to that.

16 It would not change -- let me just say to clarify,
17 it wouldn't change the status of the way we distribute the
18 information we presently do at all. In other words,
19 currently when there is a recall we put together our
20 documents, what we call our recall notification reports.
21 That does have specific information on the codes of

1 products, the general distribution, meaning cities and
2 states where we know the product has been shipped to. That
3 would not change any of that, okay? We will continue to do
4 that, continue to do our present policy on issuing press
5 releases and so forth.

6 The rule only contemplates at this point the
7 sharing with state or other federal agencies the actual
8 customer lists or, you know, what we term the recall
9 distribution information. If that's a point that we need to
10 go back to clarify in the preamble, we can look at that
11 again to make sure that we're clear there that that's what
12 we're talking about.

13 MS. JOHNSON: One more question. In the preamble
14 you do mention -- you refer to class recalls.

15 MR. GIOGLIO: Uh-huh.

16 MS. JOHNSON: Is it the intent of the actual
17 regulation to limit this type of information sharing to
18 Class I recalls?

19 MR. GIOGLIO: No. I think it would be -- as I
20 mentioned earlier, it could cut across any class of recalls,
21 Class I, II or III, provided that the administrator of FSIS

1 has deemed that it's in the interest of public health.

2 So the way the rule is written now, there could be
3 a case where there is a Class III recall for an issue that
4 is of no public health significance at all where conceivably
5 that information would not be shared.

6 I would say in general we get the requests then.
7 Really we get the requests on the public health related
8 recalls, and generally the Class I recalls are of the most
9 concern to everyone.

10 MS. JOHNSON: Thank you.

11 MR. BILLY: One clarification. Alice mentioned
12 the regulation, and Charlie said the regulation. It is a
13 proposed regulation.

14 MR. GIOGLIO: Right. A proposed regulation.
15 Exactly.

16 MR. BILLY: I want to make sure that's clear to
17 everyone.

18 Go ahead, Gary.

19 MR. WEBER: Gary Weber with the National
20 Cattlemen's Association.

21 Just a curiosity. How would you verify who was

1 requesting to have the list provided to them? For instance,
2 somebody calls up, and I say I'm Gary Weber. I represent
3 the State of New York Public Health Department. How do you
4 go through a process of getting that?

5 MR. GIOGLIO: Actually, that's part of the
6 mechanism that we're going to need to establish, but
7 actually before we would provide the information to a given
8 requestor, okay, the particular agency that that requestor
9 would be representing would need to provide the written
10 documents to FSIS, okay, one, establishing their authority
11 to protect the information, meaning that they would be
12 operating under similar FOIA law that FSIS is or that the
13 federal government is and that they commit then in writing.

14 The particular program or the particular agency
15 would commit also in writing that they intend to maintain
16 the confidentiality of that information. In other words,
17 they would be using the information in much the same way
18 then that FSIS uses it, uses it now.

19 MR. BILLY: And perhaps that might be an area that
20 the subcommittee and the committee then might want to look
21 at.

1 MR. GIOGLIO: Exactly.

2 MR. BILLY: One possibility would be to include in
3 the protocol that the state agency or whoever provide a list
4 of names of people that are subject to this arrangement or
5 some mechanism like that.

6 MS. WOTEKI: My last question is what would be the
7 penalties for somebody violating those provisions in a
8 state? What would happen to somebody who didn't follow
9 that? What would you do? I mean, we can talk about that in
10 the committee, the subcommittee, but I'm just curious.

11 MR. GIOGLIO: Let me just say this. I don't have
12 any specific answer to you on that. If a given agency would
13 then have violated both their written commitment to FSIS and
14 in fact had violated the Freedom of Information Act, I think
15 that the same provisions that would apply today to a federal
16 agency doing such would apply then in that case to the
17 particular say state agency or the individuals who in
18 essence disclosed that information in violation of the law.

19 MR. BILLY: I think we can get some clarification,
20 but I don't think it's the provisions under the Freedom of
21 Information Act. Rather, it's the provisions under some

1 other older Act like the Confidential Business Information
2 Act or some.

3 As I recall, there are both civil and criminal
4 penalties for the revealing of confidential business
5 information. It applies to us. It would apply under these
6 arrangements. Maybe that's also an area that the committee
7 might want to consider.

8 Yes, Collette?

9 MS. SCHULTZ KASTER: Yes. My question is whether
10 or not both FSIS and states would then be performing
11 effectiveness checks, or is the intent to sort of coordinate
12 this effort? I'm a little unclear as to the rationale
13 behind how that would come together.

14 MR. GIOGLIO: Let me say generally the requests
15 that we've gotten from state programs specifically, and
16 that's both the state Departments of Health and in some
17 cases Departments of Ag if they have meat and poultry
18 inspection programs, depending on the individual state.
19 They have requested the information from us primarily to do
20 effectiveness checks, or in some cases they call them audits
21 and so forth.

1 Often individual states go to the companies
2 themselves and have been provided this information. That's
3 generally where my office and others in FSIS would refer
4 requestors of the information back to the individual
5 companies that are conducting the recalls.

6 We would hope that through this effort we would be
7 able to establish a more uniform procedures and protocols,
8 okay, where if states were performing effectiveness checks
9 that we would be -- they would be performing them according
10 to the same protocol that we would, and I think that's going
11 to have to take some working together of FSIS and the state
12 programs to work out those mechanisms and so forth.

13 We have interest that the information then that
14 the state is collecting would flow back into our system, and
15 I think there's benefits for that both from our programmatic
16 point of view and also for both the public and the companies
17 involved, frankly, in that we will then be able to get a
18 better handle on the effectiveness of the recall and in fact
19 close the recalls out I think more quickly since we have
20 more people performing the same type of work. We feel
21 confident in the information coming in if we're all

1 following the same type of data collection activities.

2 MS. SCHULTZ KASTER: But that would be a Stage 2?

3 That's not laid out --

4 MR. GIOGLIO: That is not.

5 MS. SCHULTZ KASTER: -- in the current proposal?

6 MR. GIOGLIO: No. That is not in the proposal.

7 MS. SCHULTZ KASTER: So as it is right now, that
8 would just be -- that sharing would just be in limbo, and
9 there would still be a duplication of efforts potentially
10 between the two or a lack of uniformity between the two?

11 MR. GIOGLIO: That's what we're --

12 MS. SCHULTZ KASTER: A potential lack of
13 uniformity, if you're more comfortable to answer.

14 MR. GIOGLIO: Well, that's actually one of the
15 questions that we'd like the committee to address and to
16 talk about, how best we deal with that particular situation
17 and what mechanisms should we put in place so that we don't
18 have, one, either the duplication of effort or lack of
19 uniformity and so forth.

20 I think Question No. 4, you know, when you go
21 through your packet, that that in essence is the heart of

1 the question that we're trying to get to.

2 MR. BILLY: One other comment that I would make to
3 supplement what Charlie said is often when we get this
4 interest in the list it's for the most urgent recalls where
5 there's an imminent hazard to health and a desire, a strong
6 desire, on the part of the states to really make sure that
7 the recall is happening within their state.

8 You know, it's about public health protection, and
9 they're really interested in facilitating the process I
10 guess is the way to say it, so in those instances then this
11 proposal would address that in the manner that it's laid
12 out. You know, your questions still need to be sought
13 through.

14 Rosemary?

15 MS. MUCKLOW: From a clarification point of view,
16 I haven't recently looked at the kind of cooperative
17 agreement that you sign up with a state where a state has an
18 inspection program.

19 My memory tells me that under some circumstances
20 in earlier years there would be a provision where you would
21 do some very specific compliance work sometimes in a state

1 in order to assist that state with the compliance
2 activities. Is that still part of your cooperative
3 agreement with a state, or has that provision sort of
4 disappeared over time?

5 Where there is a very clear community of interest
6 and a structure set up with some very clear cooperative
7 agreement there may be occasions where this could be useful,
8 but we are dealing with companies' proprietary information.

9 As Alice said, when there's a problem, a health problem,
10 the product needs to be brought back, but there's a lot of
11 information out there already.

12 The handing over of proprietary information to
13 people unknown across states can be a very troubling
14 question, so there is a balancing of the interest in getting
15 the product back and using every means to do that and the
16 potential distribution of proprietary information, which can
17 do a company in, and so there is a very significant balance
18 there.

19 I'd be interested in how the cooperative
20 agreements with states up to now have been able to address
21 such issues.

1 MS. HANNIGAN: Can I make a comment to Rosemary?

2 Rosemary, I really disagree with that because
3 although we may be a big business or big industry, I think
4 basically everybody knows whose customers whose are, if you
5 will. That doesn't sound real well, but I just -- I'm in
6 agreement with Mr. Billy.

7 I guess I really think when we're dealing with
8 Class I recalls I think we probably need to do a better job
9 with these effectiveness checks. Since I won't be part of
10 this committee tonight, whoever is chairing it -- I think,
11 Mike, you are.

12 MR. MAMMINGA: Yes.

13 MS. HANNIGAN: If you would so note, but I don't
14 think this customer list is as proprietary as you may think
15 because I think we basically know who everybody is
16 co-packing for and where the product is being distributed.

17 MR. BILLY: Okay. Do any of the state people want
18 to address Rosemary's question regarding what's in the
19 current agreements and cooperation in this area?

20 Terry?

21 MR. BURKHARDT: Yes. I want to comment on a

1 situation that happened in Wisconsin this summer and also
2 comment on Rosemary's issue.

3 In Wisconsin this summer, you know, there was a
4 large E.coli 0157 outbreak in Milwaukee, and when something
5 like that happens there is a tremendous amount of press
6 attention. Right at that same time, there was a national
7 recall of a company from Pennsylvania, and it was reported
8 that product was in Wisconsin so immediately the press was
9 jumping on that issue. You know, was this the product that
10 was involved in that outbreak? It was right at the time
11 where it wasn't sure at that point.

12 USDA was provided with that information, and, you
13 know, at that time it wasn't getting a release to us. The
14 press -- it was almost like the press said well, the product
15 is in Wisconsin. Where is it? USDA was not allowed to say,
16 so that was kind of an unfortunate situation.

17 As it evolved, though, USDA did share that
18 information with us. It wasn't involved in that particular
19 situation, but we were -- the state was very instrumental in
20 identifying where that product was. We located it. You
21 know, it was detained and so forth. It's very, very

1 important for that information to be shared with states, and
2 in that particular case, as it turned out, it turned out
3 real well.

4 As far as the cooperative agreements go, they're
5 written broad enough to encompass something like this, I
6 believe. You know, they talk about particularly in
7 compliance all of the state compliance officers are dual
8 certified, meaning they can do both state or federal work.
9 They can go across state lines. Jurisdiction is broad, so I
10 think that authority certainly could be encompassed in the
11 current agreement. Again, it's really important to get that
12 information to the states.

13 MR. BILLY: I have next Mike on the list and then
14 Cheryl and then Nancy.

15 MR. MAMMINGA: Right now, between FDA and FSIS
16 announcements on recalls go to many, many, many offices, and
17 there are absolutely no controls in place now about what any
18 state agency may do in response to the notice of a recall.
19 Isn't that correct?

20 In other words, if the Iowa Department of Health
21 gets an FDA notice about a recall of ground beef for E.coli

1 0157:H7, it may have come from some other place. There's
2 nothing to prevent them from sending their people out
3 without any coordination with you or me or anyone else.
4 Perhaps this exercise will give us an opportunity to provide
5 some coordination where there hasn't been any in the past.

6 I would like to have it a little clearer in my
7 mind going into this. The proposal talks about, and this
8 question was probably brought up right off the bat about
9 customer lists or consignees. Is that the length and
10 breadth of the proprietary information that FSIS might have
11 in its possession, because if I were sitting on some other
12 side of the fence and was concerned not only about each and
13 every one of my customers, as people have eluded to, but
14 perhaps also the amount of product, maybe even the price of
15 product, that could certainly throw a monkey wrench, in my
16 opinion, into this whole deliberation.

17 Could you share with me some clue as to what the
18 companies provide to you that you might provide to us that
19 we will expect to handle as proprietary information?

20 MR. GIOGLIO: Sure. For the purposes of recalls
21 and what we are actually targeting here, the type of

1 information we are speaking about here, is the specific
2 locations that a given company shipped the particular
3 recalled product or products and the amount that they
4 shipped there.

5 Now, along with that information, depending on the
6 means of the mechanism that the particular company actually
7 gives us that information, there may well be additional
8 information on there, okay, that we don't need for our
9 purposes, okay, for the recall. I mean, there may in fact
10 be price information or other information that we cannot
11 help, but that's the piece of paper that the company chose
12 to share with us. We may have all that.

13 MR. MAMMINGA: I understand. I just wanted to
14 have that out on the table --

15 MR. GIOGLIO: Right.

16 MR. MAMMINGA: -- before we started our
17 deliberations. That was the only purpose, to hear that it
18 might be there if the company provided it to you.

19 MR. GIOGLIO: Correct. Exactly.

20 MR. BILLY: Cheryl? Okay. Nancy?

21 MS. DONLEY: Do you see any way that this proposed

1 rule can work with the situation where you have a recall
2 going out from a particular retail outlet and then taking it
3 the backwards step of going to the distributor?

4 I'll give you an example that maybe in Chicago we
5 have Jewel stores, and there's a recall going on at a
6 particular Jewel store. Do you see any way that this
7 particular document could then take it back and examine to
8 the distributor level going the reverse route rather than
9 distributing forward, but retailing backwards?

10 MR. GIOGLIO: This rule does not contemplate that
11 really at all. It does not address that. I guess what
12 you're actually referring to is what we've termed or what
13 we've called a trace back where we actually attempt to trace
14 back to where particular contaminated product may in fact
15 have come from.

16 That information is collected by FSIS and let's
17 say from a particular retail store. We do attempt to work
18 backwards by looking at the particular retailer's records,
19 the particular distributor who may have shipped to that
20 retailer, their records and so forth to trace that
21 contamination back. This rule would not -- actually does

1 not contemplate that. It really just deals with the recall
2 distribution information.

3 I hope I've answered you.

4 MS. DONLEY: Yes. Is that something, though, that
5 FSIS does routinely, that in the case where it is identified
6 it tracks back?

7 MR. GIOGLIO: Yes. In the case where -- let me
8 say this. In the case of a retail recall, okay, generally
9 that's going to be ground beef, beef that was ground at the
10 retail stores. We make every attempt to trace back to the
11 source of the contamination.

12 You know, I can give you some examples, but there
13 are a fair number of examples where in fact we were able to
14 identify the suspected product, and we wound up verifying
15 that that product was in fact contaminated and had larger
16 recalls due to that.

17 MR. BILLY: Caroline?

18 MS. SMITH DEWAAL: Thank you. Caroline Smith
19 DeWaal.

20 I just wanted to note that this regulation is made
21 essential because of the fact that the federal agencies,

1 both FDA and FSIS, don't have mandatory recall authority.
2 Frequently the states have to initiate recall actions. It's
3 just critical that they have this type of information in
4 order to do their job.

5 We also don't have uniform recall authority by all
6 the state governments, so there are lots of gaps in the
7 system in terms of consumer protection because of the lack
8 of mandatory recall authority both at the federal and also
9 in some of the state agencies.

10 I'm glad to see this regulation. I'm glad to see
11 that it's out for public comment, but it's vital that this
12 information get shared and that food is removed as quickly
13 as possible, given the gaps in the regulatory oversight.

14 Thanks.

15 MR. BILLY: Okay. Terry?

16 MR. BURKHARDT: Question. Terry Burkhardt.
17 Considering how food is distributed in this country and
18 bought and sold several times, would this rule cover it
19 after the original producer has sold it to a distributor and
20 then it's again sold? Would it follow it all the way
21 through?

1 MR. GIOGLIO: Yes.

2 MR. BILLY: Nancy?

3 MS. DONLEY: Just one question. Is there any
4 reason or rule or law that says this has to be done on I'll
5 say, for lack of a better term, a passive system? Is there
6 anything that would prohibit FSIS from automatically
7 disclosing -- distributing this information to states
8 without being asked, but just automatically to designated
9 state and local officials to release this information?

10 MR. GIOGLIO: There is nothing that would preclude
11 that. I think that's something in, you know, the
12 subcommittee to discuss. What is in fact or what would be
13 the best mechanism to make the information available?
14 That's at least one option --

15 MS. DONLEY: Okay.

16 MR. GIOGLIO: -- to do that. There's probably any
17 number of different models that could be followed.

18 MR. BILLY: Rosemary, a last word, and then I'll
19 ask Mike a question.

20 MS. MUCKLOW: I'm not sure that the issue of
21 mandatory versus voluntary recall is appropriate here. I

1 always used to make my favorite statement is when did you
2 ever not get cooperation, but now we have a company that
3 didn't cooperate recently.

4 I don't know if they ever saw the light to that,
5 but it is unique when a company does not cooperate, and we
6 may have one famous or infamous case now that cooperation,
7 cooperative recalls, are what are really needed to get
8 product off the shelf.

9 As Alice started this discussion with a question
10 said we all want to get that product back the best way
11 possible, and cooperative recalls are the way to do it.

12 Thank you.

13 MR. BILLY: Okay. Mike, you chair the
14 subcommittee. Are you comfortable with the stage that's
15 been set? Are you all set?

16 MR. MAMMINGA: Sure.

17 MR. BILLY: All right. Good. All right.

18 MR. MAMMINGA: If it were easy, everyone would do
19 it. We'll just go at it.

20 MR. BILLY: Very good. All right. Charlie and
21 others will be available tonight to answer any more

1 questions that the subcommittee has.

2 Okay. It's about 12:08. We're scheduled for a
3 one hour lunch, so let's be back about 1:15 at the latest.

4 We have a little bit of information in terms of
5 where you can eat. There's restaurants here in the hotel,
6 but there's also a food court that we can give you
7 directions to I guess from the lobby.

8 MS. LUCAS: If you'd like to go to the food court,
9 if you go out of the room here to your left and follow the
10 corridor all the way around to the main lobby and take the
11 second elevator on the right-hand side of the main lobby to
12 the promenade. Once you get on the elevator, there's a P
13 marked for the promenade.

14 Once you exit the elevator, turn to your right.
15 You'll be in the mall area, and there are several eating
16 places in the mall for you to go to.

17 MR. BILLY: Okay. Thank you. See you at 1:15.

18 (Whereupon, at 12:08 p.m. the meeting in the
19 above-entitled matter was recessed, to reconvene at
20 1:15 p.m. this same day, Tuesday, October 31, 2000.)

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A F T E R N O O N S E S S I O N

(1:19 p.m.)

1
2
3 MR. BILLY: I think we'll get started again. I
4 appreciate the committee being back here in a timely manner.

5 We've got many other important issues to address, and I
6 want to get on with the agenda.

7 The next issue that we've asked one of the
8 subcommittees to address --

9 MS. MUCKLOW: Just before you get going and before
10 you get everybody in here, I would like you to know that
11 this nice token gift that you've got sitting waiting for us
12 does in no way assuage the anti-family sentiments that I
13 expressed to you before lunch.

14 I admire you for producing this really fast, but
15 it is really anti-family of this Department and this
16 Administration to hold this meeting away from people's homes
17 and to keep us working into the evening, Mr. Billy. I just
18 want to register my complaint that we are here on Halloween.

19 I understand we were also here on Mother's Day.
20 It bothers me somewhat less. Halloween and Mother's Day.
21 Better be Yom Kippur and Christmas next year or something.

1 MR. BILLY: An interesting idea.

2 MS. MUCKLOW: Thank you very much.

3 MR. BILLY: Some things are better off not
4 responded to.

5 MS. MUCKLOW: I understand.

6 MR. BILLY: This issue that we'd like the
7 committee to consider, and this falls to the subcommittee
8 that Katie chairs, is the subject area of HACCP Phase II.

9 Now, I'm sure all the committee members have noted
10 that there's no paper in the briefing book. There's nothing
11 to make available. I'm going to explain that and also set
12 the stage for some very brief presentations from four people
13 in the agency that are involved in key aspects of the very
14 formative process of figuring out what this really is, this
15 HACCP Phase II.

16 I made a comment this morning, and I want to
17 repeat it right now, which is that we have a very strong
18 desire to be transparent and to involve not only this
19 committee, but the public in our processes. This is another
20 good example of that.

21 It is our intent to develop a Federal Register

1 notice, to have papers and other things available to share
2 in advance of the public meeting that, as I indicated
3 earlier, is going to be held probably in December. We
4 haven't locked in on a date yet. We're having some problems
5 because of how busy December is and being responsive to some
6 of the concerns that Rosemary raised. I just thought of
7 that, Rosemary.

8 What we can do is I'll set the stage. We'll share
9 with you some information, and it will in fact demonstrate
10 to you that this is in the very formative stage, but,
11 nonetheless, we think it's valuable to have this committee
12 be aware of where we're headed and to have an opportunity to
13 share your thoughts or ideas with us at this stage.

14 As all of you are aware, we've gone through the
15 process now of having industry implement HACCP in their
16 plants. That's both the 6,000 federal plants and the 2,500
17 state plants where there are state programs. While we
18 believe that we had good success in getting HACCP in place,
19 our view is, based on our experience, that there's plenty of
20 room for improvement both in terms of industry and what it's
21 doing, as well as FSIS and the state programs in terms of

1 what they're doing.

2 Let me be a little more specific about that. It's
3 taken us a little over three years to get to where we're at
4 in terms of implementing the pathogen reduction and the
5 HACCP rule. It has a lot of provisions. It's got the SSOP,
6 provisions on sanitation. It's got HACCP that was phased in
7 based on plant size as you're aware.

8 After that now initial three and a half year
9 period, what I think is appropriate for us to do is to now
10 ask two questions. The first question is what can industry
11 do to improve the quality and effectiveness of its HACCP
12 programs?

13 Now, I recognize, and I think all of you will as
14 well, that there are plants out there that have excellent
15 programs, there probably isn't a lot more that they can do,
16 but as for every one of those plants there are other plants
17 where there's plenty of room for improvement. They don't
18 fully understand HACCP. They may not fully understand the
19 responsibilities. They have the same plan now they had two
20 years ago, and HACCP is supposed to be dynamic. There are
21 things that I believe industry can do to improve the quality

1 and effectiveness of HACCP for consumers.

2 In parallel with that and just as important, I
3 believe there's plenty of room for improvement in terms of
4 what FSIS and the state programs are doing carrying out
5 their responsibilities under HACCP. We've heard concerns
6 about inconsistencies within FSIS and the application of the
7 regulation, the recommendations for more training,
8 recommendations for other steps that we can do to improve
9 our effectiveness in carrying out our responsibilities under
10 a HACCP framework.

11 It's my view, and I hope it's your view as well,
12 that it would be worthwhile to have a process now that HACCP
13 is in place where we will address those two questions and
14 that we would address them together. What we're planning to
15 do is we started various groups within the agency to begin
16 talking about this. You're going to hear in just a minute
17 some of the ideas that the people within the agency have
18 surfaced, and that's just fodder for you in terms of your
19 thinking about that.

20 What we're planning to do is hopefully come
21 together with a strategy that would set some priorities in

1 terms of addressing these two questions and that we would be
2 able to announce the strategy sometime around the end of
3 January, the anniversary of HACCP implementation throughout
4 the industry, the idea being then that we would go through a
5 process.

6 We'd consider all the ideas, and we'd sort through
7 them. We'd set some priorities, and we would then move
8 forward in terms of improving the quality and the
9 effectiveness of HACCP plans in industry and improve the
10 effectiveness of what we're doing at the federal and state
11 level to make sure that HACCP is working as well as it can
12 for consumers.

13 Recognizing the possibility that we needed to do
14 something with this, we've started several groups that are
15 addressing different aspects of this. What I've asked are
16 for four five-minute presentations, and I'd like them to be
17 done in sequence. If you have any questions, note them
18 down, and we'll ask the questions after we're finished
19 because one presentation might answer the question and it
20 hasn't been given yet.

21 First, I'm going to ask Ron Hicks to talk about a

1 retreat or a go away that the senior executive management of
2 the agency had a little over a month ago, I guess a couple
3 months ago now, to explore these questions and describe to
4 you how we approached it and, more importantly, some of the
5 ideas that came out of that process.

6 Ron, would you go ahead?

7 MR. HICKS: Good afternoon. We took all of our
8 senior managers from headquarters and the field out to
9 Baltimore a few months ago, and we went there for a couple
10 different reasons. It was the first joint -- I guess first
11 corporate meeting of our senior manager leadership where we
12 started to dialogue on HACCP next steps or HACCP II and what
13 we thought it was.

14 We went there to develop themes and issues
15 associated with those themes to try and set some priorities
16 and to start to do some responsibility charting to make sure
17 that we had the right people taking responsibility for the
18 right issues through their completion.

19 We had a couple different outcomes in mind when we
20 went there. First was to create a blueprint for
21 implementing HACCP Phase II or HACCP next steps; also to

1 discuss communications issues as to how the communications
2 issues impact the work that we do and in fact our work force
3 and discuss ways to improve upon that communication.

4 The third issue was looking at workplace
5 environment issues, issues that impact our work force so
6 that we can insure that we're getting optimal performance
7 out of our work force while at the same time doing the
8 things that we need to do by our work force. Those are
9 three general outcomes that we had in mind when we went to
10 Baltimore.

11 The first thing we did was that we broke down into
12 what we called stakeholder groups and asked to list issues
13 from the perspective of different stakeholders, FSIS being
14 one, consumer groups being another, industry and so on, the
15 media, and attempt to try and start to put issues on the
16 board, on the flip charts, on the table, that we felt were
17 most important. We did that based on the question based on
18 all that I know about HACCP, we can achieve better results
19 and implement it more successfully if we, and we all
20 completed that from those various perspectives.

21 Once we had all of these perspectives on the

1 board, we then consolidated these into what we called
2 stakeholder themes, and we came up with five different
3 themes. The first theme was structure/resource issues. The
4 second theme was risk based program design/authority issues.
5 The third theme was training and education issues, fourth
6 was workplace environment issues, and the fifth was
7 communication issues.

8 Since the meeting in Baltimore, one of the things
9 that we've been most encouraged with is that, as Tom has
10 indicated, as subsequent groups met on the same general
11 overall issue of HACCP II or HACCP next steps they came up
12 with some of the very same major themes and major areas that
13 needed to be focused on.

14 I just want to give you a rundown of what were the
15 primary issues or the priority issues that each of the
16 individual groups came up with under these various themes.
17 Under the theme of risk based program design/authority
18 issues, I guess the first priority that was mentioned there
19 is we need to define what is an adequate hazard analysis and
20 what is an adequate HACCP plan. That was the first thing
21 that was seen as a priority.

1 I won't give you all the priorities, but I'll give
2 you a flavor of some of the other ones that were under
3 there. What's the role of GMPs in HACCP, the need to
4 clarify the distinction between hazard, risk and intended
5 use, risk based performance standards, insuring that we have
6 adequate tools to enforce HACCP. Those were seen as the top
7 priorities that needed to be addressed and further developed
8 in subsequent meetings from the group that worked under that
9 particular theme.

10 Under the next theme we had infrastructure/
11 resource priority issues, and this is FSIS infrastructure.
12 As you all know, we reorganized it three years ago and went
13 from a certain number of regions to a certain number of
14 districts and made some other organizational changes, too,
15 all with the purpose of allowing us to better and best
16 implement HACCP.

17 Now we feel there's a need to look at some of
18 those decisions again and make sure that we have the proper
19 organizational structure to best make HACCP work, as well as
20 the infrastructure in place to support the managers and
21 employees responsible for making things work.

1 Some of the key items under that, the first one
2 obviously would be do we have the infrastructure to support
3 the mission. The second priority was to provide work force
4 tools and empowerment. It's very important to make sure
5 that the people that we're asking to do the work are
6 adequately provided tools to do so and are adequately
7 empowered to get the job done.

8 We need to hold the work force accountable from
9 the top levels to the bottom rung, if you will, and we need
10 to continually evaluate the system. Those were identified
11 as the four key priorities under this particular theme.

12 Knowing full well that since this is not a final
13 product some of these priorities will be changed, some will
14 be added to, some may be revised based on our follow up
15 discussions and feedback and input that we get from you, but
16 the current thinking at that meeting was that these were the
17 top four priorities under infrastructure and resource
18 priority issues.

19 The third one involved training and education, and
20 this one absolutely as specifically as I just said it has
21 been raised by each and every group that has taken on the

1 HACCP II/HACCP next steps challenge. The issues raised
2 under there were supervisors need the resources to deliver
3 training to employees from a time standpoint and from a
4 fiscal standpoint.

5 Employees need to have the knowledges, skills and
6 abilities to deal with the complexities of the job, so it's
7 very important that we take that issue in a very real way
8 and see what adjustments, changes and improvements need to
9 be made.

10 Needs of the agency to partner with other agencies
11 and other organizations. The agency needs to invest in
12 outreach to its stakeholders. Those were the key areas that
13 were identified under training and education issues.

14 The fourth major theme was workplace environment
15 issues. I was part of that group, and it was very
16 interesting to hear some of the things that came out of that
17 as primary issues. Some have been deleted, but some of the
18 primary issues were the need to value our employees and
19 their contributions. That's pretty obvious and speaks for
20 itself, I think.

21 The need to have more effective management and

1 supervision. Under this whole area of workplace
2 environment, it was interesting that so much of the
3 responsibility, and probably improperly so, was placed on
4 managers and supervisors to make sure that the workplace
5 environment is the one that it needs to be.

6 Accountability is clearly defined and expectations
7 and roles are clearly defined and quality of the work life.

8 It's very important that if you ask people to do bigger
9 jobs, tougher jobs, stronger jobs that we continue to
10 consider the quality of work life in terms of taking care of
11 our employees as well. That was a very nice group to be
12 part of because they are issues that are very near and dear
13 to our hearts in there.

14 The last one, the last major thing, was
15 communications issues. The number one priority under that
16 was the need to clarify rules, roles and procedures
17 regarding HACCP. A couple of the other issues identified
18 was the need to expand formal and informal opportunities for
19 input and feedback. I think we do a good job of that, but
20 there's recognition that we can do better.

21 Enhance the development and proactively provide

1 information to the media and other stakeholders, strengthen
2 and expand partnerships through improved communications and
3 to review and strengthen our communications infrastructure.

4 Those were the five key areas that we identified.

5 Those were the issues and the thinking at that time that
6 were identified as issues under those themes. We have a
7 follow up meeting next week of our senior managers on the
8 8th and the 9th here locally where we're going to further
9 develop these themes and these issues, and we'll see what
10 happens at that point.

11 Thank you.

12 MR. BILLY: Okay. The next meeting that was held
13 again in this formative stage was held by Dr. Mark Mina of
14 the district managers and other officials from our field
15 operations area.

16 Similarly, we posed the same questions to our
17 field folks looking at it from their perspective, so now
18 you're heard sort of some of the headquarters people. Now
19 we're kind of looking at it more from the field perspective.

20 There are a lot of common areas, also some unique ideas
21 that they came up with.

1 Mark?

2 MR. MINA: Okay. Thanks Tom. As Tom indicated,
3 we met the first week in October, and we devoted two full
4 days to address the issue of HACCP Phase II. Of paramount
5 importance was for us to strengthen the foundation that we
6 built over the past three years.

7 We continued to work on continuous improvement and
8 make continuous improvement in this process because we
9 cannot afford to back slide. I think we need to make every
10 effort, collectively and cooperatively, to succeed in that
11 effort. That's how we started our meeting.

12 As Tom said, there are areas of overlap between
13 what Ron talked about and the district managers talked
14 about. One of the issues -- we divided the issues in about
15 three major categories. One of them is organizational
16 structure that focused particularly on the field operation
17 organization and whether that supports HACCP the way we're
18 structured today or we need to take a second look at that
19 and maybe refine it and adjust it.

20 One of the things that the district managers
21 talked about is to make sure that we have not only the right

1 number of people, but the people that have the appropriate
2 skills. I think as many of you know, we are working on
3 upgrading the skills and knowledge of our work force not
4 only at the in plant level, but also at the district level,
5 because it's extremely important to provide that scientific
6 and technical support in addition to the supervision and
7 management of the system.

8 One of the issues that is extremely important for
9 us to follow through on and we're working hard to accomplish
10 it is to free time for the veterinarians that are in our
11 plant to get engaged, fully engaged, in HACCP evaluation.
12 As you know, today most of our veterinarians are kind of
13 tied up with the slaughter operation and maybe don't have
14 the time to devote and properly use their skills and
15 knowledge and their education.

16 We have not as an agency capitalized on that
17 knowledge and skill, and so we are in the process of
18 figuring ways to kind of free the veterinarians' time so
19 they can spend time on evaluating HACCP and actually work
20 maybe with the producing community in other areas like
21 residues and other appropriate areas. That's also a

1 recommendation that was made by the task force of the
2 future, so we're following through on that.

3 Another area that the district managers talked
4 about in terms of the organizational structure is for us to
5 look at the circuit supervisor position and the in plant
6 inspector in charge and their subordinates and see if we can
7 make some changes in that area that would benefit us in
8 implementing -- in strengthening HACCP.

9 The second major area, and you're going to hear a
10 lot more about that obviously, is training and education.
11 We trained all our inspectors, and they've all been through
12 that eight days of HACCP training. That I think served us
13 well in the first phase of HACCP implementation. There is a
14 lot of areas that we need to train and I want to emphasize
15 educate -- more importantly educate -- our inspectors and
16 teach them what is the scientific basis for all the
17 decisions that we make.

18 In addition to the regulatory basis for those
19 decisions, they also need to understand why we're doing what
20 we're doing, so training and education received a lot of
21 attention from the district managers. They made a lot of

1 suggestions on how we do that.

2 The third area, and this is also a very important
3 area, is FSIS/industry relations and how do we improve that
4 not only in terms of sharing information, but also in terms
5 of how we deal with each other professionally and conduct it
6 in a businesslike manner.

7 Now, in terms of sharing information, they made
8 several suggestions about inviting industry to district
9 manager meetings and circuit supervisor meetings, also maybe
10 creating a chat room and put case studies on the internet
11 and have a discussion about actual case studies because we
12 have three years of experience in HACCP. We know what works
13 well and what doesn't work for us and have a discussion
14 about what worked and what did not work. Also maybe develop
15 some CDs and share those.

16 We also are seriously considering face-to-face
17 training sessions. You know, that's probably easier said
18 than done because of the large work force that's
19 geographically dispersed throughout the country, so we have
20 plans to do some face-to-face training plus using the
21 technology that we have today to transmit that information

1 and, more importantly, share that with industry so we'll
2 all be hearing the same thing on what's required and how
3 we're going to accomplish it.

4 Basically those are the three areas. There are
5 several subtopics that I'm not going to get into. I'll turn
6 this back to Tom.

7 MR. BILLY: Now, our plan at the meeting coming up
8 next week is to have several representatives of the field,
9 the district managers, participate now with the executives
10 that met in Baltimore, so we're starting to blend this
11 together to come up with more comprehensive themes, if you
12 will, of the areas that we as an agency need to focus on, as
13 well as any ideas we have for industry in terms of what they
14 need to do.

15 Another area that will contribute to this is the
16 area headed up by Yvonne Davis, which is our work force of
17 the future task force. This has been underway for over a
18 year, and it's focused on identifying the make up of our
19 work force that we need to carry out our roles in the future
20 based on a HACCP environment.

21 Yvonne has also had her task force look at this

1 area and come up with some recommendations. Now, in this
2 instance her task force is made up of people at all levels
3 of the agency, so now we're moving away from management to
4 people at the inspector level, the technician level, all
5 throughout the agency and different parts of it. I'll let
6 Yvonne explain some of the ideas that they came up with.

7 MS. DAVIS: Thank you, Tom. Well, as Tom said,
8 our steering committee does represent a good cross section
9 of the agency. We have about 35 individuals that come
10 together periodically to talk about work force issues.

11 Our most recent meeting was at the end of
12 September, and we also focused on the same themes, wanting
13 to come up with a set of recommendations that would be
14 useful from a work force perspective in helping the agency
15 improve the effectiveness of its HACCP program, improve the
16 work place environment and communication and also to deal
17 with some of the cultural change that this group felt was
18 needed to further the agency's mission.

19 In terms of the first theme that we looked at was
20 HACCP and looking at it from the standpoint of beyond
21 basics. Where do we need to go now with HACCP now that it's

1 implemented, has been in place and is operating? They had a
2 number of recommendations in this regard.

3 Two major issues that they focused on were that
4 HACCP plans need to be improved to make the system work as
5 effectively as possible, and they said that one way to do
6 that would be to establish FSIS teams to look in depth at
7 HACCP plan design and do correlation with industry and
8 inspection.

9 They talked about developing guidance materials on
10 realized case studies for technical assistance to industry.

11 At Dr. Mina's supervisory conferences that he held this
12 year there were sessions on case studies that were very
13 effective in communicating how to evaluate if HACCP systems
14 are working and carried out as they are intended. This
15 group felt we needed to do more of that work using case
16 studies and working with industry.

17 Also, have an industry/FSIS meeting on best
18 practices. Industry could use it as a forum to highlight
19 and recognize good plans and again use the format of a case
20 study.

21 In terms of the second issue, which is FSIS needs

1 to improve the effectiveness of inspection under HACCP, the
2 group thought that we needed a training needs assessment.
3 You're going to hear a lot of recommendations about training
4 and education. I think you heard it from the district
5 managers, from the executives, and you're hearing it from
6 the work force as well.

7 Specifically, this group felt that we needed to
8 refocus and retrain on hazard analysis, scientific validity,
9 enforcement, regulations, data interpretation, critical
10 thinking and applied computer skills.

11 We also need to change the supervisory mind set in
12 terms of accountability, training, improved camaraderie,
13 more teamwork, rewarding good practices and providing good
14 supervisory models. I think we have a lot of very effective
15 supervisors. We have some that need to do more work.

16 They are also dealing with a new system and all
17 the change that's going on in the agency, so we need to
18 provide support to them so that they can carry out their
19 responsibilities. Creating resource teams for correlation,
20 answering questions on site assistance for both improving
21 HACCP plans and the effectiveness of inspection.

1 This group, too, recognized that the VMO, the
2 veterinarian, needs to have time freed up to focus up on
3 systems kinds of analysis, leaving free the supervision that
4 takes place in the large slaughter plants to perhaps a
5 supervisory food inspector. They felt that that was very
6 important.

7 The second issue or theme that we looked at was
8 workplace environment, and the group was very energized by
9 talking about the environment. A couple of issues that they
10 focused on was the employees often do not feel valued by the
11 agency. Not a surprise. I think that things are happening
12 so quickly in FSIS with all the changes that sometimes you
13 feel kind of lost as an employee in the process.

14 They thought that maybe it was a time to take a
15 look again at how their performance is appraised, although
16 they did agree that a new performance appraisal system
17 itself may not be the answer. It may be making sure that
18 the current system is carried out in an effective way, that
19 they do get appraised, that they get good, rich feedback on
20 where they need to improve, looking at the award system,
21 making sure that it's recognizing effective performance.

1 The second issue area under workplace environment
2 was some field employees do not feel they have the
3 information that they need to perform their jobs, and one of
4 the recommendations was to encourage or insure that circuit
5 supervisors and IICs hold quarterly work unit meetings.
6 They felt that that was a really effective way of getting
7 across information from the immediate supervisor. Of
8 course, that supervisor needs to rely on the rest of us in
9 the agency to get the information to them to convey in a
10 meaningful way.

11 Also, an issue was with 90 percent of the FSIS
12 budget needed for salaries, there's very little
13 discretionary budget available for the agency to provide
14 many of the employee programs it needs to make it an
15 employer of choice. You'll hear that over and over again.
16 FSIS needs to be an employer of choice.

17 We're having a difficult time recruiting, as many
18 organizations in the public and the private sector are, and
19 so we need to put in place the kinds of employee programs
20 that will help encourage people to come to FSIS and to stay.
21 The way to do this would be to provide convincing evidence

1 to Congress that we need more discretionary funding to
2 provide these programs.

3 The third theme, and we want this together, is
4 training, education and communication. The first issue was
5 the agency must recognize training as both a priority and a
6 necessary work force investment. I know you'll be hearing
7 more about that under our next topic.

8 Under the current system, training funds are the
9 first to be cut. I think everybody understands that,
10 doesn't like it and wants to change it. The group
11 recommended that we dedicate funding for training through a
12 budget line item. This is not the only group to make that
13 recommendation, but they did feel that that was an important
14 way of insuring people get the training that they need,
15 especially in a new system.

16 Factor in ten percent of inspection work time for
17 training activities and a new work assignment system was
18 another recommendation. Again, we feel that distance
19 learning is very -- is a good vehicle for lots of types of
20 training, but they also felt it was important to look at
21 what the training was, the content of the training, to

1 determine when distance learning is the most effective or
2 face to face discussions or training are more important to
3 do.

4 Improve supervisory skills of all managers through
5 training in this communication with their subordinates.
6 Team building, performance appraisal and managing conflict
7 and delegating work. Lastly, provide training in workplace
8 violence prevention, conflict management and change
9 management to all FSIS employees.

10 The last issue, which I think is an important one,
11 was sharing and obtaining information should be every agency
12 employee's responsibility. I think the group understands
13 that it's difficult to maintain communications on a regular
14 basis with a dispersed work force when things are changing
15 so rapidly and that it is also the employees' responsibility
16 to use the information and the tools that are out there, the
17 vehicles, to keep informed on these changes and how they
18 affect their daily work environment.

19 The last issue that they addressed was culture
20 change, and we set this one apart from workplace environment
21 because we thought it needed some specific focus. The first

1 issue was that FSIS needs to shift its culture to insure
2 that employees at all levels are held accountable for their
3 assigned responsibilities and are prepared for their new
4 roles in a dynamic, changing organization.

5 This one I think does deserve some special
6 attention that the group recognizes that we are all
7 accountable for our own performance. I think this is a
8 change in culture. I think our agency has often times felt
9 that supervisors are responsible for telling us what to do
10 and when to do it and how to do it. I think that today the
11 work force realizes they need to do a lot more for
12 themselves to make sure that they're doing their jobs
13 properly.

14 Also develop a mechanism to shift employee
15 attitudes towards both industry and their co-workers from
16 kind of a top down command and control finger pointing/fault
17 finding to a more collegial, cooperative and professional
18 relationship.

19 Lastly, all cultural changes should be accompanied
20 by thoughtful, integrated transition processes. Again, this
21 notion of the need to manage change is very apparent.

1 Transition planning needs to be an integral component of any
2 major change to insure that the merits of the old system are
3 brought into the new and that management or union field and
4 headquarters employees are all on the same page.

5 Lastly, recognizing that FSIS has an aging work
6 force, provide an effective succession plan with appropriate
7 use of retention bonuses to make sure that we have the work
8 force that we need to carry out the program, today's
9 program, and the food safety system of the future.

10 MR. BILLY: Thank you, Yvonne.

11 The last presentation is going to be given by
12 Jeannie Axtell, although it is Peggy Nunry that has headed
13 up this area, which is our TEC 2001 group focusing on
14 training and education, so we've gone from sort of the very
15 large picture, and now we're narrowing it down. This is a
16 little more specific focus on this very important area of
17 training and education.

18 Jeannie, five minutes.

19 MS. AXTELL: Yes, sir. Thank you, everyone.
20 Peggy is here with us today, but has just returned from
21 leave. Rather than put her on the spot, she's here to

1 answer questions that may come up later just in case I don't
2 give the right answer.

3 The Training and Education Committee 2001 is what
4 we've called TEC 2001. This has been a separate effort
5 that's been underway for the better part of a year now and
6 has had a dual focus. The first focus of this committee has
7 been to look at what are the KSAs that our employees need,
8 and by KSAs I mean the knowledge, skills and abilities that
9 our employees need to be successful in their jobs.

10 I think as you heard from the presentations that
11 Ron, Mark and Yvonne have given, the notion of employees
12 understanding the complexities of their jobs and being
13 properly equipped and empowered to carry them out is a very
14 common theme that has transcended all of these various work
15 activities.

16 The second focus for the TEC 2001 committee has
17 been to explore what our responsibility is as a federal
18 agency to provide for shared training and education
19 opportunities with various stakeholder partners, and by
20 stakeholder partners we mean very broadly speaking industry,
21 consumers, state and local agriculture and public health

1 officials, our international trading partners, academia and
2 the American public from the standpoint of food safety
3 education.

4 As one part of the TEC 2001 effort, this past
5 summer a future search conference was held in which these
6 various stakeholder partner groups were brought together to
7 begin to talk about some of these opportunities for shared
8 training and education experiences and through that to begin
9 to discuss some common ground for the future.

10 This afternoon I'm not going to touch on all
11 aspects of what came out during the future search
12 conference, but simply to highlight those particular
13 thematic areas that were held in common with the themes that
14 have been discussed at these other sessions that have been
15 held in subsequent weeks. I think you will find in the
16 identification of these again there is beginning to be a
17 very broad and common sense of a set of themes that should
18 be undergirding efforts that we're doing in the training and
19 education area and that spread across the agency's
20 initiative.

21 The broadest one is the issue of partnerships and

1 collaboration and the whole notion that at all levels of
2 government, industry, academia, with consumers and with all
3 stakeholders we ought to be looking, FSIS ought to be
4 looking, for opportunities for partnerships and
5 collaboration in areas that will facilitate understanding.

6 There's also beginning to emerge in both private
7 and public sector efforts the concept of the food safety
8 university, and in addressing this very broadly just as a
9 university may have many school and colleges within it that
10 focus on a variety of disciplines, the notion of a food
11 safety university has begun to emerge in a variety of
12 settings as a way of being able to speak to comprehensive
13 food safety education efforts.

14 The notion that food safety education efforts need
15 to be interdisciplinary, they need to focus on certain core
16 competencies, that there needs to be some discussion of
17 certification associated with it, some concept that
18 learning, that education and training is not a one time
19 endeavor but a lifetime over the course of the lifetime of a
20 career and that there's a sense that there are certain
21 unified, standardized training activities that are important

1 regardless of what the partnership or the collaborator/
2 stakeholder effort is.

3 I think through all of this there's also been a
4 common theme about evaluation; that we really need to learn
5 to develop and to have various evaluation mechanisms that
6 help us to determine if the nature of the investment that is
7 being made in training and education is in fact paying off
8 in terms of the performance of those receiving it and that
9 we have -- that we're focusing on the right things in the
10 training and education delivery and investment that's being
11 made.

12 Certainly the notion of the use of technology as a
13 means to facilitate training and education is also a common
14 theme across a number of these activities, and technology
15 both from the standpoint of the infrastructure,
16 telecommunications, computer equipment, access to
17 information, all of which can be used to communicate ideas
18 and to facilitate distance learning as appropriate.

19 I think also the concept of credentialing for food
20 safety workers in both the public and private sector is at
21 least a topic that had begun to surface through these

1 discussions and other discussions in both public and private
2 sector as an issue for discussion. I don't know that
3 there's necessarily any consensus around the notion of
4 credentialing of accreditation or what it means, a
5 certification, but the concept at least is surfacing for
6 discussion.

7 I think last, but not least, there have been some
8 innovative ideas that have come to the surface as well; for
9 example, notions that in many respects training and
10 education in particular may be able to be something that is
11 associated with compliance interventions that as there are
12 particular types of enforcement issues or difficulties in
13 the execution of HACCP systems that the notion of education
14 in some way being an appropriate compliance intervention,
15 the notion of that has at least surfaced for discussion.

16 Again, these ideas are formative. These are just
17 a few of the ideas that surfaced through the future search
18 conference that have broad thematic points in common with a
19 number of the issues that have surfaced in the other
20 endeavors.

21 MR. BILLY: Okay. Thank you very much. Thank all

1 of you.

2 This was designed to give you a sense of the broad
3 perspective that we as an agency have been using to look at
4 this next phase of HACCP. Obviously there are many, many
5 ideas that you just heard.

6 Our intent here isn't to expect you to talk about
7 each and every one of these different ideas, but rather to
8 give you a sense or a flavor of all the different
9 possibilities and then use the knowledge of this committee,
10 your experience, your knowledge, to see what you think in
11 terms of what you've heard and from your own experiences the
12 points that you think ought to be emphasized or included in
13 this next phase of HACCP.

14 As I indicated, we're going to be taking
15 representatives from all four of these groups and some
16 others and bringing them all together in a process that will
17 narrow this down and bring some focus to it and some
18 priorities, as well as some setting time frames and who's
19 responsible for what, so you're on the very front end of an
20 important process, but we wanted to take advantage of you
21 being here to get you to think about this and to provide

1 some input.

2 Let me open it up now for some comments and
3 questions. Yes, Carol?

4 MS. TUCKER FOREMAN: Carol Tucker Foreman with
5 Consumer Federation.

6 Tom, at a meeting a little over a year ago I think
7 you had a presentation similar to this, but current thinking
8 on your challenge to have the strategic plan address how to
9 accomplish a safe food supply.

10 MR. BILLY: Uh-huh.

11 MS. TUCKER FOREMAN: Could you draw some lines
12 between what you've been doing here and the challenge that
13 you made in the strategic plan?

14 MR. BILLY: Sure. That strategic plan is in fact
15 the plan that we've put forward to the department as our
16 plan for 2002 through 2007, but I guess a way of thinking of
17 positioning these two things is that the question we're
18 posing here today and what we're talking about in terms of
19 the next phase of HACCP is what we're going to achieve in
20 the next two or three years working towards that kind of
21 outcome, so that's a way of positioning the two I guess is a

1 way to say it.

2 FSIS and the state programs, you know, are like
3 any private sector company or corporation. You need to step
4 back periodically and ask yourselves how things are going,
5 what's working, where is there room for improvement and to
6 go through a process that helps you answer those types of
7 questions.

8 That's what this is about, but we wanted to
9 include not only ourselves, that is the regulatory agencies
10 at the federal and state level, but also the industry
11 because it's the industry that has the HACCP plan, that
12 executes the HACCP plan, and we think that there needs to be
13 leadership in the industry in terms of addressing how to
14 make HACCP work more effectively for consumers, so we'd like
15 to see this move in parallel.

16 We've been encouraging industry to think about
17 this and identify strategies that they believe will help all
18 8,500 plants at the federal and state level to do the best
19 job possible under a HACCP type framework, so that's sort of
20 the relative positioning of it, I think, and again this is
21 in a very formative stage. There will be more opportunity

1 for input as we start to now really put some specific ideas
2 down on paper.

3 Caroline?

4 MS. SMITH DEWAAL: Thank you. Caroline Smith
5 DeWaal.

6 I'm not hearing the thing that I naturally thought
7 was going to be part of this plan, and that is the issue of
8 updating the performance standards and the use of additional
9 performance standards. I think, you know, every time the
10 Secretary gets out and talks about the HACCP program he
11 talks about the salmonella reductions and so I guess that's
12 one question is where is that? Why isn't that being
13 addressed squarely?

14 I think the closest I heard to it was Jeannie
15 Axtell on evaluation mechanisms, but so much of this, Tom,
16 seems to be focused on your work force. I understand that's
17 a huge management issue and that's an appropriate -- given
18 some very recent history, there is an appropriate focus
19 there, but I think the vision of the future needs to
20 encompass more than that, and I guess I'm not seeing the
21 gap.

1 I see a lot of focus on issues of training and,
2 you know, freeing up the vets to do more and better
3 evaluation of HACCP, but I see a good discussion of where we
4 are. I don't see yet the discussion of where you're going.

5 MR. BILLY: Okay. Ron in fact mentioned that
6 area. It was the risk based program design authority
7 issues. When he made reference to risk based performance
8 standards, that was perhaps a less than clear signal, but we
9 do see that as part of what we're talking about there.

10 It in fact has been discussed and it is viewed as
11 part of what's on the table in terms of moving forward, so
12 it's both refining the HACCP or reconsidering the existing
13 salmonella standards and, where appropriate, tightening them
14 up as signaled in the preamble to the final rule, as well as
15 the possibility of other performance standards.

16 You should also think in terms of the work that's
17 been ongoing with regard to E.coli 0157:H7 and the policy
18 that we put out in January of 1999 and the follow on work in
19 terms of sampling and the public meeting that we had
20 earlier. That's about refining HACCP and refining our
21 approach.

1 The same is true for listeria, the public meeting
2 we had, the current thinking paper that was put out several
3 months ago. That is being subsumed under this overall
4 package, but we're open to other ideas and for you to have
5 discussion about this, so it's not -- you know, at this
6 stage it's making sure that the things that you think are
7 important are part of this, and then we can work from there.

8 Other questions or comments? Katie?

9 MS. HANNIGAN: Yvonne, if you would be so kind?
10 One of the second things you mentioned, and I did not get it
11 all wrote down -- I'd like to have it for tonight -- was you
12 talked about refocus, retrain, and you said on the hazard
13 analysis the science behind the HACCP program. Can you just
14 go through that one sentence again? I didn't get it wrote
15 down.

16 MS. DAVIS: Okay. Hazard analysis, scientific
17 validity. We need more focus on enforcement, regulations,
18 data interpretation, critical thinking and applying computer
19 skills.

20 MS. HANNIGAN: Thank you.

21 MR. BILLY: Rosemary?

1 MS. MUCKLOW: Tom, thank you. When you discussed
2 this last week in an industry meeting, one of the questions
3 I raised, and I think it needs to be raised again here
4 today, is that the Department's authority with the major
5 shifts that it has made into HACCP and performance standards
6 and other places has been tested in the Courts in the last
7 several years in various Court cases.

8 I don't have a litany of them, but there are
9 several that instantly come to mind -- the honey baked ham,
10 the Supreme, the HIMP, and I'm sure there are others if I
11 put my active mind to working on it. I just don't think you
12 can begin to really evaluate HACCP II unless you begin to
13 reevaluate the authority because we are dealing with a law
14 that was originally written nearly a hundred years ago,
15 updated fairly substantially about 30 odd years ago, but
16 hasn't been touched much since. Tinkered with a little bit.

17 Efforts have been made to change it, but I think
18 there needs to be some thought go in this process about the
19 underlying authorities of the Department. I would think
20 that that has to be part of the consideration and
21 discussion. We shouldn't have to meet up on the Hill and

1 fight out in the trenches over changes to that law.

2 It would be a lot more appropriate if we could at
3 least find some common ground to work together to try to
4 find the way to make the future better for all of us. I
5 just don't think we can exclude the statutory authority and
6 the way in which the agency has been tested in recent years
7 on that.

8 MR. BILLY: Thank you, Rosemary.

9 As I indicated last week and will say again, our
10 approach in the discussions that you've heard and the
11 thinking we're doing is from a fairly pragmatic point of
12 view of we have existing laws, and we're going to figure out
13 how to make HACCP work best for consumers within that
14 framework.

15 It's obviously up to this committee and others to
16 consider and discuss whether it's necessary or appropriate
17 or desirable to have modification of the laws be part of
18 this process, so I'm not taking any position on that at all.

19 I'm just encouraging you to talk about it, think about it,
20 and that can be an important part of your discussion.

21 Any other comments? Yes, Nancy?

1 MS. DONLEY: Nancy Donley. I'd just like to say
2 that I find it very encouraging that instead of just saying
3 okay, it's implemented, we're done and go on another hundred
4 years that it's being revisited and being retooled. I just
5 encourage you to make this an ongoing thing that we have
6 HACCP II ad infinitum and just keep making it better.

7 MR. BILLY: Thank you.

8 Jim?

9 MR. DENTON: Quick comment and then perhaps a
10 question to follow up with Jeannie, I think, or anyone else
11 that wants to jump in. Pardon me. My voice is about to
12 fail me. An unusual situation.

13 I'm real intrigued to hear the use of the term
14 training and education as much as we have throughout the
15 discussion beginning with Ron and continuing through with
16 everyone else. As you know from comments that I've made
17 before, I feel very strongly about that being a real
18 cornerstone for taking HACCP, if you will, to the next
19 level.

20 We have grappled with that just a bit there at the
21 University of Arkansas, pulling several departments together

1 and looking at putting together a multi-disciplinary
2 master's degree program in food safety geared toward
3 providing the type of people that will benefit both the
4 industry and the regulatory community.

5 I would like to hear a little bit more about this
6 concept of the food safety university. I completely agree
7 with the multi-disciplinary approach. There are a lot of
8 things that enter into this, but the one question that I had
9 was about the certification or credentialing, if you will,
10 with regard to the folks that may be coming out of such a
11 program.

12 We've even considered putting together a program
13 that would capture a lot of other players in providing the
14 type of education that's necessary utilizing distance
15 education as the framework whereby we do that.

16 MR. BILLY: Okay.

17 MS. DAVIS: I'll take that question if I can.
18 Thank you for asking that.

19 Actually, when we did the future search conference
20 in July, we had Dr. John Mycik from Arkansas there. He was
21 a very valued participant and gave us a lot of good

1 information about what you all have been doing along with
2 Tyson Foods, and I think that's a commendable effort that
3 you all have done.

4 The food safety university idea is something that
5 is being discussed among several federal agencies right now,
6 and we are one. FDA is another. EPA is another. This is
7 an idea of collaboration among federal agencies as a
8 starting point and then expanding that out to all of the
9 other interested parties or stakeholders, if you will; the
10 idea that why reinvent the wheel if it's already running
11 someplace else? How can we work with our sister agencies,
12 particularly those who are interested in food safety, for
13 the benefit of everyone?

14 As Jeannie mentioned in her presentation, the idea
15 of a food safety university would encompass those various
16 particular areas of study that federal agencies and the
17 industries that are involved with those agencies are
18 particularly interested in. With us it would be things like
19 meat processing, manufactured foods, that sort of thing.

20 But where can we go to find the information or the
21 expertise that we can take advantage of to share with our

1 employees and to share with all the other people with whom
2 we want to establish this partnership? Again, it's just in
3 its infancy right now. We're really just sort of taking
4 baby steps towards this idea of a university, but it was
5 something that came out very strongly during the future
6 search conference as an idea that everybody bought into. It
7 was one of the ten or 12 main ideas that had a consensus
8 around it at the conference.

9 We want to look to people like Arkansas, other
10 universities who are interested in doing things with us as
11 well, to help us develop a curriculum that our own employees
12 can take and benefit from and that we can do in conjunction
13 with the industry people.

14 Does that then answer your question?

15 MR. BILLY: I guess it's clear that this is sort
16 of a university without walls.

17 MR. DENTON: Right.

18 MS. DAVIS: Oh, absolutely.

19 MR. DENTON: That's the thing that we came up
20 against very quickly. It gets beyond the capabilities of
21 any one particular institution to just do the best job.

1 MS. DAVIS: Absolutely. Absolutely. We just
2 chose the name university, you know. We could have said
3 anything -- consortium or gaggle or really just about
4 anything we could have thought of, but university because
5 people understand the idea of curriculum development.

6 One of the things that we're looking at in the
7 training area is curriculum development for the different
8 occupations that we have in FSIS. We alluded to the
9 knowledge, the skills and abilities that our people need to
10 have to be successful.

11 What they needed a dozen years ago are different
12 from what they need now. We're trying to focus on
13 identifying that, figuring out where everybody is because
14 everybody is different just like when you have people coming
15 in at their freshman year. Everybody is at a different
16 level. How can we fill in those gaps, and how can we make
17 sure that people coming out at the other end have what they
18 need?

19 MR. BILLY: Thank you.

20 MR. DENTON: Thank you.

21 MR. BILLY: Yes. You're welcome.

1 Katie, are you pretty well set?

2 MS. HANNIGAN: I'm all set.

3 MR. BILLY: You're all set?

4 MS. HANNIGAN: Yes.

5 MR. BILLY: Okay. Thank you very much. Thanks
6 for the presentations. Again, there will be some people
7 around that can answer questions and whatever.

8 Okay. I'd like to move on then to the next and
9 final issue area, which is the residue control in the HACCP
10 environment. We need to take about a one minute pause here
11 while new people come to the table.

12 (Whereupon, a short recess was taken.)

13 MR. BILLY: This is another very important area
14 for the agency and for industry and for consumers. When we
15 implemented HACCP, one of the things that we indicated is
16 that for the time being during the initial stages of HACCP
17 implementation the agency was going to maintain its residue
18 program as it had been designed subject to yearly
19 modifications and changes in terms of which residues we were
20 focusing on and that kind of thing until such time as we had
21 implemented HACCP, and then we would circle back and look at

1 a whole series of questions regarding how residue control
2 should be addressed in a HACCP environment.

3 Pat Stolfa is going to lead the discussion, and
4 she has several colleagues with her. I'm going to turn it
5 over to Pat to lead this part of the discussion.

6 MS. STOLFA: Thank you very much, Tom, and good
7 afternoon. It's nice to see all of you.

8 This is not basically going to be a technical
9 discussion. It has considerable relationship to the last
10 topic in that our main objective here is to describe for you
11 a process and to invite you into the process. We don't come
12 to you with a newly designed residue program. We come with
13 an invitation for you to participate in helping us think
14 that through.

15 I have three people with me who are very
16 technically qualified and so should we need to talk in more
17 detail than I intend I want to introduce them. On my far
18 right is Dr. Dan Lazenby, who is in the Office of Policy,
19 Program Development and Evaluation and takes the lead for us
20 on residue policy development.

21 Next to him is Judith Niebrief. I have the

1 benefit of a document which Judy in fact drafted for us, but
2 I can't get you yet since it's not finally cleared, although
3 you ought to see it very shortly because it is the
4 announcement of the public meeting during which we will
5 initiate this dialogue we hope to have regarding how residue
6 control should be handled in the HACCP environment.

7 We're hoping to hold that meeting on the 11th of
8 December and to publish notice in the Federal Register
9 sufficiently in advance that you get a chance to read it
10 because it not only is a lengthy notice. It also has
11 references which you might choose to look at in advance of
12 the meeting, which might facilitate your participation.

13 Next to Judy is Dr. Manfred Chadry from the
14 Technical Services Center in Omaha, who handles most of the
15 practical residue questions that arise in the course of our
16 limping along between our old program and the program of the
17 future. Dr. Chadry is a virtual encyclopedia of everything
18 that we have ever said about residue control, so he is
19 extremely helpful to us as we proceed.

20 At any rate, I want to highlight for you what is
21 in the Federal Register notice so that it won't be a

1 surprise to you. As I say, what we have asked the
2 subcommittee that we're working with to consider is how we
3 can make sure that as we initiate this process we have the
4 kind of broad based participation that we're looking for and
5 so we haven't asked the subcommittee to design a residue
6 program either. We've simply asked them to help us think
7 through what's the best way to go about this and what kinds
8 of things, what kinds of additional things, should we be
9 doing to make this happen.

10 It's important I think to understand, first of
11 all, why we need to have this discussion at all. I do have
12 transcripts from the implementation meetings of the fall of
13 1996 in which indeed everything Mr. Billy said is entirely
14 true and that we said well, you know, here is some thinking
15 on residue control, but we're not prepared to deal with this
16 immediately. We're not prepared to deal with this in the
17 short run.

18 This is a big, complicated program. It has many
19 diverse constituents that need to come together around the
20 various issues that have always been part of residue
21 control, but the real reason we need to have this discussion

1 is because there's a discrepancy between the language of
2 Part 417, particularly the hazard analysis and the list of
3 hazards that companies need to consider, and what the agency
4 continues to do in the area of residue control.

5 You know, what is surprising is that a number of
6 people have really tried to deal with that discrepancy and
7 on their own have tried to proceed with that language and
8 make improvements that are consistent with that language,
9 but I would hasten to add that we have not prepared our
10 field force for that significant change, and we think we
11 need to.

12 Nor have we let anybody know exactly what our
13 expectations are and so, as I say, we can go back, and I
14 think all of the things that were said by various people,
15 including Dr. Benton, who at the time was the head of Animal
16 Production Food Safety and tended to be the person we called
17 on to give thinking about the future relative to residue
18 control. I think all of those things can still come true,
19 but we haven't started them yet.

20 There are good reasons for that. It is a complex
21 area. In addition, it has seemed to us unfair to start them

1 in the middle of implementation; that some companies, the
2 large companies, have implemented for some time, but the
3 rest of the population has not implemented, and we thought
4 that it might be considerably disruptive to put out a plan
5 or put out ideas or ask for ideas that would only be
6 applicable to certain companies or might be applicable to
7 companies at different stages of their HACCP implementation,
8 so we're not uncomfortable with the fact that it's taken us
9 a while to get to it.

10 Now, as I say, the Federal Register notice, first
11 of all, speaks about the reason for having the meeting, and
12 in order to make that case we have to remind you again of
13 things that we said in the preamble. We have to remind you
14 of how important it is for us to have establishments take
15 control and take responsibility and for us to fulfill our
16 role as holding establishments accountable.

17 We also have to remember that there are some
18 specific concerns relating to residues that cannot be
19 overlooked. For instance, we know that our testing program
20 and the good record that it demonstrates generally about
21 residue control is very comforting to a number of people,

1 and we don't want people to think that there's any lessening
2 of control or any lessening of that performance expectation.

3 On the other hand, we think that maybe we could do things
4 in a way that would make things even better.

5 We have concerns about international trade.
6 Residue issues have tended to be very readily adaptable to
7 international trade controversies over the years, and we
8 don't want any programmatic changes that would lead to a
9 lessening of confidence in our exports. We're a successful
10 exporter, and in, you know, a number of cases much of that
11 success depends on our control program. Over the years we
12 have imposed serious controls on the residue programs in
13 other countries in order for them to be able to export to
14 us, so these are issues about which we're mindful.

15 We're also mindful of the fact that people are
16 particularly concerned about government controls on those
17 hazards that they can't see and that they don't think they
18 can control themselves. They don't know whether or not it's
19 there, and there isn't much that they think they can do
20 about it.

21 I mean, you can't cook residues out of a meat or

1 poultry product. There isn't this feeling of control on the
2 part of the consuming public so that we don't wish to -- as
3 I say, we don't wish to lessen the level of protection that
4 our program offers. We do, however, believe that the
5 implementation of HACCP offers us an opportunity to have a
6 program that's not only different, but better, and that's
7 the premise from which we begin.

8 We needed to figure out how we were going to ask
9 people to review and think about a program as complex as
10 this and with as many different facets. Over the years,
11 this program has attracted the attention and work of some of
12 the best chemists, microbiologists, toxicologists and others
13 throughout the government, and I believe that it needs to
14 continue to do that, and yet we did not want to have the
15 discussion only with those people so we had to think about
16 how can we get people to participate in this.

17 We chose for the framework a document which is
18 distant in time, but I believe still relevant and I think
19 continues to make the significant topics accessible to a
20 wide variety of people. We went back to the 1985 reports by
21 the National Academy of Sciences on meat and poultry

1 inspection. This was the first of the reports that we
2 commissioned.

3 When we asked the Academy -- at a time when we
4 were trying to make a lot of changes in the agency, we asked
5 the Academy to look at the program and tell us, you know,
6 this is some of our thinking. Is this okay? You know, are
7 we maintaining a level of protection? What kinds of things
8 should we be looking at? What kinds of things do you think
9 we ought to approve?

10 One of the things they gave attention to was
11 residues, and there is a chapter in that report devoted to a
12 description of an ideal residue program. They sort of gave
13 us a little grade for where we were then, or, you know, they
14 at least talked about where they thought we were, but their
15 report was premised on HACCP implementation. They thought
16 we ought to implement HACCP.

17 Well, lo and behold. Now we've implemented HACCP,
18 so we think it's appropriate to look back at these features
19 that they brought out in this report and ask a broad
20 spectrum of interested parties to think about what we could
21 do now. We have implemented HACCP. What can we do

1 differently and what can we do better?

2 Now, one of the references that you can get in
3 advance of the meeting is, of course, the NAS chapter from
4 which the conceptual framework of this review originated. I
5 just want to run through the kinds of issues that were
6 brought up in the NAS model so that you'll get a flavor. Do
7 we have this? Tab 10?

8 MS. GREEN: Yes.

9 MS. STOLFA: What's at Tab 10? Do we have a
10 draft?

11 MS. GREEN: A sheet of paper.

12 MS. STOLFA: Oh, but that's the short version,
13 right?

14 MR. BILLY: But not the NAS page.

15 MS. STOLFA: No, that's not that.

16 MR. BILLY: You can go ahead.

17 MS. STOLFA: We couldn't give you this. We would
18 have given you this if it had been cleared, but we couldn't
19 give you this so what you have in the short paper is a
20 summary.

21 What I'm looking for is the beginning of -- is the

1 NAS report and the issues that were part of that report. We
2 just sort of systematically went through this list of issues
3 and said well, maybe we should talk about that again.

4 In a couple of cases and principally because the
5 subject matter was so technical and actually in subsequent
6 years we have remedied the problem that the NAS pointed to.

7 We think a couple of these are not really relevant, but we
8 think a number of the others are.

9 I just want to run through these quickly so you
10 can get a flavor of the level of generalization that we
11 anticipate this meeting will be about. This is not a
12 meeting about technical details, although we hope people
13 with a variety of technical backgrounds will participate and
14 in essence put their best ideas forward, but these are the
15 kinds of issues that were features of the NAS model program.

16 The first one they mentioned was public protection
17 as the primary objective, and we did okay on that in their
18 view. They thought there were ways in which it could be
19 improved, and what we're asking people now is with the
20 implementation of HACCP what additional resources are
21 brought to the table in order to make sure that public

1 protection remains the primary objective. We don't perceive
2 any deficiencies. We want to think about what other things.

3 For instance, we believe that the requirement that
4 establishments consider in their hazard analyses whether or
5 not the residues of veterinary drugs or chemicals or
6 environmental contaminants present hazards reasonably likely
7 to occur, in our minds that's a whole new population of
8 people that are thinking about this issue, some of whom will
9 already have controls in place, others of whom may wish to
10 think about the additional controls or to put in their HACCP
11 systems the controls that are already working successfully
12 for them, but that's the notion.

13 The second general area that they mentioned was a
14 focus on prevention. We believe -- they didn't think we
15 were perfect on focusing on prevention in 1985. It was
16 difficult to focus as much on prevention at that time as it
17 might be possible now. HACCP is, after all, a preventive
18 program and so opportunities for enhancing the focus on
19 prevention may in fact be considerably improved.

20 The third issue, clear tolerance levels. We don't
21 think that's an issue that we have to put before a group to

1 discuss. The situation has significantly improved. In
2 addition, we're not the setter of tolerances, so that's more
3 some other people's business, and lots of work has been done
4 on that.

5 The fourth issue was a sampling scheme adequate
6 for prevention, and they pointed out that we have a sort of
7 monolithic sampling approach; that we could have chosen
8 other sampling approaches which might in fact have helped us
9 uncover some problems that we frequently find ourselves
10 chasing after.

11 You need to know that in residue control, as in
12 almost anything else, we probably have never had as much
13 money as we could usefully spend, and we probably never will
14 have as much money as we can usefully spend so that making
15 up a better program depends on doing things differently.

16 You know, we don't intend to reduce the level of
17 commitment. In certain areas we expect it to be enhanced,
18 but it's never been enough, and one way that you might get
19 improvement is some changes in sampling strategies, so we
20 would ask people to think about that. We make some
21 suggestions about that.

1 MS. HANNIGAN: Can I just ask one question?

2 MS. STOLFA: Yes, ma'am.

3 MS. HANNIGAN: I'm sorry to interrupt you, but
4 you've mentioned prevention twice.

5 MS. STOLFA: Yes.

6 MS. HANNIGAN: Both Alice and I are sitting here
7 saying are they talking prevention of buying an animal into
8 the slaughter facility that has been treated with some type
9 of a drug?

10 MS. STOLFA: No.

11 MS. HANNIGAN: What prevention are they talking
12 about?

13 MS. STOLFA: No. I think they're talking about
14 prevention of permitting adulterated product to enter
15 distribution channels and that there are opportunities --
16 one of the adulterating substances or the class of
17 adulterating substances that they're focusing on is chemical
18 residues, drug residues, pesticides, et cetera, but they
19 make a general HACCP based presentation. When you read the
20 whole chapter, you'll understand that.

21 They talk about risk assessment and the

1 incorporation of risk assessment into the design of the
2 residue program. We've made some progress in that area.
3 However, there are probably additional opportunities for
4 further incorporating risk assessment into a residue control
5 program, but that's another aspect of a program that people
6 might want to focus on.

7 They speak about adequate analytical tools and
8 testing capacity, methods and laboratory capacity. We have
9 made great strides in methods development over the years,
10 and I think people who know that area would continue to
11 believe that there's more work that could usefully be done.

12 Laboratory capacity is another sort of provocative
13 topic. If we're the only recognized residue testers, that's
14 a pretty limited capacity. As I say, we've never had enough
15 money, and we probably never will, so it's time for people
16 to consider how are we going to enhance that laboratory
17 capacity.

18 What do we need to do in order to make sure that
19 the results we get are from laboratories in which we have
20 confidence and people who are using methods in which we have
21 confidence? If we could have those things, could we not

1 find a way to use other people's results as part of our
2 residue control activities? We think there's discussion to
3 be had there.

4 We talked about a training inspection force. This
5 is just another area in which we need some more training.
6 It's not a lot different from other areas that people have
7 talked about.

8 Close links to regulatory enforcement. Probably
9 HACCP offers us a little better opportunity for that than we
10 had previously, but that's a topic for consideration.

11 Useful information systems. We have a lot of
12 information systems that have developed over the years
13 relating to residues. They probably deserve a good look,
14 and some other people probably need information to get out
15 of our systems.

16 Finally, this is why we chose to go this way.
17 Priorities are set through an open process, and we believe
18 that we can improve that; that a broader group of people
19 could become interested in residue control, that they could
20 become part of a priority setting process that would start
21 with a program design process and might be updated, you

1 know, every two years or something as to what are the
2 priorities that we are most concerned about now.

3 One of the reasons we went to this framework is
4 because of this recommendation, and we think this is an area
5 where there's ample opportunity for improvement, and so on
6 December 11 we're hoping to have this meeting where we call
7 together anyone who's interested in showing up. We divide
8 the participants into subject areas drawn from this broad
9 outline.

10 Now, we're not going to have exactly the same
11 questions. I think there probably needs to be one group of
12 people talking about methods development and a different
13 group of people talking about laboratory capacity because
14 both of those are such complex issues, but we'll have maybe
15 eight or ten groups.

16 We'll try and notify you in advance of what the
17 topic areas are. You can get these references in advance,
18 or they will also be available at the meeting. We'll ask
19 the groups to meet during the course of the day and report
20 back generally at the end of the day as to what their
21 overall thinking is.

1 We would hope that they would have a variety of
2 ideas, a number of which would not be fully developed, but
3 might be attractive possibilities. We're not telling
4 anybody we only want ideas that can be done in the next six
5 months because we don't believe the program will develop
6 that way.

7 We need to have a goal toward which we're
8 proceeding. It will be implemented in pieces, and some
9 things can happen in the shorter term. Some things can
10 happen in the longer term, but eventually we know this is
11 where we are going, so that's the kind of meeting we will
12 hope to have on the 11th.

13 This will all be facilitated and the facilitators
14 will prepare things in advance. About the main thing you
15 need to do is hopefully figure out what part of the process
16 you might be interested in participating in.

17 As I say, that's my preview of the meeting. I
18 want to do one other thing before I open up the questions.
19 As we go along, what we're going to do is we're not going to
20 stop making the reviews, evaluations and improvements that
21 we need to make in the program as they come up. A few of

1 those are in the works close to being finalized, and I just
2 need to tell you about those. You have no interest in this,
3 but we'll tell you anyway.

4 There is an interagency group on residue control
5 that includes us, the Food and Drug Administration, and I
6 think EPA, maybe CDC. I don't know. There are several USDA
7 agencies. It's known as the IRCG. We've made a modest
8 change through which the policy office will take the lead
9 for our agency. Everybody else will be represented.
10 They'll have all their rights. We'll just take the lead to
11 make sure things are coordinated and that we follow through
12 on this.

13 This group meets every couple of months, I think.
14 Is that right? Or every month. Every couple of months.
15 It switches back and forth between us and FDA. That's of no
16 interest to you, but it's useful to us to get ourselves a
17 little better organized.

18 We have received from a coalition of industry
19 groups a request to replace our current process that
20 nominally serves as a deterrent to repeat residue violations
21 with a different process, namely one that makes the names of

1 repeat violators known publicly, and we are in the latter
2 stages of considering that request, so soon we will answer
3 the letter.

4 We are in the latter stages of making a
5 correction, a sort of policy correction. Over the years the
6 practice grew up in our agency and its predecessors
7 regarding the condemnation of parts or carcasses that were
8 found to have violative residue levels. Unfortunately, the
9 policy that we were implementing was not consistent with the
10 federal Food, Drug and Cosmetic Act, which is the source,
11 the statutory foundation, of this particular activity and so
12 we have a need to change that.

13 We are in the process of preparing a Federal
14 Register notice which will announce that change and which
15 will give people an opportunity to adjust their practices.
16 We won't announce it today and make it effective tomorrow
17 because we realize that it is an important change.

18 Let's see. What else are we doing that you care
19 about? We're doing the phenobutazone testing program, which
20 was jointly designed by us and the Food and Drug
21 Administration, has been interrupted because of FDA resource

1 problems. We don't perform the analysis to determine
2 whether or not phenobutazone is in the -- I guess we're
3 looking at all. We're looking at kidneys, livers and
4 carcasses. Is that right?

5 MR. LAZENBY: Yes.

6 MS. STOLFA: Right. FDA does, so if they run out
7 of laboratory resources and they, you know, let us know --
8 we barely got into the project. They let us know that they
9 had a resource problem, and so we had to interrupt the
10 process. We will pick it up as soon as they tell us their
11 resources got freed up.

12 MS. MUCKLOW: When was that stopped, Pat?

13 MR. LAZENBY: Two weeks ago.

14 MR. BILLY: I think what I'd like to do is stop
15 there. Thanks, Pat, very much.

16 There is under Tab 10 a series of questions. I
17 just want to remind the subcommittee and the chair of the
18 subcommittee --

19 MS. TUCKER FOREMAN: I have a question about that
20 before you --

21 MR. BILLY: Okay. I think Caroline had her flag

1 up first, and then I'll get to Carol. Okay.

2 MS. SMITH DEWAAL: Are you ready?

3 MR. BILLY: Okay.

4 MS. SMITH DEWAAL: Okay. Caroline Smith DeWaal.

5 I just want to put my thoughts on this issue on the record.

6 I won't be in the subcommittee that's considering it
7 tonight.

8 This is one of those issues where it just drives
9 me crazy because we've had problems in place with respect to
10 some drugs and important public health effect if their
11 residue is found in the tissue. In others it may not be
12 quite so significant, but the program has really arisen
13 because of the need for the industry to have a level playing
14 field. They can't have cheating in the industry. I have
15 seen this over and over again.

16 There are lots of hazards in the food supply that
17 consumers want to see better controlled, that consumers have
18 no control over and they can't cook out of the product --
19 scombroid histamine poisoning in fish, ciguatera in fish,
20 many of the shellfish toxins. These are hazards that have
21 much more severe public health implications than the drug

1 residues, and yet we have no testing, no sampling.

2 We have no sampling period in the seafood
3 industry, and yet at the same time that we were monitoring
4 that situation, and my numbers may be wrong because they're
5 probably close to ten years old now, but the residue, the
6 drug residue program for meat and poultry, were running
7 something like 80,000 samples a year. We weren't running a
8 single test for microbial contamination of meat and poultry
9 products, but we were running many tens of thousands of
10 samplings for drug residues.

11 This is a program that if you put it on a list of,
12 you know, what are the major public health problems that
13 we're facing, this would be relatively low on the list.
14 Compared to the resources that we are applying to it, it's
15 just totally out of sync so I think the bottom line here for
16 us, and I understand we're also the organization that
17 criticized the Department when DES was found in some meat
18 products shipped to Switzerland, so there are public health
19 issues, but --

20 MR. BILLY: Suspected of being --

21 MS. SMITH DEWAAL: Suspected.

1 MR. BILLY: Not confirmed.

2 MS. SMITH DEWAAL: So now that I've vented I will
3 try to be constructive.

4 First of all, I think the residue issue is one
5 where HACCP could play a pivotal role in redesigning the
6 system, but it's got to be HACCP. This is also a good
7 vehicle to get HACCP on the farm. Record keeping could be
8 very useful for monitoring this, and the testing program as
9 it's currently constructed should be used more as a
10 government verification vehicle, but the farmers themselves
11 should be required to do more, to verify that their carcass,
12 that their animals and the carcasses, are free of illegal
13 drug residues.

14 I just think this is a program that cries for
15 reinvention. It cries for risk assessment and being put in
16 the context of all the hazards facing the public. The
17 issues around a level playing field should be borne more by
18 the industry than it is by the government, and let's get,
19 you know, a good system of government verification in place,
20 but let's not be the government doing the entire job of
21 verifying that the industry is using the right -- is doing

1 the right thing.

2 Thank you.

3 MS. STOLFA: We'll look for you on December 11. I
4 guess you'll have difficulty deciding which group you want
5 to be in.

6 MR. BILLY: Carol?

7 MS. TUCKER FOREMAN: Yes. Carol Tucker Foreman.
8 I'm the chair of the subcommittee this evening. Could you
9 arrange, please, to have somebody bring over that chapter
10 from the NAS report so we have a reference?

11 MS. STOLFA: Yes. Yes. We can do that. No
12 problem.

13 MS. TUCKER FOREMAN: Most of us I suspect haven't
14 looked at it for a while.

15 MS. STOLFA: Yes. No. I'll bring it.

16 MS. TUCKER FOREMAN: And I'll just hold the rest
17 of mine for tonight.

18 MS. STOLFA: Okay.

19 MR. BILLY: Okay. Gary?

20 MR. WEBER: Just a couple things. I sit here
21 reminiscing. About 14 years ago, one of the first things I

1 did when I came to Washington, D.C., was dealt with
2 sulfamethazine in swine. We made a lot of progress on that.

3 That's a nice story for a drink sometime to talk about
4 those sorts of things, not to reminisce.

5 One of the things that strikes me about this
6 meeting is it's always imperative when you take an
7 initiative like this on that you build a good foundation
8 under it, and there's an opportunity here.

9 Having not seen the agenda, I'm assuming you've
10 probably already designed it this way, but it's a great
11 opportunity to talk about how residue tolerances are set and
12 the margins of safety and all those sorts of things, but
13 it's also important to recognize that with our trading
14 partners around the world they're using products which have
15 no tolerances here, and often times those issues flare up
16 when we're importing products and some things is found or
17 somebody makes it an issue and vice versa when we export
18 products, so I think the foundation that you build here at
19 this meeting is important to bring everybody up to the level
20 playing field of understanding of it and then move from
21 there.

1 Somewhere between all this we do need to recognize
2 that I think the average consumer wants to know that
3 government is engaged in this, that government is monitoring
4 things. I look forward to the dialogue because I'm not sure
5 how companies can be put into a situation where they can
6 really keep up on the developments that occur in toxicology,
7 in pharmacology, in pharmacokinetics and all the other
8 things that have come to bear that government and others can
9 keep track of, so we need to have a hybrid here, maybe not
10 as much government as there is now in it, but certainly not
11 government pulling out of it because that will have, as
12 you've mentioned, international trade ramifications.

13 I think consumers here will raise a lot of
14 questions, but I know, having sat down with FSIS many years
15 ago and talked about the program and asking questions, why
16 are you expending all the resources to test for this
17 particular compound, and the comment I got back was well,
18 everybody is using it. Well, it was one of the safest
19 compounds out there. No issue at all. I just thought the
20 rationale behind that was flawed.

21 I know we are very dedicated to zero residue, zero

1 tolerance, and have an immense amount of resources going out
2 around the country in preventing it, but you really need to
3 help everybody get to the same playing field so they
4 understand what residues are or we're going to end up in
5 another zero tolerance kind of an issue and all the
6 ramifications of that that could come from the result of you
7 expanding people's awareness of what could be there, so with
8 that said I look forward to the meeting, and thanks for
9 putting it on.

10 MR. BILLY: Rosemary?

11 MS. MUCKLOW: Thank you. Rosemary Mucklow.

12 For just over a year, one of my friends here in
13 the audience today and I and other organizations have met to
14 gather as a working group to try to address some of these
15 concerns. We have appreciated that the effort has to span a
16 lot more than Food Safety Inspection Service. It involves
17 multi agencies in multi departments and at different levels
18 of regulatory authority, federal, state, local.

19 It is a very complex issue, and I would strongly
20 hope that you will use the information that some of the
21 people from your agency were able to learn from this very

1 comprehensive series of meetings, and they came as our
2 guests to these meetings, to help guide you in this process.

3 I can't emphasize enough how complicated it all
4 is, and maybe a small vignette will help bring to this
5 committee one of the very complicating issues, and that is
6 that it is a violation of the federal Food, Drug and
7 Cosmetic Act to sell an animal into the food supply that
8 contains violative residues of certain chemical or other
9 biological drugs.

10 The fact that an animal comes with those violative
11 levels is up to this agency, which has traditionally looked
12 for these drugs in the livestock that are slaughtered. I
13 asked a question this morning about phenobutazone, and I'm
14 interested to hear that the testing for it has been
15 suspended because this is a drug -- oh, lights. God must be
16 on my side. He's just lit up the room for me.

17 This is a drug for which there is no tolerance in
18 a food producing animal. It should not be used in a food
19 producing animal. It's okay for horses and dogs and people
20 under certain circumstances, but it isn't okay for food
21 producing animals, and yet we are discovering it in food

1 producing animals.

2 The industry that I come to this table to
3 represent is the one burdened with that responsibility to
4 find this drug or to work with the agency to find this drug.

5 We, we and the American Meat Institute, have petitioned the
6 agencies, the federal Food and Drug Administration and FSIS,
7 to provide us with these lists of people who have
8 consistently been found in violation of the law for selling
9 livestock with unlawful residues.

10 We just don't think that should have been one of
11 the world's greatest secrets. We think if we can share that
12 information, which your veterinarians already have, with the
13 industry at large that would help a great deal in resolving
14 this problem. It's very hard to understand why it's
15 something that can't happen fairly quickly, and so we are
16 certainly looking forward to the response to that and the
17 other testing solution which we have submitted in all
18 honesty and fairness to try to help address this problem.

19 We want to work with you. We don't want to scare
20 people. We believe that this testing scheme is yielding us
21 a safer meat product today than we've ever had before, and

1 we just do not want to scare consumers into fears about
2 their meat supply, which you have assured us through your
3 testing schemes and others is as safe as we can make it for
4 people today.

5 There's always room for improvement. We're
6 looking for that, but we would hope and encourage you as you
7 work on this issue with us that you will be mindful of
8 getting consumers reasonable, sensible information
9 describing the real facts of how safe their meat supply is
10 as we face this issue together.

11 MS. STOLFA: Thanks, Rosemary.

12 One thing that's in the draft Federal Register
13 notice that I didn't describe for purposes of this meeting
14 is references to the work of the group of which you were a
15 member. I needed to do that in a way that wouldn't breach
16 any confidentiality or anything like that.

17 MS. MUCKLOW: I'm sorry.

18 MS. STOLFA: That certainly is one of the groups
19 that our hats are off to that group, which was a coalition
20 of people who felt they had a problem, and they needed to
21 try and figure out something they could do about it. That

1 occurred even while people are still trying to figure out
2 how 417 relates to residue control, and that is in the
3 Federal Register.

4 MS. MUCKLOW: We're certainly looking forward to
5 the answer to the requests that we've made. We hope that
6 will come well in advance of the public meeting.

7 MS. STOLFA: Oh, we certainly are hoping so, too.

8 MR. BILLY: One more comment, and then we're going
9 to end this discussion.

10 MS. SCHULTZ KASTER: Just to kind of tie up with
11 what Caroline said, which was allocation of resources --
12 that's my kind of gross interpretation of what she said. As
13 most of you know, we both raise livestock and slaughter
14 livestock so I guess we're kind of both halves of this
15 argument and so I have some concerns relative a little bit
16 to what Rosemary said.

17 This list, were we to generate it publicly, would
18 be a pretty small list of people because those of us that
19 are in the business of producing livestock for all the
20 reasons that we all know do not want to produce animals with
21 violative residues. Therefore, when we start talking about

1 discussions about allocation of resources and here's the
2 time to take HACCP to the farm, I start to get a little bit
3 concerned because I think that runs counter to all the other
4 discussion that we've heard about controlling food safety,
5 where the risks are in the distribution channels and, you
6 know, really trying to get our arms around the problem.

7 The second part of that is if we're going to marry
8 export into all of this then we might as well sort of throw
9 logic out the window when it comes to food safety risks
10 because those of us that have been down that road with the
11 EU or some of our other exporting partners will attest that
12 there was not a lot of science and risk based analysis to do
13 with the residues that we tried to test for.

14 MR. BILLY: Okay.

15 MS. STOLFA: Thanks. I hope you'll be at the
16 December 11 meeting.

17 MR. BILLY: Okay. I think we're going to stop
18 there. We're running a little behind, so while there's a
19 half hour break listed for the afternoon, I'm going to
20 shorten it to 15 minutes, and then when we get back we're
21 going to have some briefings on food safety research and the

1 new research institute, so make it brief.

2 Thank you.

3 (Whereupon, a short recess was taken.)

4 MR. BILLY: We now come to what I consider to be
5 another very important part of our agenda for these
6 meetings, which is an opportunity to be briefed on the area
7 of research, food safety research, and the progress that's
8 being made in better understanding some of the issues in the
9 area of food safety. Out of this research and technological
10 development come solutions to many of the problems we're
11 wrestling with.

12 The first presentation is going to focus on the
13 Joint Institute for Food Safety Research. This institute is
14 an outgrowth of the President's food safety initiative and
15 the work under that initiatives and the Food Safety Council
16 to find a mechanism to better coordinate research across all
17 the federal agencies and universities and so forth with
18 regard to food safety.

19 Dr. Jerry Gillespie is the executive director. He
20 is located here in Washington. We very much appreciate him
21 sharing time with us to talk about this relatively new

1 mechanism that we've put in place. Dr. Gillespie started in
2 this new position on June 1 of this year. He previously was
3 the director of the Food, Animal, Health and Management
4 Center at Kansas State University.

5 Dr. Gillespie?

6 MR. GILLESPIE: Thank you very much, and I truly
7 appreciate this opportunity to visit with you. I want to
8 begin by telling you that although I had some notion of what
9 it was like in Washington, D.C., I really come as an
10 outsider and have very much appreciated the strong support
11 that I've gotten from FSIS in our efforts to initiate the
12 new institute.

13 I want to really in my presentation give you a
14 little bit of background in terms of how I view the whole
15 issue of food safety and the whole idea of achieving a safer
16 food supply. I want to do this by virtue of asking the
17 question how we should think about food safety, and then I
18 want to end my presentation with what is the Joint Institute
19 for Food Safety Research and what it is intended to
20 accomplish.

21 How should we think about food safety? What I

1 really want to point out is I think, first of all, it is in
2 fact a public health issue that is in itself very complex
3 because it's associated with human suffering resulting from
4 food borne diseases, death on occasions, and we can look at
5 it through the public health window by looking at the
6 etiology of various food borne diseases.

7 We've talked this afternoon about chemicals, and
8 there are a variety of ways that you can subdivide
9 chemicals. There are different ways of viewing that window
10 -- microbiological, again looking at it from various
11 infectious agents, very important, the emerging infectious
12 agents and the combinations, something I think we know too
13 little about, and the very importance of zoonotic diseases
14 and the etiology of food borne diseases, genetically altered
15 issues, foreign body, the true systems and their
16 relationship to bioterrorism.

17 Human behavior and practices certainly have a big
18 influence on the issue of food safety and public health,
19 surveillance, treatment and prevention, and, very
20 importantly, the whole issue of professional education as it
21 relates to public health.

1 Food safety is also, as we have heard today, an
2 economic issue, and it cannot be ignored. I think there's
3 some complexities here that we really must hone in on when
4 we talk about this area, but certainly it increases medical
5 costs to have food borne diseases, loss of productivity,
6 increased cost of food, disruption of the food trade,
7 greater risk to any nation's or region's food security are
8 some of the economic issues, and again there may be others.

9 Production and preparation practices issues, and
10 I'm going to have to take you through a chart that you have
11 seen a number of times, but I think it's important for us to
12 keep remembering the various sectors that influence the
13 production of the food that makes its way to the consumer.

14 Increasingly, we are finding the split between
15 domestic and international markets, retail distribution, the
16 link to consumers and finally the consumers. If we think
17 about what's going on in this whole issue of production of
18 food, one thing that we can certainly attest to is that it's
19 changing very rapidly. It certainly does complex our
20 ability to produce safe and wholesome food. It adds
21 uncertainty. It adds complexity. It adds cost in our

1 efforts to have quality food and safety food. By the way, I
2 have a lot of difficulty separately those two issues,
3 quality and safety.

4 Increasing the need for research on food
5 management practices across all food producing sectors. I
6 will come back to that issue, but certainly you could almost
7 think of it as a daily chain in which we are using different
8 management practices that really should be assessed from a
9 very deliberate scientific approach.

10 It certainly is an international issue, and again
11 one of the things I'm struck by is that we now have multi
12 cultural societies around the world, and they again add
13 great complexity to our ability to sustain high quality and
14 safe food.

15 It's an environmental and wildlife issue, an
16 urbanization and population growth issue. Again, if you
17 think about the challenges that we have in terms of
18 sustaining an adequate food supply and the changes that are
19 going to have to occur in our production systems worldwide,
20 it adds complexity to the whole issue of food safety.

21 This, by the way, is a photograph shared by a

1 friend from the Montana fires this summer. I think if we
2 look at the environmental issues, certain changes in the
3 environment affect the ecology of the causes of food borne
4 diseases. Some of our own research have emphasized this
5 relationship.

6 Wildlife issues. Human intervention into various
7 wildlife ecosystems seems to increase the risk of
8 transmission of food borne diseases, and certainly it has a
9 major effect on biodiversity. That, by the way, is maybe
10 one of the resources that we need for modifying our foods in
11 the future genetically to have a sustainable food supply, so
12 it is not a trivial issue I think in the bigger picture of
13 food production and particularly safe food.

14 Urbanization worldwide is an issue that also
15 relates to the population growth, and urbanization for
16 different reasons is occurring around the world. It may in
17 fact be the greatest human intervention impacting the
18 environment/wildlife food production and increasing the risk
19 of food borne disease.

20 So the challenges that are before agencies like
21 FSIS and others in the production system are I think complex

1 and significant, and certainly if you think about it these
2 issues are definitely interrelated. You push one place.
3 You're going to get an effect at another place in this
4 system. Certainly it is a political issue, and how the body
5 politics responds to these issues impacts food safety.

6 So I've realigned things a bit to put public
7 health, economic issue and political issue towards the top
8 because they definitely -- these issues predominate, in my
9 judgement, over the ones below, all of which I think are
10 important. If we rearrange it and look at it, the public
11 will really drives the political process and to an extent
12 vice versa.

13 It is out of this process that we make decisions,
14 policies, practices and regulations that influence the other
15 aspects of food safety. What we would aspire to have is
16 that these decisions be science based. Since science based
17 decisions are dependent upon these four issues -- risk,
18 analysis, risk assessment, risk management and risk
19 communication -- the value of these risk approaches is only
20 as good as the data used in their approach.

21 So we really need then to have a call for good

1 science to help guide these decisions. We must have science
2 based solutions that enable production of a sufficient
3 amount of food, but also with the proper variety and safety
4 to meet the world's nutritional needs at an affordable
5 price.

6 One of the complexities I think we must look at is
7 producers must be able to properly produce food in the face
8 of rising costs, and the food should be affordable to the
9 poorest consumer. This is an issue that we need to look at
10 I think within our nation, but internationally, in terms of
11 how do we sustain food production in this changing
12 environment that we have. That does challenge food quality
13 and safety.

14 In my judgement, increasingly scientists need to
15 frame questions in a programmatic term that encompasses the
16 complex interrelated issues of food production and their
17 effect upon safety and quality. This doesn't mean that we
18 can't have isolated focus studies, but at the same time we
19 need to have studies that look at the complex issues
20 surrounding food safety.

21 For example, one of the things that I think

1 there's great promise is sharing interdisciplinary
2 strengths. One could ask the question will numerical
3 solutions by the epidemiologists help the economists? Again
4 looking back at what the issues are in food safety, we need
5 to have good data in both of these fields if we are to
6 progress in food safety.

7 That's as a background. I'd like to talk to you
8 briefly about the Joint Institute for Food Safety Research
9 and why I was so pleased to have the opportunity to be its
10 first executive director. I believe strongly in what it's
11 intended to do.

12 It has been mentioned that it grew out of a
13 Presidential directive, and it is -- really I answer to
14 three different entities, and that is the White House, the
15 United States Department of Agriculture and U.S. Department
16 of Health and Human Services. There are representatives
17 from each of those entities that form the executive research
18 committee.

19 Now, what are we intended to do? Well, first of
20 all, we are intended to determine the federal food safety
21 research activity and its cause, and we started that process

1 reaching out to something like 19 different agencies across
2 the federal government to look at what is the research
3 activity and what is the associated cost to determine the
4 proposed and needed food safety research and the projected
5 cost. Again, the FSIS has given us a list of their
6 priorities in terms of things that they need to institute a
7 sounder, more effective regulatory system.

8 We need to find a way to access the world's
9 scientific knowledge base on food safety; a huge
10 undertaking, but I will show you a model that we are
11 proposing and hopefully will be implementing that makes this
12 somehow possible. The reason we need to do that is that we
13 need to find out where the scientific gaps are.

14 There was a comment related to the gap in the
15 science as it relates to trade earlier in the afternoon. We
16 can only resolve that if we really know what the science is
17 that people are using around the world and bring those
18 scientists together to really examine it carefully to find
19 out where we really have gaps, where we have disputes and
20 why we have disputes, and that will help us set priorities
21 in food safety research and to bring all the food

1 shareholders together to assess the food safety research
2 priorities.

3 My appointment is for two years. We probably
4 won't get it all done, but we will get a start. I do think
5 it's a useful thing to do, and I do believe that it will
6 help us go back and help unravel some of the complexities
7 that we face in the food system as it relates to safety and
8 quality.

9 I'd just like to show you briefly then our
10 modeling at least, our approach to managing scientific data
11 worldwide. We're going to try to use the model of the web
12 page approach where users and those in need of information
13 can go to a web page, and their inquiry will be processed in
14 a way that will divide the inquiry into federal guidelines,
15 such things as what is the temperature you should cook
16 hamburger or other food related questions for which there
17 are guidelines, federal regulations, food safety science and
18 food safety research.

19 These inquiries will then be sorted to several
20 different libraries. We're working most intently with the
21 National Agriculture Library that has already made

1 significant progress in this area, but we will be working
2 with other databases as the repository of information that
3 we will use to sort for managing food safety information.
4 They themselves will be collecting data worldwide, and what
5 we intend then to have is an output process that would sort
6 back to the user.

7 Now, if we move the general categories over to the
8 left we can do further sorting, and this sorting, by the
9 way, for food safety science and food safety research is in
10 fact the way we have asked the agencies to respond to us,
11 what research are you proposing or would like to have done
12 in detection control, pathogenicity, et cetera, so this is
13 parallel to the inquiry about what research is now being
14 done or needed.

15 In the area of federal guidelines and federal
16 regulations, again this time we look across the system from
17 germ plasm to consumption and again sorting the question
18 through these windows to the libraries or the data banks.
19 This is then, this being a model and again I've been
20 terribly please with the response that we've had from all of
21 the national libraries in terms of approaching this problem,

1 and I do think it will help us, first of all, gather the
2 information, but, more importantly, what we'd like as far as
3 the Institute is concerned is help us set priorities and
4 really organize ourselves in a scientific way.

5 Well, it's been a quick and tough journey, and I
6 thank you for hanging on.

7 MR. BILLY: Okay. Thank you very much.

8 There's further information in terms of the
9 Institute under Tab 11 in your book and also a handout
10 that's available to the public.

11 I don't know if there are any general questions
12 that anyone might have for Jerry? I'm sure he'd entertain
13 those.

14 MS. MUCKLOW: Where is your office, Jerry?

15 MR. GILLESPIE: As you walk down the corridor of
16 the hotel and look to your left you'll see a building down
17 the hill. It's called the Waterfront Center. I'm presently
18 on the third floor with a wonderful view. Sometime this
19 week I'll go to the first floor with a lesser view, but
20 first floor space. It's Waterfront Center. It's the only
21 building on 9th Street, S.W.

1 One of the things that I hope was implicit in what
2 I presented is that we will be making contact with our
3 shareholders.

4 MR. BILLY: Yes. In the material that's in Tab
5 11, the handout on the Institute, it includes his address
6 and phone number, fax number and e-mail address, so I'm sure
7 he would encourage any and all of you to get in touch with
8 him if you want more information or for any other reason.

9 Yes, Rosemary?

10 MS. MUCKLOW: I told Jerry some years ago that as
11 a little girl in Edinburgh, Scotland, I went to James
12 Gillespie's High School for Girls. James and his brother
13 were snack merchants on the royal mile in Edinburgh. They'd
14 be quite proud of how proud the Gillespies have come.

15 MR. GILLESPIE: Thank you very much.

16 MR. BILLY: All right. Any other questions or
17 comments from the committee?

18 Okay. Thank you very much, Jerry. I appreciate
19 that.

20 The next item under the briefings in the research
21 area will be a briefing by Dr. James Lindsay and Dr. Jane

1 Robens from the Agricultural Research Service that focuses
2 on ARS' food safety research with an emphasis on
3 Campylobacter.

4 Again, we very much appreciate this opportunity
5 where some of the cutting edge research that's underway can
6 be shared with you. It's obviously very relevant to food
7 safety and the role of this committee, so we appreciate the
8 willingness of ARS to share with us this type of
9 information.

10 Jim?

11 MR. LINDSAY: Thank you very much, Tom. Yes.
12 We're going to actually present some data that isn't even
13 published to date, so you'll be the first ones to hear it.

14 What I thought I'd do, what Jane and I would do,
15 is I would just give you a brief introduction to the budget
16 issues, and then Jane would talk about pre-harvest research
17 in Campylobacter, and I would finish with the post-harvest.

18 This is just a graph showing the trend in the food
19 safety budget. It's quite obvious that, and the agency is
20 very grateful, we've doubled our budget in the last five
21 years from \$46 million to slightly over \$90 million. We are

1 truly appreciative of that, and you can see that although
2 this is the 2000 budget we now have a little over 100
3 projects and certainly slightly over ten percent of the
4 active research scientists with ARS.

5 If you were to break that down in terms of the
6 four program areas within our program, National Program 108,
7 pathogen control, of which obviously Campylobacter research
8 is a key unit, would be about two-thirds of the budget. As
9 regards to Campylobacter research itself, obviously you can
10 see it's increased dramatically again over the last five
11 years. It now runs, if you take the budget as a whole,
12 around about 6.5 to seven percent of the total budget and
13 about ten percent of the pathogen research budget. It's
14 pretty well plateaued out now.

15 The majority of that money, you'll see, is
16 actually in pre-harvest. The post-harvest research funding
17 has actually only increased relatively recently, but you can
18 see it's a significant portion, and it's broken up based on
19 those food initiative codes. Again, the majority of it goes
20 into prevention techniques and within the two new categories
21 within our agency into manure and to project research.

1 MR. BILLY: Jim, there's a couple people that are
2 having a hard time hearing, so maybe you can make some
3 adjustment there --

4 MR. LINDSAY: Sure.

5 MR. BILLY: -- that will help. Also, there's a
6 handout that was passed out that's also available out on the
7 table that captures these slides and this information.

8 MR. LINDSAY: Can everybody hear me now better?

9 MR. BILLY: Yes.

10 MR. LINDSAY: Okay. Let me move this up. Okay.

11 In terms of the locations where the majority of
12 this research is done, as you can see the majority of it is
13 done in two sites, in Athens, Georgia, and in Albany in
14 California. The research in Athens is generally
15 pre-harvest, and in Albany it's post-harvest.

16 Okay. I'd like to present Jane.

17 MS. ROBENS: Thank you, Jim.

18 I'm really pleased to be here and be able to share
19 some of the ARS research with you. Just a minute to go back
20 to the previous slide here, I want to make a comment.

21 The research at those top locations is where we

1 really focus on Campylobacter. Those at the bottom six or
2 seven, most of those locations are where we are doing animal
3 manure research, and it gets classified by the pathogens
4 that we're looking for. Campylobacter is one of them, but
5 we're not studying Campylobacter per se.

6 The research that I'm focusing on here is poultry
7 in Athens, Georgia. That's with Norm Stern. I'm sure most
8 of you in the room have heard Norm talk at one time or
9 another. The second location is the swine research that's
10 carried out at College Station, Texas. Roger Harvey is
11 carrying out that research.

12 I know most of you are familiar with
13 Campylobacter, but I do want to remind you again that it
14 does present a lot of basic biological challenges. It's
15 difficult to detect. It requires reduced oxygen retention
16 for growth, and it may be overlooked because of overgrowth
17 by salmonella and other bacteria if the samples are not
18 handled properly prior to laboratory recovery and
19 identification.

20 In particular, samples must be held on ice during
21 transport and holding. It can't be isolated from young

1 birds prior to three weeks of age, and that, of course,
2 stymied Norm for a number of years, but I think he may be
3 going to get on top of that one. Consequently, the progress
4 in understanding its epidemiology and ecology has been
5 slowed compared to salmonella, and we're now just learning
6 both sources of infection and the mode of transmission in
7 poultry.

8 Another problem that isn't on there is the
9 co-aggregation of colonies. We find jejuni and coli
10 colonies together, and unless you make a real effort they
11 aren't easily differentiated. Therefore, when we're
12 studying one or the other it's possible that we make a few
13 mistakes, but we're trying hard to get on top of that one.

14 This is Norm Stern's research here with broilers
15 and with Campylobacter at Athens. There are three
16 different facets of his work I'm going to mention. One is
17 the genetic characterization, and he's working with jejuni.

18 This he's looked at both from U.S. epidemiological studies
19 and also comparisons of commercial breeder flocks with their
20 offspring in the broiler flocks.

21 Secondly, it's cooperative U.S. epidemiological

1 studies with four major broiler companies, and the third one
2 is his Icelandic epidemiological study. There he is
3 sampling poultry production sites. He's sampling the birds
4 at slaughter, and relevant human isolates are being sampled
5 by a Canadian study partner to help assess the importance of
6 the Campylobacter from the chickens.

7 In the U.S. study, there were four large
8 integrated broiler companies located around the U.S. At
9 each of these locations there were two farms, a low
10 production and a high production flock, and they were
11 sampled. All of those farms were sampled over four seasons.

12 The tested sources included feces, water lines and cups,
13 drag swabs, litter, feed hoppers, band swabs, mice and other
14 animal feces, insects, boot swabs, transport crates, carcass
15 rinses, pre-chill and post-chill samples.

16 The overall incidence of Campylobacter in these
17 studies was lower than in previous similar studies, but the
18 main objective of these studies was to try to determine
19 where the samples of Campylobacter might be coming from
20 that are then found at slaughter. He used molecular methods
21 for this epidemiological testing, used the FLA-A SBR DNA

1 sequencing wherein they amplify this DNA using PCR. It does
2 have significant discriminatory power to accurately deduce
3 the difference between isolates.

4 I have two of these slides that are samples of his
5 results. He has a dozen or more and has probably shown them
6 all at some occasion, but these are two from a southern low
7 integrated. That means a low production flock. In this
8 first one, the sequences from the majority of animal
9 production and animal processing samples were identical and,
10 therefore, considered to be of the same clonal origin. This
11 data suggests that final product contamination may originate
12 from feces of the production bird.

13 As regards the environmental samples such as wild
14 bird samples, they were quite different; as much as 22
15 percent from both the animal production and processing
16 isolates. He said that this suggests that these samples
17 were not a contributing factor here to contamination of the
18 final product.

19 This is the same farm in the fall when it was
20 sampled and quite a bit different picture, which I have no
21 explanation for, nor has Norm given me one. The majority of

1 the animal production samples here were again closely
2 related. However, analysis of all the isolates derived from
3 animal production sources demonstrated up to a four percent
4 difference.

5 This suggests that multiple clones of Campy may be
6 present within this flock as this is different than the
7 previous one I showed you, while bird feces again
8 demonstrated a 20 percent difference from both animal
9 production and processing isolates.

10 Okay. I went the wrong way here. His overall
11 results from these four different locations with the high
12 and low producers and so on were that, one, multiple clones
13 of Campylobacter were present within a single flock, and
14 although final product contamination with Campylobacter
15 originates from a variety of sources, some sources are more
16 critical than others, particularly the feces of the
17 production birds.

18 Now, of course, Norm has also been interested,
19 highly interested, in vertical transmission because this is
20 another way that it may be entering the production flocks.
21 Here he's looked at fresh fecal droppings obtained from a

1 commercial grower/breeder flock and then also looked at the
2 breeder progeny. He did again molecular subtyping analyses,
3 both ribo typing, SVR LA-AG.

4 The comparison provided evidence that
5 *Campylobacter* could be transmitted vertically, that is
6 through the embryonated egg. That may be why the birds are
7 all becoming infected and he's able to pick it up at three
8 weeks or more.

9 This is the type of result that he shows. This
10 was from an Arkansas flock. This was Isolate 530, and all
11 of the Arkansas broiler isolates were closely related, a 1.4
12 percent maximum difference; therefore, a likely clonal
13 origin. This means that the broilers got it from their
14 parents.

15 Now, the third study from Dr. Stern I will mention
16 is the Icelandic epidemiological study. Why go to Iceland
17 for an epidemiology study? Iceland produces 100 percent of
18 its poultry. They don't import poultry. Their fertile eggs
19 do originate in Sweden, however.

20 The poultry industry of Iceland is generally
21 similar to that of the U.S. the way they are set up and

1 operate. However, Iceland consumes roughly only 25 percent
2 of the amount of poultry consumed in the U.S. However, the
3 frequency of human Campylobacteriosis in Iceland is several
4 fold higher than in the U.S.

5 This study is ongoing. They are sampling poultry
6 sites, and they are sampling birds at slaughter. They are
7 obtaining lymph samples from approximately one of every
8 1,000 carcasses produced from each of two slaughterhouses.
9 They are obtaining isolates of Campylobacter from people
10 domestically exposed to Campy through eating birds. There
11 is no foreign travel associated isolates; at least they're
12 trying very hard to avoid those.

13 They are performing genetic analyses on these just
14 as they did with the domestic studies. Therefore, they can
15 quantitatively evaluate poultry as a source of human
16 Campylobacter infection.

17 Now, early results of this study have shown that
18 sequences of human isolates from August, 1999, -- that's a
19 year ago -- were identical to the chicken isolates from an
20 August 9 Flock 1 that they sampled. This strongly suggests
21 that chickens may be a source of Campylobacter infection in

1 humans in Iceland.

2 Okay. Now to switch to swine. This is a
3 prevalence of Campylobacter that was found by our ARS
4 College Station laboratory. Roger Harvey was the chief
5 investigator there. There are three little studies that I'm
6 going to mention.

7 In the first one here, Campylobacter are isolated
8 from the intestinal tract of pigs raised in an integrated
9 swine production system. It was four barrow to finish
10 farms. Samples of fecal contents were collected from nearly
11 600 pigs weighing 242 pounds at the time of slaughter over a
12 nine month period. The pigs were offspring of Yorkshire
13 Landrase sows and Durrock or Hampshire boars. The
14 Campylobacter were isolated from 70 to 90 percent of the
15 pigs, depending on the farm and the date the samples were
16 collected over this nine month period.

17 Some results of this Campy isolation were the
18 slaughter plant samples were obtained from 50 pigs per
19 visit. They were originated from the designated farms so
20 that the samples were obtained three times from pigs from
21 each of four farms. We did get some replication. Their

1 separation of coli and jejuni showed, of course, a wide
2 variation in the percentage of those that were present.
3 Coli was about twice as high as jejuni, and they did find
4 lary, of course, in two pigs.

5 The numbers of Campylobacter from each isolation
6 ranged from ten to the three to ten to the seventh power in
7 performing units per gram of fecal content. Just for
8 reference, the NARMS 1995 swine survey found about the same
9 percentages of coli versus jejuni in swine.

10 I've got a couple of slides of results on a
11 neonatal study in swine. Piglets can be colonized as early
12 as 24 hours of age when they are raised on the sow. When
13 positive piglets are weaned and reared together in floor
14 pens, they do remain positive for Campylobacter, but if
15 these 24 hour piglets that are positive for Campylobacter
16 are removed from the sow and raised in wire floored pens,
17 they eventually become negative for Campylobacter.
18 Conversely, their litter mates raised on the sow will remain
19 positive for Campylobacter.

20 These are some data that show what I was just
21 saying; that the sow reared pigs do retain the

1 Campylobacter, whereas those that are nursery reared, they
2 go in Trial 1 from 13 of 14 positives to zero of 14. In
3 Trial 2, the Campy positives go in the nursery reared pigs
4 -- they decreased from 12 of 29 to five of 26 on Day 20.
5 Quite a change that's brought about just by growing up in a
6 Campy free environment.

7 They looked at some factors influencing
8 Campylobacter status. The effects of feed withdrawal and
9 transport were determined in a surgical pig model. Here
10 they had four nine kilogram Yucatan miniature gilts with
11 fecal cannulas that were surgically implanted, but the pigs
12 were naturally infected with Campylobacter jejuni. Then
13 they had a 30 day recovery period and following that feed
14 withdrawal for 48 hours with significantly -- the feed
15 withdrawal significantly increased the Campylobacter jejuni
16 concentration in the fecal contents, and the fecal contents
17 had an increase pH after this feed withdrawal.

18 Conversely, though, in transportation, which we
19 usually think of creating a problem, when they were trucked
20 around College Station for three to five hours this had no
21 measurable effect on the number of Campylobacter.

1 Okay. I guess that's it. Thank you. Thank you
2 all. If you have questions, or do you want to give any
3 questions at the end?

4 MR. BILLY: Thanks, Jane.

5 MR. LINDSAY: Okay. I'd like to discuss the
6 post-harvest research program starting from east of the
7 United States and moving west.

8 The post-harvest research program at the eastern
9 regional laboratory is spread over several units. In the
10 microbial food safety unit, which Joan Lachanski is the
11 research leader, this is a new initiative, and it's goal is
12 to determine effects that exposure to food environments have
13 on bacterial stress response, adaptation and virulence. We
14 have a new scientist, Barbara Solla, who has taken up this
15 initiative, and she's working in Peno Fredimico's group.

16 Now, the specific goals within this are to
17 determine mechanisms of global and specific responses and to
18 understand the biochemical and molecular basis for survival
19 under adverse conditions. There's a variety of different
20 conditions here -- culled heat, osmotic oxygen, acid -- and
21 there's obviously going to be some genomic and proteomic

1 analysis.

2 Now, why is this important? It appears that
3 Campylobacter has a different mechanism and stress response
4 than what you normally find with say coli. It doesn't have
5 an RPOS system. We simply don't know how the organism
6 adapts to changes in environment.

7 Now, one of the things that we do know it does is
8 that it changes its structure, and this may be a function of
9 the lipopolysaccharide in the membrane because
10 Campylobacter is very closely related to Helicobacter
11 pylori, and there is some similarity in the mechanisms of
12 adaptation.

13 Now, obviously involved in this is the development
14 of methods to detect stressed or injured cells. These are
15 pleomorphic in nature, and what I mean by pleomorphic is
16 that the same organism can have two or three different
17 structures. The normal structure that you might associate
18 with Campylobacter is that spiral rod, but you can also
19 have this globular structure, and then it can go into a
20 viable non-culturable form.

21 Now, this is very difficult to enumerate, and we

1 have tried to develop a variety of different medias to try
2 and resuscitate these different stages, but it's proved to
3 be very difficult. FSIS is currently evaluating the Eric
4 Rhine media, and this may be a very useful method. However,
5 it does not discriminate between *Campylobacter jejuni* and
6 *Campylobacter coli*.

7 Jane mentioned aggregation of colonies, and I want
8 to show you some very recent data about this which has
9 caused us to reassess how we do this, how we do our analysis
10 of *Campylobacter*. One of the things that we have been able
11 to do, and this is the work that Peno Fredimico has done
12 which is not yet published, is we have developed a multiplex
13 PCR for both *Campylobacter jejuni* and *coli*, and you can see
14 that it's relatively simple. It's a plus or minus. If you
15 have a 160 base pair band or product plus the 400 it's
16 *jejuni*. If you have the 400 plus the 894 it's *coli*.

17 This was evaluated for some isolates that were
18 taken from the Hatfield processing plant just outside New
19 York, and it was able to differentiate between eight *jejuni*
20 and 52 isolates of *coli*. It's much more accurate than the
21 contest, and in talking with Peno about it she believes that

1 this PCR procedure could be used for speciation from a
2 variety of different samples.

3 In looking at the isolates, and this was a
4 continuation because of some work that was done by Sam
5 Columbo, who is now retired. Looking at those isolates that
6 were taken from Hatfield, all 60 had very distinctive PFG
7 profiles. This is similar to what Norm has found in that
8 you may have totally different types of organisms within the
9 same environment.

10 Now, the genetics of Campylobacter is very, very
11 difficult. There appears to be no repeated sequence. The
12 organism has a much higher mutation rate than you normally
13 find with other enterics, and there is certainly some plasma
14 associations with antibiotic resistance and virulence, but
15 these are all very, very new things that we're looking at.

16 Over 60 strains of Campylobacter in this study
17 were resistant to at least five antibiotics, including those
18 to treat humans. Twenty-five percent of the strains were
19 resistant to one of the three flora quinolones, the three
20 listed there. Three percent of the isolates were resistant
21 to three flora quinolones, and 50 percent were resistant to

1 suprafluxocin, which is used to treat infections in humans.

2 Now, each of the 60 isolates were distinct, as I
3 said, suggesting that there are multiple clones present
4 within this processing plant. If you translate that to
5 other plants, this sets up a scenario where you have
6 multiple parts of organisms inhabiting different types of
7 niches, and that in itself starts to complicate matters.

8 Some other work that's just started within this
9 unit is specifically the effect of competitive flora and
10 temperature on survival, microscopic studies to reveal the
11 specific location and the state of cells, the incidence
12 during stages of processing and the genetic relatedness,
13 some of which I've already mentioned, and methods to limit
14 the number of carcasses or numbers on carcasses exiting the
15 slaughterhouse.

16 Just to show you actually on a carcass what I was
17 mentioning before, you can see on the left-hand side the
18 typical spiral that you find. In the next slide I'll
19 mention Peno terms the spiral shape of the Campylobacter as
20 being embedded. It is totally different and much harder to
21 remove when you're trying to do processing than the one on

1 the left where you have this globular or circular type
2 organism.

3 So in an analysis of the Campylobacter growth on
4 pork skins, it survives better at four degrees than an minus
5 20 or at 25 under either microaerophilic or aerobic
6 conditions, and that's going to be a very critical issue.
7 Freezing at minus 20 for greater than 48 hours results in a
8 two to three log decrease. Numbers are not greatly altered
9 by the presence of other bacterias, so there seems to be no
10 effect of the formation of biofilms.

11 As I mentioned, Campylobacter is embedded in pork
12 skin at four degrees C, so the spiral shape seems to attach
13 much stronger than maybe flagera or other membrane proteins
14 involved in this, whereas at higher temperatures under
15 microaerophilic conditions the organism is on the surface of
16 the skin and relatively easy to remove.

17 Other studies that are planned or in progress, and
18 these are actually studies that have just been approved in
19 Peno Fredimico's proposal that has just finalized its
20 review, is to examine the microbial ecology on pork,
21 including the ribosome sensing in regulating viability and

1 virulence, develop interventions for controlling pork at
2 different temperatures, but the key in this is obviously
3 doing a four degree C refrigeration temperature, to expand
4 the predictive microbiology and passive modeling program,
5 research to assist industry and regulators, and this will be
6 done in association with the new CRS that has been taken up
7 by Mark Tamplin, who has recently joined us.

8 For those of you who may not know, Peg Coleman,
9 who works for FSIS, is now on detail with ARS within Mark
10 Tamplin's group for the next year to do or to be intimately
11 involved in this modeling.

12 To utilize genomics and expression profiling to
13 better characterize and control undesirable strains and
14 obviously to validate the HACCP based inspection model
15 project and the processing plant.

16 Now, in association with the eastern lab we also
17 have a research facility based at the University of Maryland
18 on the eastern shore, which is Tom Oscoff. He's now doing
19 some work with a member of the faculty, Ian Allen, a new
20 project to develop mathematical models to determine the
21 effect of multiple food formulation variables and

1 intervention strategies.

2 Specifically putting this back up again, new
3 projects, development of predictive models for the survival
4 of strains of jejuni on chicken products, develop data to
5 establish modeling methods and use of modeling protocols to
6 examine strain variable. A key issue again, competing
7 organisms, meat formulation and survival kinetics.

8 This is very appropriate. Tom has been very -- is
9 well known for developing user friendly models for both FSIS
10 and industry relative to organism growth on food products.

11 In the microbial biophysics biochemistry unit,
12 which is headed by Shuey Tu, we also have a new scientist
13 there, Linda Yu, who worked with us at Hatfield. Her goal
14 is to develop more sensitive, rapid and user friendly
15 detection methods and biocensus for regulatory agencies.

16 Again, her new projects are the sitopathogenicity
17 assay, which is tissue culture based, and it's based on
18 using the CDT toxin, which is produced by jejuni, but not
19 coli. This is going to be a very difficult method to
20 develop. Relying on tissue cultures can be tenuous at best,
21 but we have high hopes that this may have a real practical

1 use in determining virulence of key strains that are
2 isolated.

3 There's also a development of methods using amino
4 magnetic beads and new approaches for extracting and
5 concentrating and isolating the organisms from food. This
6 is key. If you can't concentrate the organisms from the
7 food matrices, it's obviously very difficult to enumerate
8 it.

9 The group has developed two amino magnetic
10 separation methods. One involved a strip avidin bead and
11 the other one a torso activated bead. To show you some
12 recent data, and again this is not published. This is on
13 the strip avidin. They've been looking at the effective
14 different cutting procedures, incubation times, the number
15 of magnetic beads, innoculin levels, and without pre-
16 enrichment.

17 This is key. They were able to determine ten to
18 the fourth colony forming units per gram in gram poultry
19 products. That's a start. We'd obviously like to get it
20 much more sensitive than that.

21 At Athens, we transferred both Rick Monosman and

1 Mark Loran from Norm Stern's unit to Gene Lyons' unit about
2 a year ago and asked them to develop a new program. Its
3 goal was to lower bacterial contamination incidence on
4 processed poultry by examining the microbial interactions
5 actually within the processing plant, so we have a microbial
6 ecologist working with a Campylobacter geneticist, and this
7 has turned out to be a really good union.

8 Their goal is to delineate Campylobacter
9 transmissions within the processing plant. As the bird is
10 coming in what is actually within the plant, are there
11 specific niches where certain types of Campylobacter,
12 either be it coli or jejuni or both, that have varying types
13 of structures actually inhabit, to study the population
14 genetics to determine if genetic adaptations benefit from
15 transmission and to determine if environmentally regulated
16 factors contribute to the survival. Again, this is a very
17 new project.

18 Finally, I want to talk about what's going on
19 within our western lab. This is the food safety and health
20 unit, which is headed by Rob Mandrell. Their program is now
21 shifting from working with poultry to working with produce,

1 although they still use poultry or chicken skins as a model
2 system.

3 The goal is understanding how Campylobacter
4 attach and survive in the environment related to food,
5 including soil, water, air, plant, roots, leaves, meat and
6 obviously processing environments. In all of these studies
7 between the different groups or the different centers,
8 Russell, Eastern and Albany, the key individuals are not
9 working in isolation. They talk to each other, and they
10 work as a team in solving problems. Each of them has a
11 separate specialty, and each of them contributes to the
12 common goal in this.

13 Develop new detection methods for identification,
14 develop attachment models, screen for natural
15 antimicrobials, minimize Campylobacter in processing
16 environments and develop new strategies to minimize
17 contamination during growth and harvesting of poultry and
18 produce.

19 We were very fortunate in that we were able to
20 transfer in a sense Larry Stanka, who had been a research
21 leader at College Station, to start a whole new biosensor

1 research program at Albany. He's not the research leader
2 out there, but he's actually heading a whole new group
3 specifically focused in on developing new biosensor
4 technologies. He's been able to produce specific anti
5 Campylobacter antibodies for detection, identification and
6 capture.

7 There is another scientist out there, Bill Hadden,
8 who has developed mass spectrometry techniques -- this is
9 known as -- for identification, and it could be used for
10 proteomics.

11 Just to show, this is very recent data, and I mean
12 recent in that it only came out last Friday. This is using
13 a europium labeled monoclonal antibody modified with a marker
14 filtration assay which could potentially be used on line.
15 They've been able to achieve a sensitivity of ten colony
16 forming units per mil using either a single or a mixture of
17 monoclonal antibodies and the graph showing on the right-
18 hand side showing different combinations. There's a
19 similarity in all of this. That's the type of sensitivity
20 we're looking for, ten colony forming units per mil.

21 The work with Bill Hadden, this is using the

1 matrix assisted laser absorption ionization, also known as
2 MALAITOP (phonetic). What he ostensibly does is that he can
3 take colonies actually out on a plate, pick the colony, put
4 it in organic acid, put it within a laser, bombard it, and
5 the fragmentation patterns, which are shown here, the type
6 of fragmentation patterns can differentiate between the
7 different species. Now, obviously we can't determine the
8 virulence factors, but this is a very rapid way of doing it
9 because this literally takes merely seconds to do, so we are
10 able to classify *Campylobacter* based on a series of
11 biomarkers.

12 Some new work that is being done by a young
13 scientist by the name of Bill Miller is the production of
14 fluorescent reported strains to differential fluorescent
15 induction, and what the idea here is to examine
16 *Campylobacter jejuni* expression.

17 We can also study attachment of *jejuni* to poultry
18 skin and to progenies, study the ecology and biology in
19 complex environments and biofilms and may provide a means to
20 measure pathogen reduction, enabling characterization of
21 specific gene products that can be targeted for anti-

1 adherence strategies performing vivo studies, inoculation
2 studies to determine intra and inter species competition
3 within the gut. That sounds like a whole lot, but this is a
4 huge program involving nine scientists.

5 Now, Jane mentioned about aggregation, and this is
6 some interesting work that Bill Miller did. He was able to
7 label different strains of Campylobacter different colors
8 and look at them under light. You can see here the two at
9 the top. You've got a light blue and a green one. If you
10 were to look at that actually on a plate it looks like a
11 single colony, but it's actually two different strains.

12 Now, if you were to try to pick that off, you
13 would never know whether you were actually trying to get a
14 single isolate or whether or not you had a contaminated
15 isolate or two isolates. This becomes key in looking at
16 this because do we want to differentiate between
17 Campylobacter jejuni and Campylobacter coli? Do we really
18 care? Is it important? Is Campylobacter coli as important
19 in terms of food borne illness as Campylobacter jejuni?

20 There is only one report of Campylobacter coli
21 actually being implicated in Guillian Barre, whereas jejuni

1 normally is, but that doesn't necessarily imply that the
2 coli is not important as a causation of food borne illness,
3 so you can see that Campylobacter strains aggregate and
4 that more than one colony or one colony could be actually
5 more than one strain.

6 Now, the fluorescent strains can also be used for
7 attachment studies. Although there are four different
8 studies there, you can see on the top that the
9 Campylobacter is actually adhered so we're able to use
10 these fluorescent marked strains for attachment studies,
11 obviously better culture methods and, as I said, gene
12 expression and study of organisms in complex environments.

13 I think this is getting close to the end. The
14 interesting thing or an interesting study that they did was
15 to feed fluorescent Campylobacter jejuni to chickens, house
16 them and then take the intestinal tissue and look at them.
17 The interesting thing is that although there were two
18 co-inoculated, there was specific competition for attachment
19 sites within the gut.

20 It may be that only certain strains of
21 Campylobacter like to adhere to certain or have a

1 propensity to attach to a chicken gut or a pig gut or a pig
2 skin or a chicken skin, so this is very important
3 information because we need to develop different strategies
4 in each of these cases.

5 I think that's the end. Thank you very much.

6 MR. BILLY: Thank you very much. I'd like to
7 thank both Dr. Lindsay and Dr. Robens for their
8 presentations.

9 I'll speak only for myself. I can't tell you how
10 excited I am about seeing this kind of research being done.
11 We're clearly beginning to benefit from those increases in
12 the budget that you highlighted at the beginning.

13 What's most important is the understanding that
14 comes from this kind of research will enable us, us being
15 both the industry that's producing the products and the
16 regulatory agency, with our responsibilities to do a better
17 job, a more effective job for consumers. It's really
18 exciting.

19 Are there questions from the committee? Yes, Jim?

20 MR. DENTON: I have perhaps two questions for Jane
21 with regard to the work that we reported that Norm is doing.

1 MR. BILLY: Jane?

2 MS. WILCOX: Jane?

3 MR. BILLY: Jane, would you step up here? Come up
4 to the podium.

5 MR. DENTON: I didn't hear the question.

6 MS. WILCOX: Well, he's going to ask it right now.

7 MR. DENTON: Part of the basic challenge or the
8 basic premise for some of the work that you reported on that
9 Norm was doing is that he could not isolate Campylobacter
10 from young birds prior to three weeks of age, and yet later
11 in the report the fecal droppings from both the breeders and
12 progeny were analyzed and found that they were genetically
13 linked with the same strain of Campylobacter, indicating
14 that vertical transmission from breeders through the
15 embryonated egg may be possible.

16 MS. ROBENS: Yes.

17 MR. DENTON: Did Norm provide any insight as to
18 why this very unusual situation occurs because of the
19 inability to locate that organism in the first three weeks?

20 MS. ROBENS: I haven't heard anything specific,
21 but I think all the things that you just heard from Jim

1 about the specifics of how Campylobacter lives and how it
2 hides and how it changes its colors and so on all probably
3 contribute to that inability to culture it from the very
4 young birds, but I don't have a very specific answer for
5 you.

6 MR. DENTON: Okay.

7 MS. ROBENS: We're dealing with an organism that's
8 ever so much more complicated than salmonella.

9 MR. DENTON: It definitely is a different --

10 MS. ROBENS: Yes.

11 MR. DENTON: -- type of organism.

12 MR. BILLY: Okay. Katie?

13 MS. HANNIGAN: I'm wondering if this is the only
14 organism you're aware of that a single colony can represent
15 more than one strain?

16 MR. LINDSAY: We haven't looked at it past this.
17 This was very fortuitous. I mean, the -- colonies was
18 actually only reported to me three weeks go.

19 MR. BILLY: Jim, would you speak into the
20 microphone?

21 MR. LINDSAY: Sorry.

1 MR. BILLY: The reason primarily is we're also
2 recording this.

3 MR. LINDSAY: We honestly don't know. Bill Miller
4 actually gave this research at a meeting we had in Sonoma
5 three weeks ago, so we would obviously like to look at this
6 in other organisms. You know, most of the people within
7 ARS, most of the scientists, have not seen this information
8 and probably will not see it until the meeting in January.

9 MS. HANNIGAN: And then the other question I would
10 have for you is do you folks have a theory as to why when
11 hogs are off of feed for 48 hours that the incident rate
12 went up?

13 MS. ROBENS: I think when they were off feed
14 didn't it -- I think the slide showed they were pulled off
15 of feed for 48 hours.

16 MS. HANNIGAN: Yes.

17 MS. ROBENS: Yes.

18 MS. HANNIGAN: It went up.

19 MS. ROBENS: No. I do not know. It might have
20 been something to do with the pH of the colon, but this is
21 not just found in hogs. I think that observation has also

1 been made in cattle and may have been made in poultry as
2 well, but I don't have specifics.

3 MR. BILLY: Nancy? Okay. Lee?

4 MR. JAN: Yes. I'd like to ask about the swine
5 process where those that were taken off the sow. On the
6 second project, the Trial 2, five of 26 on Day 20 were still
7 positive. Do you know if those five were five of the first
8 12 that were positive, or is that five that then become
9 infected and --

10 MS. ROBENS: No. I understand what you're asking,
11 but I don't know the answer. I can ask Roger Harvey to make
12 it clear if you --

13 MR. JAN: I was just interested in would that
14 indicate that some have a longer ability to retain or a
15 longer carrier stage than others. That was my --

16 MS. ROBENS: I'm sure that probably is a major
17 factor, but that line of research has not been carried as
18 far as it might be to show the exact relationship between
19 the infection, which presumably comes from the sow, and the
20 conditions thereafter. They did have to be up on a wire or
21 a mesh floor in order to clear, but as to the specific pigs

1 I don't know.

2 MR. JAN: One other question on that line. Do you
3 know if there was any difference if the piglets are allowed
4 to stay with the sow for a period of time and then moved to
5 a screen floor and if they would clear also?

6 MS. ROBENS: I don't think they did that
7 particular study, but again you could ask Roger Harvey for
8 more details. He did some other studies, which I am not
9 completely on top of. I just picked these three as being
10 representative of the work that he's carrying out.

11 MR. BILLY: Okay. We very much appreciate the
12 information you've shared with us. It certainly is timely,
13 and we're very excited about these kinds of research
14 results. They're going to contribute significantly to food
15 safety. Thank you very much.

16 Okay. Now we move on to the final item on our
17 agenda for this afternoon, which is the public comment
18 period. There are three individuals that have indicated
19 their desire to speak.

20 The first person is Felicia Nester from the
21 Government Accountability Project. She wishes to address

1 two topics. One is HACCP Phase II, and the other is HIMP.

2 Felicia?

3 MS. NESTER: My name is Felicia Nester from
4 Government Accountability Project. First I'm going to talk
5 about --

6 MR. BILLY: Felicia, maybe it would be easier if
7 you went to that podium where folks could see you. Thank
8 you.

9 MS. NESTER: First I'm going to talk about HIMP.
10 We have two comments on the HIMP program. I passed out a
11 chart before to members of the committee, and now FSIS is
12 getting it.

13 First I wanted to talk about the statistical
14 comparison that was being discussed this morning and to say
15 that we would like to reiterate our call for an apple to
16 apple comparison. So far, if I'm not mistaken, everything
17 we've seen in terms of comparisons has been the 75th
18 percentile under traditional with the average under HIMP.

19 What we'd like to see is a comparison of the
20 averages of the traditional and the HIMP and the mediums of
21 traditional and HIMP in both systems using the RTI data

1 because the RTI supposedly was sent in there specifically so
2 that we could be assured that this data is consistent and
3 objective.

4 Now I want to move to the chart. This is a chart
5 of OCP 1 failures at one of the HIMP poultry plants for a
6 two month period of time. The concern is this. At the
7 beginning of the project, FSIS said that though they were
8 splitting categorization between food safety and other
9 consumer protections that the public was assured that OCP
10 failures would be prevented by the inspectors in the plant.

11 What you can see from this chart is that between
12 December 13, 1999, and February 12, 2000, the plant failed
13 the OCP 1 standard on 32 working days, and it either met the
14 standard or was below the standard, did better than the
15 performing standard, on 13 of those days.

16 Our concern is what happened here? How could this
17 happen under HIMP if the plants were going to be required to
18 maintain control of their process and, in the absence of
19 that, the inspector had the authority to step in and insure
20 that this kind of thing didn't go out to the public?

21 Our second concern and question is around the end

1 of this chart, February 11, if I'm not mistaken, the
2 Department released a public statement saying that there was
3 no reason to believe that anything other than safe and
4 wholesome product had been released by this plant, so my
5 question is this. Did the Department not consult its own
6 records before it made that statement, or are we not
7 understanding what the Department's definition of wholesome
8 is?

9 This is the concern and question. Does this sort
10 of adulteration meet the Department's definition of
11 wholesome, or does this violate the Department's definition
12 of wholesome?

13 One of the reasons that we've particularly picked
14 the OCP 1 is that at every public meeting on HIMP and at
15 every National Advisory Committee meeting on HIMP, to my
16 recollection, the National Association of Federal
17 Veterinarians expressed concern about the inclusion of air
18 sacculitis in the OCP 1 category. There is some information,
19 OIG investigative information and other anecdotal evidence,
20 to suggest that these OCP 1 failures are for the most part,
21 if not exclusively, air sacculitis.

1 MR. BILLY: Okay. Thank you very much.

2 The next presenter is Dale Boyle, Dr. Dale Boyle,
3 who is with the National Association of Federal
4 Veterinarians.

5 MS. SCHULTZ KASTER: I have a question first.

6 MR. BILLY: Sure.

7 MS. SCHULTZ KASTER: She provided us with these
8 packets, and I appreciate it. I'm not trying to disparage
9 what's in the packet necessarily, but if you remember at the
10 last meeting our esteemed colleague, Katie, provided us with
11 a set of information that I guess we had as a committee a
12 problem with information being presented like that, and that
13 was from a committee member.

14 Now we have a non-committee member presenting us
15 with information for consideration in a subcommittee, and I
16 guess I would like to know what your thoughts are on that or
17 what the other committee members' thoughts are on that.

18 MR. BILLY: Yes. I think my guidance to you would
19 be to consider what was presented in terms of HACCP Phase
20 II, and to the extent that you wish to consider other
21 information from your experience or data or information that

1 was provided from anyone else, that's up to you to factor
2 in. I'm not going to take any position on that.

3 I think what's important is that at this formative
4 stage we draw from in particular your experience and your
5 knowledge and your concerns about how we move forward in
6 terms of HACCP. There will be opportunity for this type of
7 information to be made available through the common process
8 tied to the public meeting and to be factored into any
9 decisions that the agency ultimately makes about where we
10 focus our energies.

11 I respect the difficulty it represents in terms of
12 being a lot of information and so I'll consider it as
13 information that's available to you, but it's up to you to
14 decide whether you want to consider it as you carry out your
15 discussions this evening.

16 Yes?

17 MS. SCHULTZ KASTER: One other small comment about
18 that.

19 MR. BILLY: Sure.

20 MS. SCHULTZ KASTER: I just think we should be
21 consistent because --

1 MR. BILLY: That's fine.

2 MS. SCHULTZ KASTER: -- when Katie passed that
3 out, as I recall, that information was scooped back up, and
4 then it was mailed to us. Am I remembering that right? Is
5 that right?

6 I mean, I could bring gobs of information with me
7 to every committee meeting. I mean, I carry enough home.
8 We need to be consistent in whether or not we're going to
9 allow additional materials besides what you so ably present
10 us with each time.

11 MR. BILLY: Yes. Fair enough. Perhaps what we
12 need to do as we move forward is to have a more specific
13 policy with regard to that.

14 I'm very reluctant to say that we shouldn't
15 consider any information. On the other hand, we need to
16 have an approach that's fair to everyone on the committee
17 and the task that you've being given.

18 Why don't you consider that guidance I gave you
19 for now. I'm not going to ask that you do it any particular
20 way. What we will do is come up with specific guidance for
21 the future in this regard.

1 MS. SCHULTZ KASTER: Thank you.

2 MR. BILLY: Okay. Again, the next presenter is
3 Dale Boyle. He's with the National Association of Federal
4 Veterinarians, and he wants to speak specifically on the
5 HIMP project, which is one of the updates that was provided
6 earlier today.

7 Dale?

8 MR. BOYLE: The reason I asked to come forward is
9 NAFV, the National Association of Federal Veterinarians,
10 recently endorsed the HACCP inspection models project. We
11 as an organization believe that this methodology represents
12 a substantial improvement which offers both industry a
13 greater opportunity to proceed and also improves the system
14 of inspection oversight.

15 Basically what we're talking about is a labor
16 intensive system that keeps the inspection force from fully
17 utilizing their capabilities to oversee what's going on in a
18 plant, and bottom line is we really believe that this is the
19 way to go.

20 Now, you may think, you know, this isn't
21 significant. A year ago I can tell you if I had come up and

1 made the same announcement, and these are veterinarians in
2 the plant where the new system is. A year ago if I had come
3 forward I'd have been looking for a job the next day. Many
4 veterinarians throughout FSIS did not endorse this. They
5 basically feared it. They saw it as a system that
6 threatened food safety. They saw it as a system that just
7 wasn't going to work.

8 Last week, and this is anecdotal information.
9 Anecdotal means I have no intention of scientifically
10 defending it. Last week, I was in front of a group -- Bill
11 James was there, and he can attest to this -- of Alabama and
12 Mississippi veterinarians. This was not a group that you
13 would consider friendly a year ago to the HIMP project.

14 During the past two years, NAFV has criticized and
15 offered suggestions and been very much a part of trying to
16 get the system up and going and working well, and again I
17 want to repeat we now have an unequivocal endorsement of the
18 HIMP process. We tend to play an active role in continued
19 improvement, but we do endorse the project.

20 MR. BILLY: Okay. Thank you very much, Dr. Boyle.

21 The final person that has asked to speak is Stan

1 Emling. He's representing NAMP, and he's going to speak
2 both on the topic of pathogens and residues.

3 MR. EMLING: Thank you. NAMP stands for the North
4 American Meat Processors Association, for those who are not
5 familiar with that acronym.

6 I want to commend both the agency and the
7 committee for the forward thinking that they're showing in
8 their interest in the research projects and improving the
9 inspection system for the future.

10 I think this is one of the first meetings that
11 I've been at where I haven't heard the terms farm to table,
12 so I would like to just refresh you with that comment
13 because it's of very great importance to our members, who
14 are further down the line. They are the downstream
15 processors who take the materials that are raised on the
16 farms, go through the slaughterhouse and come down to us.

17 I think some of the research projects I've heard
18 about here are terrific, and I think the depth in them is
19 fantastic. I only hope that they come to fruition faster
20 than some of the things I started with when I came down here
21 in 1983 and which I'm just beginning to surface out of the

1 system.

2 There were references, you know, to the authority
3 or maybe I should say to the lack of it because some of the
4 things that are important to us as processors -- we're
5 living in the present tense, not the future, and we're still
6 being buffeted by H7 recalls and other kinds of pathogen
7 problems.

8 As I hear you talk more and more about residues,
9 not knowing where that's going to go, but if it ends up
10 affecting people who are downstream who have no control over
11 it getting into that animal that they may be handling, we're
12 going to have another serious problem because we have no
13 place to go, so I see this being compounded.

14 I guess what I'm asking you here today is just to
15 consider that maybe we need some authority. Maybe the
16 agency, and I know how difficult it is. We've got state
17 inspection tied up in the Congress, and it's going nowhere
18 because of the politics behind it.

19 I know that APHIS has animals and FSIS has food
20 safety. We can't seem to combine them, but maybe if we
21 could we could move forward faster, so I'm just asking you

1 to think about those things and to think about the fact that
2 not doing anything to help the downstream processor avoid
3 more problems with E.coli 0157:H7 and maybe what you're
4 going to do with residues and things, the concentration
5 issue that Dr. Woteki brought up.

6 Maybe it wasn't affected by going into HACCP, but
7 you're seeing it being affected by the combination of
8 businesses who can't afford the risk, don't have the
9 financial background to be able to withstand recalls, some
10 of which the last one I noted went back to July. I don't
11 think there's much out there, but whatever.

12 I think you need to take a look at that and help
13 the smaller processors who are not part of the original
14 system get back at the farm, find the answers, do some GMP
15 work back there, do whatever you can to help them, and if
16 you would just consider that we would greatly appreciate it.

17 Thank you.

18 MR. BILLY: Okay. Thank you very much, Stanley.

19 Okay. I'd like to refer you back to the agenda
20 and the evening subcommittee sessions. We have three
21 subcommittees that will be meeting from 7:00 until whenever.

1 I hope that the subcommittee that Rosemary is on finishes
2 earlier so she doesn't miss out on Trick-or-Treating.

3 MS. MUCKLOW: I've got my treat. I hope it's a
4 treat and not a trick.

5 MR. BILLY: I thank the committee in advance for
6 their hard work. I know you're tired now, but hopefully
7 with a little sustenance you'll rejuvenate and be able to
8 deal with these three important issue areas and provide us
9 some good input tomorrow morning for consideration by the
10 whole committee and then eventually by the Secretary.

11 Any other questions? Okay. In the agenda it
12 lists the meeting rooms. They're all here on the first
13 floor right around the corner.

14 Okay. Again, thank you all very much. See you in
15 the morning.

16 (Whereupon, at 4:43 p.m. the hearing in the
17 above-entitled matter was concluded.)

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