

PARTICIPANTS (Continued):

JUDY RIGGINS
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P R O C E E D I N G S

(8:35 a.m.)

1
2
3 MS. GLAVIN: Good morning. I know you all
4 worked into the evening last night, but it looks like
5 most of you made it back for the morning session. You
6 did in a few of your members, it looks like.

7 This morning's session is given over to reports
8 out by the subcommittees on their work of last evening.
9 There is no even way to break up three reports, so we're
10 going to do one report and have an early break, and then
11 have the second two reports prior to lunch. I've been
12 asked by some of the committee chairs to do a slight
13 switch in the order in which these come, and so I am
14 going to ask Dan LaFontaine to go first before the break;
15 then immediately after the break we'll leave Mike there
16 as is currently scheduled, and then Dale will finish up
17 in the third slot at about 11 o'clock. If that meets
18 with all the members' approval, then so be it.

19 Then this afternoon after lunch we will have a
20 briefing from the Micro Committee. This is something we
21 have made a bit of a tradition; we like to keep the two
22 committees in sync with one another in terms of what they
23 are working on, what their issues are; and this committee
24 has on a number of occasions referred things to the Micro
25 Committee. So Brenda Holbrook will be coming over this
26 afternoon to do that. Following that we have a briefing
27 from Noreen Hynes, who is an epidemiologist -- who is

1 still on our staff? Noreen is in the Public Health
2 Service and is about to get a new billet, so we're not
3 sure exactly when that's going to happen. Unfortunately
4 we will be losing her, but apparently not quite yet. And
5 Noreen is going to talk about how the agency has begun to
6 use epidemiology as a tool in our work, and bring that to
7 you. I know there is a short paper in your briefing book
8 on that.

9 Following that we have Don Smart from our Tech
10 Service Center in Omaha to talk about a new correlation
11 strategy that has begun this spring using the Tech
12 Service staff to go into a district at a time to
13 correlate our inspectors, and also to determine what kind
14 of assistance might be needed by plants in that
15 particular district. Following that -- that is all of
16 the stuff that we are trying to cram into people's heads
17 -- we will have a discussion of plans for the next
18 meeting and any remaining issues.

19 I know that one or two of you will be leaving
20 at the lunch break because of other commitments, so I
21 would ask if you are not going to be here until that
22 discussion on plans for the next meeting, if you have
23 some issues, that you get them to Charlie or to one of
24 your fellow committee members to get those on the table
25 as we have that discussion. And then as yesterday, we
26 will end with any public comments that people are
27 interested in making. I have to up-front apologize that

1 at lunchtime I have to go to a meeting. I would expect
2 to be back by no later than 2:30 and I apologize for
3 that. The problem with not being out of town is that you
4 can get called back, and that is what happened to me last
5 evening, and again at lunch time, but I will come back as
6 quickly as possible, and certainly be here for the
7 discussions of the next meeting. I may miss some or all
8 of the first two briefings, but I'll get back as soon as
9 I can.

10 In my absence Phil Derfler, who is the head of
11 our policy area -- he is our Deputy Administrator for
12 Policy -- will be chairing. Tom Billy may join us this
13 morning. He was due in last night from Rome, I think is
14 where he was. Paris? The OIE meeting was going on. He
15 was due in last night. I have not spoken to him so I'm
16 not sure that he actually got in, but if he did he was
17 hoping to come over this morning. He was particularly
18 interested in the subcommittee briefings, so he was
19 hoping to get here for that. So he may join us if we are
20 lucky.

21 So with that, I would like to ask Dan to make
22 the report -- if you are the reporter for your committee
23 -- to make the report out on the committee that
24 considered federal, state, and local government
25 relations.

26 MR. LAFONTAINE: Thank you, Maggie. Dan
27 Lafontaine, South Carolina. I was asked to chair this

1 particular subcommittee and the subject was -- the issue
2 we covered was federal, state, and local government
3 relations.

4 First of all, before I get into the substance
5 of the report, thanks to the other committee members.
6 Four out of our five who were designated for this
7 committee were able to attend -- I think we had a good,
8 open, healthy discussion, which is noteworthy and
9 encouraging. And also to the FSIS staff, both the folks
10 that interfaced with us, Ralph Stafco, Bill Lees, Dan
11 Pottillo, and of course the staff behind the scenes that
12 helped do the recording and produce this report.

13 The way we approached this, we set aside a
14 period of time to do some brainstorming to look at
15 thoughts or ideas that may not have been brought to the
16 table previously as far as this area of federal, state,
17 and local government relations. And then after
18 approximately a half hour, we said, what do we feel of
19 all of this array should be the agency's priorities,
20 realizing that you can't be everything to everyone. So
21 using that mandate, you might say, we put various items
22 on the board, and then took a vote among the four
23 subcommittee members, and ranked them or prioritized
24 them. So the report that you have in front of you, which
25 shows 1 through 6, is prioritized based upon the
26 committee's vote.

1 With that I'll progress through the report, and
2 if any of the subcommittee members need to embellish on
3 their particular area of interest, why we'll provide them
4 an opportunity to do that, and then, of course, the full
5 committee can comment or question any of us on the items.

6 First of all, our lead-in paragraph, "the
7 committee commends FSIS for its continuing efforts in
8 assuring that meat and poultry food safety procedures are
9 being implemented farm to table; and to assist FSIS in
10 directing the federal, state, and local government
11 relations area we recommend the following priorities be
12 established."

13 Number 1 is to continue a strong, proactive
14 FSIS state meat and poultry inspection cooperative
15 agreements for the small and very small plants. And of
16 course, when requested by states that are currently
17 called designated states, to support efforts on the part
18 of those states to establish additional cooperative
19 agreements. And I use the recent examples of Minnesota,
20 Missouri and, I believe, North Dakota. So that was our
21 number one priority. It kind of fits in a category of
22 continue to do well the things that you are already doing
23 well.

24 The next item I kind of categorized as
25 communication. Throughout the whole subcommittee
26 discussion, the communication issue kept coming up and
27 up, over and over in different venues, both in

1 brainstorming and when we got into prioritizing. So this
2 paragraph that I'm about to read here is a summary of our
3 thoughts. And as I already said, it kind of popped up to
4 what we think should be the number two priority. In
5 cooperation with the FDA, USDA, we feel, should produce
6 and maintain a document that describes what agencies
7 perform what functions in the area of food regulations
8 and education. And this document should be as detailed
9 as possible, actually listing names and contact
10 information of personnel involved all the way down to the
11 local level, where applicable.

12 To add a sentence or two on to that, what kept
13 coming up is there are folks in all of the states, and of
14 course, the federal government's presence out at the
15 state and local level, but it is very difficult to find
16 those folks so that people can get in contact with the
17 right organization and get answers or get help. So the
18 committee feels that someone needs to take the lead and
19 do the hard work to get a comprehensive list. It came up
20 that there are those types of lists that various
21 organizations have worked on, but someone we feel at the
22 federal level, that is FSIS, needs to take the lead of
23 course in coordination or cooperation with the FDA.

24 Still on communications; to continue with and
25 expand the current public food safety outreach
26 initiatives, that came across strong in numerous
27 peoples' comments. And this next sentence is kind of a

1 potpourri but, you know, these efforts should evaluate
2 the various methods of disseminating this information,
3 use wherever possible the most effective, the web,
4 publications, other organizations such as AFTO and IFT.
5 Physicians, as you -- a good example that was brought out
6 yesterday with the AMA -- schools, food safety task
7 force, extension offices, public contact. So we realize
8 that that is a very broad-brush comment, but the point is
9 use all the communication methods you can to continue
10 your food safety outreach initiatives. So that one kind
11 of has two parts to it, one is a nitty-gritty
12 recommendation on a type of information to make
13 available, and the other is a more general comment.

14 The third item, I kind of categorized as meat
15 and poultry processing food safety training. This
16 particular recommendation ties in with what already is
17 being worked on by the federal, state, and local
18 relations staff; and that is provide some updated meat
19 and poultry food safety processing training for state and
20 local food regulatory agencies. And we are aware of the
21 previous satellite training that FDA and FSIS and AFTO
22 did, and I personally viewed a lot of those and I thought
23 they were quite good. So take that maybe as your basis,
24 and refresh it, and go at it again in coordination with
25 AFTO. And once again explore multiple ways to deliver
26 the content: face-to-face, trainee-to-trainer seminars,
27 distance learning through modules delivered by satellite

1 and/or the web, and of course partner with related
2 agencies to include the FDA, cooperative extension, state
3 agriculture and health departments, as well as
4 representatives of key consumer organizations. So, once
5 again, reach out as you are and try to provide that food
6 safety expertise that is inherent within FSIS in the
7 particular area of meat and poultry, and provide
8 assistance to the folks that don't do that on a routine
9 basis -- that is, the meat and poultry food safety.

10 This fourth one is to do with the HRI retail
11 exemption. And this first sentence is rather blunt:
12 Remove the HRI retail exemption.

13 MS. GLAVIN: Can you explain what you mean by
14 that? It's a little unclear.

15 MR. LAFONTAINE: To delete it, to discontinue
16 it. I need to say for you, and also for Mr. Derfler, I
17 did not bring this up.

18 (Laughter.)

19 That is the honest-to-goodness truth. They
20 both know this is one of my favorite topics -- but I
21 certainly support it. But before I go on, we also
22 realized that this particular exemption is codified in
23 the law, the basic exemption, not the dollar value, so it
24 is not an easy fix even if you attempt it, but the
25 subcommittee did feel strongly about it.

26 Let me elaborate: In discussing gaps that exist
27 in the meat and poultry products entering commerce, it is

1 of concern to the subcommittee that many retail
2 establishments sell inspection exemption meat products to
3 food service establishments. This exemption was first
4 developed -- the one that was developed played a role in
5 many outlying communities but has long since lost its
6 usefulness. Federal, state inspection, HACCP systems,
7 and SSOP programs should be in place for all
8 establishments that are selling meat and poultry products
9 to hotel restaurants and institutions. That is the
10 acronym HRI -- that is what that means. Lack of
11 inspection for processing, distribution, especially
12 returned goods at these locations is a gap in the
13 inspection system that should be closed.

14 Number five, state-level task force: Encourage
15 and continue to support the development and continuation
16 of food safety task force at the state level. These
17 should involve federal, state, and local agencies, and
18 include consumer representatives. Encourage these groups
19 to develop agendas that meet the needs in each state.
20 Networking and sharing experiences and resources are
21 typical activities. For those who aren't familiar, I
22 should mention that this is an initiative nationwide that
23 is actually in place in many states. And to a certain
24 extent, FDA monies are available to support this for
25 those states that want to apply for the grant. So this
26 is not a new thing, but speaking from personal
27 experience, in my state it has turned out to be an

1 excellent support or idea in improving food safety within
2 our state and local system. But the full committee --
3 also the State of Oregon was present at our subcommittee,
4 and he likewise spoke highly of that state-level task
5 force effort.

6 And then finally, number six, continue with the
7 current efforts to standardize laboratory food safety
8 testing procedures, methodologies, management of the
9 database of those results, and the reporting of those
10 results or the sharing of those results at the federal,
11 state, and local level.

12 So those were the six items we chose to put on
13 the table and to prioritize. First, are there any
14 comments from any of the other subcommittee members to
15 embellish on our report?

16 MS. LEECH: Irene Leech from Virginia. I'd
17 just like to add one thing. As we were discussing the
18 communication, we need to remember that all consumers
19 don't have access to the high-tech things at this point.
20 So just doing something on the web doesn't solve all the
21 problems of communicating with the public. So, yes, we
22 need to use those things and so forth, but we also need
23 to remain cognizant that there are some folks that are
24 going to need some other methodologies. Plus, we need to
25 do things in multiple ways; people got to hear it more
26 than once to do it.

27 MS. GLAVIN: Thank you.

1 MR. LAFONTAINE: Dr. Jan, you had a question?

2 MR. JAN: This is Lee Jan. I didn't have
3 necessarily a question, but I did notice something in
4 communication that I think is a good idea. Of course I
5 know FSIS didn't have anything to do with it, but I think
6 it brings awareness up. And the other night when I got
7 in to the hotel and turned on the TV and there was a
8 program on, and it happened to be when somebody sent
9 somebody out for an egg-salad sandwich and they went all
10 over town and three hours later brought it back and they
11 got sick. So these little subtle messages like that are
12 good. And if there is any way that we could encourage
13 that type of media where people aren't looking for a
14 health message but get it, I think that is a good idea
15 and I think I said that before.

16 But I also wanted to agree or put in another
17 vote for removing the HRI retail exemption and would
18 recommend considering at least looking at or modifying
19 the retail exemption all across the board, because the
20 retail exemption I think once was put in was the idea
21 that the consumer can go into a store and make a
22 determination on the sanitation. But we've gone beyond
23 that with HACCP. And the consumer can't go into a retail
24 store and determine whether or not kill-step temperatures
25 were reached, cool-down temperatures were appropriate, or
26 any of these things that HACCP is designed to control.
27 And I made a perfect example, or brought one out that

1 happened in Texas, where HACCP -- a plant could not
2 validate the safety of their product through the HACCP
3 process and chose to stop producing it under inspection
4 but continued to sell it retail. Well, those kinds of
5 things -- a customer that comes in to buy it at a retail
6 store has no way to make a decision on their own.

7 I know these exemptions are written in law, but
8 those laws, I don't think, were etched in stone, so I
9 know they can be changed. But it is difficult because we
10 saw how difficult when we tried to get Senate Bill 1988
11 passed and that didn't happen. I think that one was
12 etched in stone, but other ones are not. So I just
13 wanted to give a kind of other vote on looking at
14 exemptions and removing some of those that can't be
15 controlled with the current standard for safety.

16 MR. HOLMES: Marty Holmes, North American Meat
17 Processors Association. I was also reminded this morning
18 by Stan Emerling that the Research Triangle Institute
19 report also found that as a gap in the inspection system
20 too, if I recall from their report.

21 MS. GLAVIN: Other discussions on this
22 subcommittee's report? Other comments or questions about
23 where they are going? Okay, then what I would like to do
24 is go to the second presentation. Contrary to my earlier
25 statements, we were so expeditious on the first one, and
26 asked Mike Mamminga to report on the industry petition

1 for proposed changes to the HACCP final rule, and agency
2 current thinking on that petition.

3 MR. MAMMINGA: Well, we were really given quite
4 a long and broad subject. In our handouts, we actually
5 had three documents. And that is the issue paper that we
6 received regarding this that was presented to us
7 yesterday morning; we also had the FSIS current-thinking
8 document, and then we have the petition itself. And with
9 the time allotted last night we could have spent it all
10 cross-referring those three documents, et cetera. So we
11 went through and picked out from our discussions
12 yesterday, or from the discussions that we heard, three
13 issues, if you will, from this petition, and the agency
14 response, and we tried to give them some fairly careful
15 thinking and discussion. And we were given three
16 questions by FSIS to respond to or to provide information
17 about.

18 And the first question was, what is the
19 committee's reaction to the agency's thinking? And after
20 going through our discussions and the comments that
21 followed, we thought that we basically agreed with the
22 agency's thinking. And then I would like to go to A, and
23 this is going from the documents. We talked a lot about
24 prerequisite programs, that prerequisite programs are
25 essential in forming a HACCP plan. And that industry, if
26 they are going to have a plan that will stand on a good
27 base and go through all its points, you have to have

1 prerequisite programs; and that the agency and those of
2 us who work with the agency and do this line of work
3 should have recognized this when the regulation was
4 created. And perhaps we even thought that some of the
5 criticism that has been leveled by OIT, for example, at
6 the agency on prerequisite programs and other things, may
7 have been with the thought that the agency should
8 recognize prerequisite programs.

9 In order to make the prerequisite programs work
10 with the agency thinking, obviously the prerequisite
11 programs are going to have to be defined. What do you
12 mean by prerequisite programs if they are going to work
13 into this system of HACCP as we as regulators look at it?
14 We felt that prerequisite programs should enhance
15 critical control points, and that the prerequisite
16 programs, as the agency indicated, should be in a
17 separate section of the regulations because those of us
18 who regulate know that we have to have some legal
19 authority to demand to see records, and to look at them,
20 and that sort of thing.

21 We agreed that the prerequisite programs should
22 be voluntary. If there are plants who do not have
23 prerequisite programs or do not want to share them, do
24 not want to make them a part of their overall HACCP plan
25 as they present it to the government, well, then I guess,
26 they shouldn't have to. But if they are willing to do
27 what we agreed with the agency, that they are going to

1 have to provide proper documentation, something that will
2 document the activity in those prerequisite programs. We
3 drew upon an example of when you talk about how
4 prerequisite programs might work in a HACCP plan to
5 enhance a CCP. We drew from the Food Processors
6 Institute book called *HACCP: A Systematic Approach to*
7 *Food Safety*, which for many of us who have been involved
8 in HACCP training is kind of the cornerstone of that
9 training for industry in how they are supposed to develop
10 a HACCP plan.

11 An example of a prerequisite program might be
12 as illustrated here. It says: "For example, many
13 establishments have preventive maintenance procedures for
14 processing equipment to avoid unexpected equipment
15 failure and the loss of production. That would be an
16 SOP. During the development of a HACCP plan, the HACCP
17 team may decide that certain maintenance procedures,
18 along with the calibration of the oven's temperature,
19 should be included in the plan as verification
20 activities. This would further ensure that all food in
21 the oven is cooked to the minimum internal temperature
22 that is necessary for food safety and which would be a
23 critical control point for thermal processing."

24 So by having an SOP that documents this
25 maintenance as including and going on to the calibration
26 of thermometers and the critical control point and the
27 critical limit, and the monitoring of the same, this all

1 works together to provide a better picture of food safety
2 than without that SOP for equipment maintenance. So that
3 was our thinking along that line.

4 We looked at the issue of "may" versus
5 "reasonably likely" in the petition. And if I may for a
6 second read from the petition, it says: "The rule's
7 definition of food safety hazard is inconsistent with the
8 definition of hazard provided by the Micro Committee.
9 Currently the rule defines a food safety hazard as any
10 biological chemical or physical property that may cause
11 food to be unsafe for human consumption. The Micro
12 Committee, however, developed a tighter, more appropriate
13 definition of hazard in its 1997 report. Specifically,
14 the Micro Committee defines a hazard as "a biological,
15 chemical, or physical agent that is reasonably likely to
16 cause illness or injury in the absence of its control."
17 They went on to say that this definition will facilitate
18 development of HACCP plans that focus on food safety,
19 while encouraging firms to utilize prerequisite programs.

20 The agency resisted or did not agree with that
21 thinking. We thought about it from the attitude of what
22 does "may" say versus what does "reasonably likely" say.
23 I'll tell you personally, I'm not good at this, but the
24 committee did a very good job of discussing it out. And
25 the consensus was that as indicated under B, there is a
26 difference that "may" denotes a more sensitive standard.
27 The agency looked at it from another perspective. We

1 looked at it from the perspective that "may" denotes a
2 more sensitive standard than "reasonably likely."

3 You can use those two words or phrases in
4 different sentences, but there was a concern that it is
5 still possible to lose consumer confidence, the public's
6 confidence in HACCP, with the criticism that has been
7 leveled at it, and that if there was an inference that
8 "reasonably likely" was easier than "may," that that
9 would erode that confidence. Certainly from industry's
10 viewpoint, training is needed for us in the government on
11 what is meant in the proper interpretation of "may."
12 From a regulator standpoint I commented that if there is
13 an art to what we do as regulators, it is to exercise
14 good judgment and have a consistent definition that we
15 all agree upon, if possible, for the use of these kinds
16 of terms.

17 The third thing that we talked about had to
18 with the industry petition on when things are shipped or
19 when they entered commerce as far as at what point is the
20 company done with it; and when can the regulators make a
21 determination, if the product has, in fact, met its
22 critical control points, is it ready to be shipped? Is
23 it ready to be sold? Pat Stofa mentioned yesterday
24 during our briefing the word "produced." We took that
25 word "produced" and, as indicated under C, we feel that
26 "produced" is the proper term. Produced comes after
27 preshipment review, and I think that is absolutely,

1 positively critical that we all understand that the
2 product is not produced by the company until after
3 preshipment review.

4 Because if that is the definition and if that
5 is the case, then the following part of that sentence is
6 undoubtedly my fault; it kind of came out as a jumble as
7 we were completing this. But if in fact "produced"
8 occurs after preshipment review, then there should be no
9 problem for a company that has limited refrigerated
10 storage space and had taken, perhaps, their own company
11 listeria test, to move that product to cold storage while
12 they are awaiting the results from the test and thus
13 awaiting the completion of their preshipment review. But
14 there should be no question that that is a perfectly
15 normal function.

16 I don't know if I've explained that properly.
17 We can discuss it some more, but "produced" following
18 preshipment review allows, we felt, the flexibility
19 necessary for companies to move their products and hold
20 them pending completion of tests or completion of their
21 preshipment review, when the product then would be up for
22 our scrutiny as having met its critical control points
23 and really being out there in a not mix-branded or a not-
24 adulterated state. But "produced" was a key word and
25 it's a very excellent word that was put out to us
26 yesterday.

1 There was some confusion. I think this may be
2 something that occurs throughout industry and their
3 relationship with government on that point. Can we take
4 this truckload of frankfurters that we have not completed
5 our own testing on, can we move them ten miles down the
6 road into a cold storage house while we await testing?
7 And the use of the word "shipped" puts a limitation on
8 that. It sounds like it has gone away. Maintaining that
9 plant control or company control through preshipment
10 review, and then the product is produced.

11 Those are the three issues that we spent our
12 time deliberating in the time that we had available.
13 There may be other issues -- we recognize that -- in this
14 petition and in the agency's response that may be burning
15 for other people, but this is what we had the time to do.
16 We concluded the second question, are there additional
17 factors or concerns that should be considered by the
18 agency in developing its response to the petition.
19 Obviously, we offered none. We really didn't have a lot
20 of time to consider that, but nothing came to mind as we
21 finished our deliberations.

22 On the third question, are there additional
23 areas of concern about which the agency should develop
24 guidance and instructional material to continue the
25 success of HACCP implementation? Obviously, improved
26 training. In fact, I think we came up with training,
27 training, training. It's like how do you get to Carnegie

1 Hall? Practice, practice, practice. And the guideposts
2 for our success is to properly train -- when we want to
3 talk about "may" versus "reasonably," when we want to
4 talk about "produced" versus "shipped" -- our people,
5 those of us who do this have got to know exactly what we
6 mean.

7 FSIS and my program should try not to judge too
8 narrowly. That is a common pitfall for us in government.
9 We tend to get tunnel vision and it gets narrower and
10 narrower as we try not to make mistakes. On the other
11 hand, we should have checks and balances in place to
12 offset that. And training, training, training helps
13 that.

14 Last, and this was a very important issue that
15 we discussed and it came down to a single sentence, "to
16 encourage the development and adoption of technology,"
17 especially to eliminate subjective judgments. But those
18 new technologies should be searched out and widely
19 distributed, if we can. And I'd sure offer the
20 subcommittee time to fill in the blanks with what I have
21 missed.

22 MS. GLAVIN: Okay. In the absence of anything
23 more from the subcommittee, Marty.

24 MR. HOLMES: Marty Holmes, North American Meat
25 Processors Association. Maybe it's semantics or maybe
26 I'm a little bit confused here. In the interpretation of
27 "may" versus "reasonably likely," you're using the word

1 "may" as denoting a more sensitive standard, whereas in
2 my mind, I'm thinking that "may" is a broader -- so help
3 me understand that a little bit.

4 MR. MAMMINGA: Marty, I'll be honest with you.
5 It's a little hard for me to understand. But I had to
6 listen and kind of draw upon the feelings from -- you
7 know, "we" listened -- it wasn't me, we all listened to
8 each
9 other, but there was a feeling that if you say, this food
10 "may" be contaminated with something, well a "may" the
11 committee felt, some more strongly than others, felt that
12 "may" denoted something -- it is broad, but by being
13 broad it gives you more latitude to say, yes, it may be
14 there, versus "reasonably likely," which -- well --

15 MR. HOLMES: I see "may" as being, hey, it
16 could be anything, and "reasonably likely" as being fewer
17 things, and so the term "sensitive" makes me think fewer.
18 So my concern is, number one, to make sure I understand
19 what the subcommittee is saying, but more importantly or
20 just as importantly, is that FSIS and those who were not
21 in the subcommittee and are going to be looking at these
22 papers understand what's being said here. If we're not
23 clear -- if you and I are having trouble interpreting
24 what's actually being said and we were actually here --

25 MR. MAMMINGA: Understood. Let me offer my
26 best shot at it. If this doesn't help, you're going to
27 have to get somebody smarter than me, Marty. But the way

1 I look at it is, if you pick up a handful of raw ground
2 beef and stick it in your mouth and eat it, you may get
3 E. coli 0157:H7. If you want to look at the statistics
4 and roll the dice, could you say it's "reasonably likely"
5 to -- well, it might not be reasonably likely depending
6 on the time of year, the place you're in, where you got
7 the ground beef, where it came from. It may not be
8 reasonably likely to get that. But you may get it. And
9 so "may" gives you the empowerment, then, to address it,
10 even if it might not be statistically "reasonably
11 likely." That's the best I can do.

12 MR. HOLMES: Would it be more clear if this
13 said that "may" denotes a broader standard?

14 MS. STOLFA: The subcommittee used the term
15 "higher" until it was replaced by "sensitive."

16 MR. NEAL: John Neal, Arkansas. Marty, the
17 point in contention -- we're in agreement with this, you
18 and I. At the same time I saw FSIS's side of it. I
19 didn't totally agree with it. We came to a point of
20 contention. His example is very good, but I know our
21 position on it would have been that "may" can entail
22 anything. A meteor "may" come down. The roof "may" cave
23 in. "Reasonably likely" is more conducive in the long
24 run to -- we came to a consensus, and I understand their
25 point, but at the same time "reasonably likely" is more
26 definite.

1 The consensus of the agency, what we took --
2 and correct me if I'm wrong, Mike -- is that they felt
3 that it would be contradictory to their original
4 statement on
5 this -- and let me finish here and I'll let you respond -
6 -that it wouldn't work well in their system to say
7 "reasonably likely." The point was brought up that if
8 someone saw this, "reasonably likely" would be a scary
9 term. I personally don't think that the public sees
10 "reasonably likely." They don't look at your hazard
11 analysis very much. Pat may disagree or agree; we talked
12 about it last night. I'd lean a little bit more toward
13 "reasonably likely," but "may" is the agency's stand on
14 it and they're not very begrudging on it.

15 MR. HOLMES: I appreciate that. I certainly
16 would be in favor of "reasonably likely," too, but that's
17 not really even my issue this morning, debating between
18 "may" or "reasonably likely." It's just, "may," if I'm
19 not here, or even if I am here, "may" denotes -- when you
20 say higher standard -- I guess "may" is a more
21 encompassing -- anything. When it's more encompassing,
22 it's -- when I think of "sensitive," I think of more
23 narrow. And "more encompassing" is broad. Maybe it's
24 just semantics here, but if I'm not in this meeting and
25 having this discussion -- I understand where you're going
26 in terms of saying, sensitive means that it's sensitive
27 in that it's going to catch more things. But when I

1 think of sensitive, I'm wanting to get rid of the excess
2 and get down to what's actually there. So "less
3 sensitive" would be --

4 MR. NEAL: Right, and it's hard when you're
5 making a hazard analysis to use the term "may." That was
6 our point last night.

7 MR. HOLMES: I understand what is actually
8 being said, but I don't -- at least in my mind,
9 semantically, this is not saying -- and I'm not debating
10 the "may" or "reasonably likely" issue, I'm just saying if
11 we're going to define "may," it's not -- it is not more
12 sensitive, it is less sensitive. It is actually broader
13 and encompassing more things, not less things.

14 MR. MAMMINGA: I agree with you, Marty, and I
15 think that's exactly what was being said.

16 MR. HOLMES: If we're going to put this
17 document out, I think it needs to be elaborated on.
18 That's my opinion and I'll shut up now.

19 MS. STOLFA: Carol was the principal
20 spokesperson on that issue and she is not here this
21 morning. And if you want to revise the report, you might
22 want Carol's input on it.

23 MS. WACHSMUTH: "Sensitive" would be more
24 appropriate in the statistical sense. It's the
25 difference between specificity and sensitivity, and in
26 that case, this would be more sensitive versus what
27 you're saying -- more specific.

1 MR. HOLMES: Not being a microbiologist, I will
2 yield.

3 MS. GLAVIN: Dan, and then Alice, and then
4 Sandra.

5 MR. LAFONTAINE: Dan Lafontaine, South
6 Carolina. I want to throw a dissenting vote -- or a
7 dissenting view, I should say. Notwithstanding FSIS's
8 position, I disagree with the continued use of "may" for
9 determining food safety hazards. Let me tell you why I
10 say that. I have had the pleasure, you might say, of
11 teaching approximately 15 HACCP courses now,
12 International HACCP Alliance accredited courses, along
13 with some of my colleagues. And when you get into hazard
14 analysis, the thing that happens every time is they get
15 off on the deep end and start making everything a food
16 safety hazard.

17 They don't even know about the word "may"
18 versus "reasonably likely." They just start looking at
19 everything that can possibly happen and end up with a lot
20 of, at that point, control points, not necessarily
21 critical control points. The only way that you can get
22 them out of the quagmire is to go back to the Micro
23 Committee's definition and say, now, you need to take
24 your plant and your system and all your variables and
25 look at what is reasonably likely to occur in your
26 situation. Sharpen your pencil and narrow it down to
27 those big-ticket items, those food safety hazards that

1 you absolutely have to identify and bring under control
2 on a continuous, no-excuses basis.

3 My point in that whole little scenario is that
4 as long as you continue to buy into the "may" and make it
5 across the board that anything that could possibly be a
6 food safety hazard be included, you are missing the point
7 of the true intent of HACCP, of identifying those things
8 that are reasonably likely to occur, and to concentrate
9 on those and make them fail-safe.

10 I wanted to throw in my personal opinion. It
11 may or may not change any minds, but that's the
12 experience I have.

13 MS. GLAVIN: Okay. Alice.

14 MS. JOHNSON: Alice Johnson, National Food
15 Processors. I guess it's no surprise that I agree with
16 Marty and Dr. Lafontaine. But I'm not sure that we are
17 going to be able to resolve the differences with "may"
18 and "reasonably likely to occur" in this committee. I
19 know that the agency has several initiatives that are in
20 place right now looking at HACCP implementation and some
21 of the concerns with HACCP implementation through, I
22 think, the district correlations that are going out. I
23 wonder if it would be appropriate for the committee,
24 instead of focusing on the definition, to make the
25 recommendation that the agency consider this and look at
26 some of the difficulties when they're doing their
27 district reviews -- if there was a problem with this, if

1 there was a misinterpretation -- and try to come up with
2 some understanding and include that in part of the
3 discussion when they go to look at some of the petition
4 issues.

5 Also, I know that some other agencies, FDA, has
6 implemented HACCP and is on the verge of implementing
7 HACCP in the juice rule. And they've changed the
8 definition in that area, and I think Pat told us
9 yesterday that the agency did intend to look at what FDA
10 was doing and see some of the issues there too, to
11 benchmark that.

12 So I would like to ask the full committee if we
13 would maybe want to make a recommendation that the agency
14 look at this "may" and "reasonably likely to occur"
15 through their reviews and through the experiences of
16 other agencies and determine if it's truly an
17 interpretation problem, which obviously it is since we're
18 all having this whole
19 discussion -- and approach this in that way.

20 MS. GLAVIN: I've got Sandra next, and then
21 John. And I would ask the committee members to respond
22 to Alice's suggestion, since she is asking for, as I
23 understand it, a change in what the committee report --
24 or maybe an addition to the committee report. Was it an
25 addition or a change?

26 MS. JOHNSON: Either way you want to look at
27 it. They have nothing under 2), but I think the

1 committee did a good job to get through this issue. I
2 know this was a tough issue to discuss in two hours
3 because I think the industry and the agency have been
4 discussing it for about ten years, now. It may go in as
5 addition to number 2, or however the committee feels
6 appropriate.

7 MS. GLAVIN: Okay, so I would like some
8 responses to that. Sandra?

9 MS. ESKIN: I have two questions, one for the
10 subcommittee and one for FSIS. Again, on this issue of
11 "may" versus "reasonably likely," did the subcommittee
12 come down in terms of one or the other, as far as a
13 recommendation goes? Because at the very top of the
14 paper it says that you basically agree with the agency's
15 thinking. And if I remember correctly in the issue
16 paper, the agency said at this point they are not
17 planning on changing any of the definitions -- unless I'm
18 mischaracterizing it. Was there consensus on which way
19 you all were leaning?

20 MR. MAMMINGA: I think as a subcommittee we
21 ended up agreeing with the rule as written, where it says
22 "may cause." Now, considering that we've had the same
23 discussions here as we had last night, you know, if you
24 notice under B, where we say there is a difference and
25 "may" denotes -- I almost -- you know, to say
26 "sensitive," I knew that would be a keyword last night
27 when we put it in there. But the second thing is the

1 training needed to properly interpret "may." And I would
2 offer to you that in my opinion, that "may" or
3 "reasonably likely" are both going to fall -- or any
4 other words that you could come up with to describe what
5 you are trying to accomplish -- all would be subject to
6 some person somewhere deciding, it is or it isn't.

7 MS. ESKIN: No, that always happens, obviously.
8 That's just -- language.

9 MR. MAMMINGA: And I am sensitive to Dr.
10 Lafontaine and his comments because I agree that a hazard
11 analysis should be done by a company based on their
12 specific company and their specific processes. And one
13 size does not fit all in hazard analysis. I think again,
14 trying to speak for Carol Foreman, which is kind of
15 unique -- we've known each other a long, long time and
16 we're not always on the same side of issues, but it was
17 her feeling, representing the consumers, as Pat
18 indicated, that the broadness of "may" allows the
19 government to step in when a one-size-fits-all doesn't
20 work, perhaps.

21 MS. ESKIN: I understand. Again, I just want
22 to make sure I understand that as between the two,
23 obviously understanding all the issues of interpretation,
24 the subcommittee's recommendation at this point was to
25 support the agency's thinking at this point, which is to
26 stay with "may."

1 MR. MAMMINGA: And that's where our first
2 comment that we basically agree -- basically, but with
3 all those discussions that we've had today.

4 MS. ESKIN: The question I have for the agency
5 is -- again in your presentation you mentioned the Micro
6 Committee's definition of "reasonably likely." In the
7 preamble to the HACCP rule, did the agency address this
8 issue in any specificity saying, here's our definition,
9 and here is how it relates to the micro standard, and
10 here's why we picked the language that we did?

11 MS. STOLFA: No, we didn't address that in the
12 preamble to the final.

13 MS. ESKIN: But you're likely to address it if,
14 again, you come out with a proposal?

15 MS. STOLFA: We will certainly address it in
16 any proposal that is subsequent to --

17 MR. DERFLER: I understand that the Micro
18 Committee's recommendation was made in 1997. The final
19 rule was done in 1996.

20 MS. STOLFA: Well, that's a good reason why you
21 didn't address it.

22 MR. NEAL: In response to Alice's statement
23 down here, I believe that that is a good recommendation.
24 I think that the FSIS should take a good hard look at
25 that terminology right there. To sum up what Dan said
26 earlier, we have been trained as plants and HACCP
27 coordinators to use the term "likely to occur." When I

1 walk through our facility I use "is this likely to occur"
2 when I first begin this. And I still do it. Is there
3 something here likely to occur -- you know, most likely
4 to occur? And that's the way we are related, that's the
5 way we're taught. And that's the way the plants were
6 developed. And when we get this far down the line, it is
7 hard to change our thinking to "may." We did basically
8 agree. As I said a moment ago, we agreed that "may" is a
9 nice, broad term, but in the same way the argument went
10 last night, those on the opposing side, several that were
11 on the "may" side -- we felt that it's the agency's
12 belief in having control, and it's hard after all these
13 years to lose that control. At the same time, we're
14 supposed to be self-monitoring, and that's what we're
15 doing. We're developing the HACCP. We don't get any
16 approval with the final HACCP from anybody, but we
17 approve it ourselves. We develop it. We sign it. And
18 it goes in form, and as long as FSIS is in tune with it,
19 they come along and check our records and everything is
20 fine.

21 But still we don't get any final approval from
22 the agency, and that's why "likely to occur" is more -- I
23 think it became an issue of, what does the public feel.
24 Well, the public has a right, they can look at my HACCP
25 plan anytime that they want, and I'll be happy to explain
26 it to them. They don't really come in and say, what does
27 that mean, "likely to occur" or it "may occur." That

1 really isn't sensitive, it's not out in the public every
2 day. So that was the answer to that. And I agree with
3 Alice that we should take a hard look.

4 MS. STOLFA: I'm sorry that Carol isn't here.
5 Carol's point was that public confidence in HACCP is
6 still a fragile situation. And a front-page headline on
7 the *Washington Post* that the administration rolls back or
8 loosens the HACCP standard was not actually something
9 that was in anybody's interest. And those were her exact
10 words. When she was talking about "may," she was
11 actually referring to the statutory basis of our
12 regulation, not to language in the regulation. As I say,
13 that was the point that Carol made last night --
14 eloquently, much better than I could do.

15 MR. NEAL: She made some good points. I mean,
16 I agree with her. I just didn't want to make you mad.

17 MS. GLAVIN: Dan? Are you finished? I didn't
18 mean to cut you off.

19 MR. LAFONTAINE: To switch gears slightly and
20 talk about training. The subcommittee -- you know, under
21 3, you've got: Improve training. And I wanted to give my
22 personal opinion and embellish on that.

23 The agency back in '96 or '97 chose for
24 whatever your reasons were, for your workforce, for the
25 supervisors and inspectors who were involved with HACCP,
26 to not provide a full technical HACCP course -- rather,
27 what I call the regulatory aspects of HACCP. I have

1 stated numerous times before, and I want to state it
2 again, I think that was a huge mistake, and a continuing
3 mistake.

4 Let me digress for a moment. In South
5 Carolina, we periodically teach a HACCP course and we
6 invite our FSIS colleagues to attend. We've got a
7 wonderful working relationship with the Raleigh district.
8 Over the last year we've had approximately 10 circuit
9 supervisors and three compliance officers go through our
10 three-day course. And I'm not trying to grandstand, but
11 the comment is simply, we needed this two or three years
12 ago. We needed the full, technical explanation of how
13 our HACCP plants should be developed and implemented, and
14 with that we feel that we can do our job better as
15 regulators.

16 I realize that you have done some of this
17 subsequently, with some of your senior staff. But at
18 least for those decision makers, circuit supervisors and
19 inspectors in charge, I seriously think you're missing
20 the boat if you don't figure out a way to get them up to
21 par with the industry on what the technical aspects of
22 HACCP preparation and implementation are.

23 I'll leave it at that, thank you.

24 MR. HOLMES: Marty Holmes, North American Meat
25 Processors. Although my initial discussion started on
26 the term "sensitive" being in here, I do want to kind of
27 reiterate what Dan Lafontaine said. Although I was not

1 in the subcommittee, and I appreciate the work you did, I
2 do respectfully disagree. Of course, realize too that I
3 am a signer of the petition. So I certainly think that
4 "reasonably likely" makes more sense than "may" and would
5 be better not only from a training standpoint -- and I
6 respect Pat's statement that there's the agency, and the
7 inspection force would have some difficulty in getting
8 that term understood and so forth.

9 That being said, I think that I certainly agree
10 with Alice's point of view that maybe under number 2 we
11 need to add a sentence that says to the effect that the
12 agency should take a look as they do these district
13 correlations and see what kinds of problems that has
14 represented for the agency and the industry.

15 I am curious, though, and I appreciate Irene's
16 comment here to me on a side note that possibly, could we
17 add a sentence or maybe even a term here that may denote
18 a more statistically sensitive standard?

19 MS. WACHSMUTH: I was giving you a statistical
20 definition of sensitivity versus specificity, just to
21 help.

22 MR. HOLMES: I'm just curious if we can add
23 some elaboration. I will hush and wait to see what
24 happens.

25 MS. GLAVIN: Alice I have next. And there was
26 someone else over there.

1 MS. JOHNSON: Alice Johnson, National Food
2 Processors. I just want to respond to the comment that
3 in the subcommittee discussions there was concern that if
4 the agency made any changes that it would appear that
5 there was a lack of confidence in HACCP. And nobody
6 knows public perception, I mean, it's a difficult thing
7 to predict, but I would like to put on the record that I
8 don't know that you could say that changing the standard
9 as asked in the petition would erode public confidence,
10 when actually what you're doing is updating based on the
11 1997 -- as Phil said, the rule had not been written in --
12 the 1997 Advisory Committee report. So I don't know that
13 if you can reference a group of experts like that, that
14 that should be considered an erosion of public confidence
15 or maybe just an upgrading based on the latest thinking.

16 MR. MAMMINGA: While we've been talking about
17 these concerns, these very valid concerns, Alice has been
18 working on some language. We were whispering back and
19 forth, so just to throw something on the table to perhaps
20 address Marty's concerns and the rest of us with these
21 sorts language challenges, under 2, where we have offered
22 nothing in our original report, how about making a
23 statement that the agency should address the request in
24 the petition regarding hazard definitions after reviewing
25 implementation issues identified in district
26 correlations, and experiences of others agencies in

1 implementing HACCP, such as FDA. Can we fix that, Marty?
2 Does that sound okay?

3 MS. ESKIN: I would only suggest -- Carol is
4 not here for health reasons. She will be here later, and
5 I think maybe that language should be -- she should be
6 included in that discussion in fairness, if any change is
7 made in the subcommittee's report. I mean, she will be
8 here, I think, soon.

9 MR. MAMMINGA: Oh, sure.

10 MS. GLAVIN: Here's my suggestion. We can,
11 since you've done the drafting -- my plan was to ask you
12 to do a draft proposal, we can get that -- tell me if I'm
13 lying -- we can get copies made of that redraft, we can
14 take a break and come back, have everybody have it in
15 front of them. We're talking about a very precise kind
16 of language here, so I think it would be important for
17 everyone to have it in front of them and go from there.
18 Is that acceptable to the committee?

19 Alice has one more point.

20 MS. JOHNSON: Maggie, I notice that there is --
21 I don't know what happened to that committee last night,
22 but I notice that there is another committee member, or
23 subcommittee member, who's not here, either. So that's
24 probably not very fair. So maybe we wait till everybody
25 is --

26 MS. GLAVIN: What did that committee do -- what
27 did you do to that --

1 MS. JOHNSON: Whatever they ate --

2 (Laughter.)

3 MS. GLAVIN: The tough ones are here. I can
4 see the weak have fallen by the wayside.

5 Irene?

6 MS. LEECH: The other thing that we probably
7 have still got out there is that I think there's a lot of
8 disagreement about the sensitive word. And if there is
9 something that we can do to address what that really
10 means. Once you discuss it, I think we understand, but I
11 think there is probably a perception problem that if we
12 leave that unaddressed, there will be problems down the
13 road.

14 MS. GLAVIN: Okay, well, I have a reproposal
15 then, that Mike get that language to the staff here and
16 they get it out and that you also during the break
17 consider the question of "sensitive" and the potential
18 need to clarify that. And we'll bring that all back to
19 the full committee after the break. If we are still
20 missing three of the subcommittee members at that point,
21 I would ask Dale, if you would be willing to go ahead
22 with your report and bring this up at the very end of the
23 discussion, before lunch.

24 Is that acceptable? If anybody knows where our
25 missing committee members are, you can try and rouse them
26 back to the meeting. Thanks.

1 Let's have a break for -- my watch says about
2 10 of 10, so can we be back at 10:20?

3 (Whereupon a break was taken until 10:22 a.m.)

4 MS. GLAVIN: Okay, I'd like to get us back
5 together. We had the suggestion on the table that we
6 wait for some of the missing subcommittee members to
7 arrive before continuing this discussion, and I see that
8 two of the three have, and I understand that Charles may
9 not be joining us at all, that he is unwell. I'm not
10 going to wait any longer for Charles, if that meets with
11 the subcommittee's agreement.

12 Is that acceptable to the subcommittee? The
13 proposal is that we have two of the three missing members
14 and that -- I am hearing that Charles is not well and so
15 I'm proposing that we don't wait any longer for Charles,
16 if that's okay with the chair?

17 MR. MAMMINGA: It is with me. Thank you for
18 raising the question.

19 MS. GLAVIN: Oh, wait. So we have, I
20 understand, we have a redraft -- do people have copies?
21 Have we gotten copies out?

22 All right. Can I ask you, Mike, to walk us
23 through what changes have been made and see if we have
24 any further discussion, or whether people are ready to go
25 with the subcommittee's work.

26 MR. MAMMINGA: Thank you. If you'd please look
27 at your draft number 2, and looking under B,

1 "Interpretation of `may'" versus `reasonably likely,'" we
2 have offered to rewrite that "there is a difference" and
3 that "training is needed to properly interpret `may.'"
4 Under number 2, under C, "Are there additional factors or
5 concerns that should be considered by the agency in
6 developing its response to the petition," we have some
7 draft language that the agency should address the request
8 in the petition regarding hazard definition after
9 reviewing implementation issues identified in district
10 correlations, and experiences of other agencies
11 implementing HACCP, such as FDA.

12 Now, I will tell you that two of our committee
13 members arrived during our break and have read these
14 changes and would like to offer to the committee their
15 opinions and proposals for perhaps different language on
16 those. So if it would be all right, I -- Carol or Elsa,
17 either one of you -- they both have opinions, maybe we
18 could let them offer them now.

19 MS. FOREMAN: I'll start. On B, we think it
20 would be better -- since you have dropped the first line
21 about the definition of "may" and since the agency has
22 said it in its working paper, we don't think it's
23 necessary to repeat it here. Dropping that line is okay.
24 But if you drop that line, you really should drop the
25 line in addition: "There is a difference and training is
26 needed to properly interpret `may.'" "May" and
27 "reasonably likely" are legal definitions, and if we're

1 not going to have some discussion about that, then it may
2 be misleading to have this line in here about training.
3 We haven't said anything about the difference, but we've
4 left the line with the difference --

5 MS. GLAVIN: So your proposal is to drop it
6 completely?

7 MS. FOREMAN: My proposal would be -- if you
8 see our first line up there, we basically -- it ends with
9 "we basically agree," and B would read: "with the
10 agency's interpretation of 'may' versus 'reasonably
11 likely.'" And then we wouldn't say anything else about
12 it.

13 MR. HOLMES: Marty Holmes, North American Meat
14 Processors. Carol, I understand what you're saying.
15 However, from the discussion earlier this morning, I
16 think that basically, at least my understanding of the
17 discussion this morning, the subcommittee did not
18 necessarily basically agree with the entire agency's
19 thinking on the industry's petition. And that was why
20 there was even the B issue at all. If you basically
21 agree in its entirety, then you wouldn't even have a B
22 statement at all. So with that being said, there are
23 enough differences on "may" versus "reasonably likely"
24 that -- maybe just say there is a difference, period.
25 Regarding the interpretation of "may" versus "reasonably
26 likely," there is a difference.

1 MS. FOREMAN: Look. Let me go back because you
2 weren't in the subcommittee. Our general number 1 is --
3 the question was, what is the committee's reaction to the
4 agency's thinking? Then there were separate parts under
5 that in the agency's paper. One was about prerequisite
6 programs, another one was about the interpretation of
7 "may," a third was about "produced" versus -- about
8 "enters commerce."

9 We agreed in each case with the agency's
10 thinking. So under number 1, it says: "We basically agree
11 with the fact that FSIS needs to define prerequisites
12 with the agency's interpretation of "may" and with their
13 decision to go with "produced" versus "entered commerce."

14 I will strongly argue that we need to stick
15 with the interpretation of "may" versus "reasonably
16 likely." It was, I think, a strong feeling in the
17 subcommittee, and if you want to have more discussion of
18 it here, I'm glad to have more discussion of it here. It
19 basically says that in this instance the agency will take
20 a standard that is more protective rather than a standard
21 that is less protective. That's the standard that the
22 agency is following now, and that's why the industry
23 petitioned to change it. I don't think that the industry
24 or the administration or this committee wants to be on
25 record and publicly identified as saying it is okay for
26 USDA to take a less protective standard for meat and
27 poultry than it has right now.

1 Now, if you want to do that, we can have a vote
2 and I'll just vote against it.

3 MR. HOLMES: I'm all for having a vote.
4 However, I don't know that I agree, Carol. I wish I had
5 been in the subcommittee because I would have liked to
6 have had my two cents there, but I think these
7 recommendations are not necessarily from the
8 subcommittee, they have to be from the committee as a
9 whole. My feeling is that you actually watered down
10 HACCP by saying we're going to look at all these things
11 that "may" occur. If we looked at all that is
12 "reasonably likely," we'd focus our energies, our efforts
13 and our resources towards the things that are really,
14 truly food safety concerns.

15 I think the agency, even if there was any
16 public concern over what you're saying, is lessening
17 HACCP in your opinion. If you look at the National
18 Advisory Committee, you look at what FDA -- the juice
19 rule, and defend it from the standpoint that we are
20 actually going to spend our time and effort on legitimate
21 food safety concerns, as opposed to anything in the world
22 that might occur, I don't know that I would have trouble
23 being able to defend that.

24 MS. FOREMAN: I understand, but you are also
25 talking about, and the petition advocates, changing a
26 legal standard. And the legal standard now is the more
27 protective one that is possible under the law. The law

1 says that you can act against a problem if there is an
2 added substance, if it *may* be injurious to health or, in
3 the case of a naturally occurring substance, if it is
4 ordinarily going to cause harm to health.

5 The agency chose, in making the HACCP standard,
6 to write the standard on the more stringent one in the
7 law, on the more protective one in the law: "may." If we
8 recommend changing this or if the agency backs off as the
9 industry has petitioned, you are not talking about those
10 things that have nothing to do with food safety in the
11 plant; you're talking about saying that you will not have
12 the agency have the power to take action against
13 salmonella unless it can prove that the salmonella level
14 will cause illness ordinarily in every person or in most
15 of the people who come into contact with it.

16 I don't think the committee wants to be in the
17 position of saying that USDA should have a lower
18 standard. FDA does have a lower standard in this regard.
19 They chose not to take the most protective standard. I
20 think they're wrong. I think GAO indicates that when GAO
21 now points out that FDA-regulated products are
22 responsible for 80 percent of the foodborne illness.
23 Part of the reason that USDA's products are now causing
24 less illness is because we have a better, more rigorous
25 system.

26 The Advisory Committee on Criteria is a
27 scientific committee, it is not a legal committee. I

1 think when it used that language, it did not intend to be
2 establishing a legal guideline. This committee is a
3 policy committee, not a scientific committee, and if we
4 use that it will be taken as the legal standard. And It
5 will be less rigorous. And finally, on the FDA thing, of
6 course, I don't get any FDA products that say, inspected
7 and approved, United States Government, or inspected for
8 safety, United States Government. I think that does
9 require a higher standard.

10 MS. GLAVIN: Okay. I have Sandra and then
11 Alice.

12 Sandra?

13 MS. ESKIN: Sandra Eskin. I just wanted to
14 respond to your point, Marty, about this morning's
15 discussion because I do know that in two instances I
16 asked directly what the subcommittee's basic consensus
17 was on "may" versus "reasonably likely." And twice I
18 heard, I think, the response that, between the two, the
19 consensus right now is "may."

20 MS. GLAVIN: Okay. Alice?

21 MS. JOHNSON: Alice Johnson, National Food
22 Processors. I just want to be sure that it's understood
23 that the industry petition was to try to make the HACCP
24 rule more consistent with the 1997 advisory committee.
25 And I know there is a disagreement with some of the
26 committee's recommendations, but the industry supports

1 that and does not feel like it's a loosening up of any
2 type of standards.

3 I don't think that we are going to be able to
4 reach some sort of resolution on this thing. I know as
5 full committee that I cannot support saying we basically
6 agree with the interpretation of "may" versus "reasonably
7 likely." I heard Phil say this morning that the reason
8 why there was no discussion of this in the original HACCP
9 rule was because the 1997 paper wasn't finalized and the
10 rule was written in 1996. So I understand why there was
11 no consideration by the agency.

12 Carol, instead of saying we basically -- you
13 want to say we basically agree with the interpretation of
14 "may" versus "reasonably likely"? Is that correct?

15 MS. FOREMAN: That was the subcommittee's
16 position.

17 MS. JOHNSON: But you don't think that
18 underneath, "there is a difference, and training is
19 needed to properly interpret `may'" is appropriate?

20 MS. FOREMAN: No, because "may" and "reasonably
21 likely" are, in this instance, legal policy terms. I
22 think that they require a standard and that we have a
23 standard. It's the salmonella standard, it's the E. coli
24 requirements.

25 I think that the training, if it followed some
26 further interpretation of that first line, Alice, would
27 be okay. But by knocking that line out, the training

1 kind of hangs out there without much to hang it on. But
2 I know what you want, I think. I think you want
3 inspectors not to be looking at the quality of the gravel
4 in the parking lot. Hey, don't laugh, I had a plant
5 close down over that when I was at USDA.

6 So I understand and I'm sympathetic. You want
7 people to be looking for the food safety, and if we
8 change this to, you know, we need training in the
9 interpretation of HACCP as a food safety program, that
10 would be okay with me. But I don't know what the
11 sentence means when it's just hanging out there.

12 MS. GLAVIN: I have Collette, and I took that
13 pause as you were finished. Was that correct?

14 MS. FOREMAN: I was just thirsty.

15 MS. GLAVIN: Collette and then Elsa.

16 MS. KASTER: Collette Kaster. Carol kind of
17 went there at the end of her comments, and I appreciate
18 that. But I would just like to say as somebody who
19 doesn't live in Washington and isn't a lawyer and has to
20 do this stuff with inspectors at different plants every
21 day, that the interpretation of these legal terms --
22 which I agree that they are, and I also concede that it's
23 possible that the Micro Committee may not have considered
24 the legality of the difference between these terms -- but
25 these interpretations are so broad, and we have to use
26 them when we come up with hazard analysis, that we really

1 need some kind of training or help out in the field to
2 make sure that these are applied uniformly and fairly.

3 MS. GLAVIN: Okay. Elsa?

4 MS. MURANO: Elsa Murano, Texas A & M. I have
5 a couple of comments to make that might help us a little
6 bit. If you use "reasonably likely," there is a lot of
7 interpretation that is needed to know what is reasonably
8 likely. And there is a concern from the subcommittee
9 that that would require something that inspectors are not
10 prepared to do and would require a tremendous amount of
11 education and training. Not only that but, besides the
12 idea that the word "may" is legal, I think we are missing
13 or misinterpreting "may" by thinking "might." And I'm
14 not an English scholar, but "might" means possible; "may"
15 means reasonably possible.

16 I think if we don't equate "might" with "may"
17 and we just know that "may" is a reasonable possibility -
18 - and I think that's what the legal definition probably
19 means. Not that an asteroid is going to fall on this
20 building, that *might* happen. But to say that it *may*
21 happen, I think common sense tells us that there is a
22 certain amount of unreasonableness to that. So I'd just
23 like to offer that from the subcommittee's point of view.
24 We feel that to change to "reasonably likely" even though
25 that is scientifically desirable -- to leave it as "may"
26 is not going to hinder plants from developing good HACCP

1 plans, because that is exactly what they've been doing up
2 to now.

3 And then secondly, perhaps what we should do in
4 terms of addressing, Marty, your issue here as far as
5 format, number 1 saying "What is the committee's reaction
6 to the agency's thinking." We basically agree and then
7 we have all the parts. Perhaps what we should say under
8 B is, we should say that the committee feels that "may"
9 is the proper term and we should have a statement that
10 says exactly that. Just like in C, we say exactly that:
11 We feel that "produced" is the proper term.

12 And the last comment I had -- because I know
13 that once I stop, I'll never get that mike again --

14 (Laughter.)

15 -- point number 2, based on what I just said,
16 then, what we'd like to do is have the language of point
17 number 2, then, say that the agency should review
18 implementation issues identified by their inspectors,
19 because I think there's a lot of value in what the
20 inspectors have to say. I know that when I do some
21 teaching out at the FSIS training center in College
22 Station on different kinds of micro issues and topics,
23 the inspectors are a wealth of information in terms of
24 their life experiences doing what they do best. And I
25 don't know, maybe this is naive, because maybe you all
26 already get input from them regarding that. But if not,
27 this would be a good place for us to encourage the agency

1 to seek and review issues that are identified by their
2 inspectors regarding anything at all having to do with
3 the implementation of HACCP and the rule in general.

4 Thank you.

5 MS. GLAVIN: I have Michael and then John.

6 MR. GOVRO: Michael Govro, Oregon Department of
7 Agriculture. I just need a little clarification on the
8 purpose of this committee and what we are attempting to
9 accomplish here. It seems like we're into an area where
10 it's unlikely that the different interest groups
11 represented here are likely to reach an agreement. It's
12 reasonably not likely to.

13 (Laughter.)

14 And I'm wondering if it's incumbent on this committee to
15 actually come up with a single recommendation or if we
16 can just agree to disagree on this issue.

17 MS. GLAVIN: I'd like to make sure that
18 everyone has had an opportunity to put their opinions on
19 the table, but I am moving towards suggesting that we
20 simply for 1-B indicate that the committee did not arrive
21 at a consensus on this issue. That's absolutely
22 acceptable. And that's certainly what I'm hearing, that
23 there is not a consensus on this issue from the
24 committee. But before going there -- I guess John was
25 the next hand, and if there's anyone else. And then I'll
26 just ask whether you agree with that -- and Marty.

1 MR. NEAL: This is in conjunction, John Neal,
2 this is in conjunction with what Elsa said, she put it
3 very well. At the same time she speaks of a review and
4 that review has been done. Inspectors have come through
5 small plants, large plants, and they have already
6 reviewed the records; they've done it several times. I
7 am not sure how many times, Marty, in the plants in the
8 area you serve, but they have reviewed this. I'll go
9 back to what I said earlier, is that we still need a part
10 of this as training for the simple reasons we are trained
11 to look at something like it is likely to occur. We have
12 a conflict between the HACCP training that we went to, we
13 spent good money to train our personnel, and it was very
14 informative, and we feel it is working, we are all
15 comfortable with it now, and we feel stronger in our
16 companies.

17 I feel stronger about our business, too, about
18 sanitation. Even though we were clean before I think we
19 are better now at it, and I think industry general
20 consensus is that they are, too. I think it comes down
21 to what I said earlier. It is a matter of control. If
22 you have a good plant, we are doing a good job. We are
23 getting used to HACCP; in fact, we are comfortable with
24 it. We are doing a good job. "Reasonably likely" is the
25 way we are trained. It may say "may," but that is not
26 the way we were trained. We've got conflicting sides
27 there. We're being taught HACCP, the inspectors are

1 being taught HACCP, and it says "reasonably likely" to
2 occur.

3 MS. FOREMAN: I keep thinking that we might get
4 closer together on this if we could differentiate between
5 a legal standard and what clearly is some problem that is
6 occurring on the ground in the plants.

7 Would Marty or somebody, John, give me an
8 example of a case wherein an inspector you think acted
9 too broadly as a result of the word "may" and this has
10 been the operative word of course ever since HACCP
11 started. Can you give me an example of why you think on
12 the ground it should be different?

13 MR. HOLMES: I guess I would just lend that
14 many times when an inspector looks at a hazard analysis,
15 they may ask of things, what about this -- and I can't
16 give you a specific example of an item -- but why did you
17 not consider this, this, and this in your hazard analysis
18 because they may occur. They may have nothing to do with
19 food safety. Or they may say, well, that is covered in a
20 prerequisite program or something along those lines. So
21 "reasonably likely" is more conducive to HACCP and true
22 food safety hazards. Now I'm not a microbiologist here.
23 Certainly anybody else who could think of suggestions to
24 --

25 MS. FOREMAN: I think the problem is that the
26 industry has asked the agency to go to a standard that
27 legally is less protective of public health. And I think

1 that we could probably agree about the problems on the
2 ground, and that we probably can't agree if the goal of
3 this, or the effect -- and I'm sure it would be the
4 effect -- is to back off to a less protective standard
5 when it comes to public health because you don't want to
6 do that, and we sure don't.

7 MR. HOLMES: And I certainly concur with you.
8 We're not interested in producing food that is unsafe.
9 That is not the objective here at all. But my point that
10 I wanted to make, and I thought you were going to say --
11 the reason I yielded to you first is I thought you were
12 going to tell me that the consensus of the subcommittee
13 was to adopt "may."

14 So my point is that I wanted to look back at
15 the agency's thinking paper. I want to call your
16 attention to page 7. It says, "for these reasons the
17 agency cannot respond positively to these parts of the
18 petition at this time." By saying we basically agree in
19 sentence number one, we are basically agreeing that the
20 agency doesn't have the ability to respond positively at
21 this time, meaning that they could possibly be in favor
22 of some of them at a future date. And so, as long as we
23 understand, at least from my point of view, by saying we
24 basically agree, we are saying that we basically agree
25 that the agency is not in a position at this time to
26 support that part of the industry's petition.

27 MS. FOREMAN: I'll buy that.

1 MS. GLAVIN: Lee?

2 MR. JAN: Lee Jan. I just wanted to give an
3 example to Carol or anyone else that has that concern
4 about where an inspector may have acted too broadly. And
5 example could be a grinding operation where they say that
6 the grinder may rub against the side of the grinder and
7 produce metal physical hazards, but that's not reasonably
8 likely to happen if the equipment is properly maintained.
9 Or another instance may be where oils from bearings would
10 drip into the product, and again that may happen, but it
11 is not reasonably likely to happen if the equipment is
12 properly maintained.

13 I think that could then move us back to the
14 prerequisites. If you have prerequisites and can lean on
15 the prerequisites, then I would be more comfortable in
16 going with the "may." We did consider it, but rather
17 than having a critical control point, because if you
18 identify a hazard that may occur, then you must control
19 that hazard, and without prerequisites then we must put
20 it in as a critical control point that needs to be
21 monitored. So if we can go to the prerequisite and get
22 that ability to control some of these hazards that may
23 occur, but are not reasonably likely to occur, then I
24 think the "may" term wouldn't be quite so difficult to
25 deal with.

26 MS. FOREMAN: Maggie, could I? Lee, that is
27 really a very helpful comment. And of course we did

1 consider it within exactly that context, having just
2 finished discussing the prerequisite, and agreeing with
3 the agency there, but saying that they need to define
4 prerequisite programs more tightly.

5 MS. GLAVIN: Marty has put on the table a
6 suggestion that B, and I am a little bit putting words in
7 your mouth, Marty, so I know you will feel free to jump
8 in -- that B read that we basically agree that the agency
9 cannot respond positively to this part of this petition
10 at this time.

11 MS. FOREMAN: If we can get an agreement that,
12 I'd certainly go with it.

13 MS. GLAVIN: Okay, so the committee is not
14 opining on whether "may" or "reasonably likely" is the
15 appropriate standard, but agreeing that the agency is not
16 in a position to respond positively at this time to that
17 particular issue. Is that acceptable?

18 MS. JOHNSON: Maggie, are you saying that --
19 and I think Dr. Moran had mentioned it too, the
20 recommendation that the agency should come back at some
21 point --

22 MS. GLAVIN: Okay, we haven't gotten to that
23 one yet. Do we need to get to that before we can close
24 this one?

25 MS. JOHNSON: I hate to make a recommendation
26 that we don't ever revisit this based on the information
27 you learn through some of your district correlations.

1 There may be a need to go back and look at this. Carol,
2 does that work? If we just take out FDA? I hate to say
3 that we won't readdress this because there may be some
4 issues that come up that we can identify during the
5 correlations.

6 MS. GLAVIN: Okay, so what I'd like to do is
7 keep Marty's suggestion on the table, which is that the
8 committee basically agrees that the agency cannot respond
9 positively to this part of the petition at this time for
10 B. With that on the table, can we move to the second
11 change that Mike outlined? The one that Alice is talking
12 about under number two? Are there comments on that?

13 MS. FOREMAN: I consulted with Elsa, and our
14 original suggestion was re-writing that re-write to say
15 the agency should address implementation issues
16 identified by their inspectors. How about saying
17 implementation issues identified by the industry and
18 inspectors?

19 MS. JOHNSON: Don, maybe you can address some
20 of this: In the district correlations, -- Alice, I'm
21 sorry -- do they not talk to and work with the inspector
22 and look at the industry documentation so that that is
23 both part of the correlations that you are working with?

24 MS. GLAVIN: For committee members who don't
25 know, this is Don Smart from our Tech Services Center.

1 MR. SMART: That is exactly correct, and that
2 is something I will be going over this afternoon. It
3 gives us a good vehicle to cover these types of issues.

4 MS. GLAVIN: So the proposal is that the
5 industry should address information --

6 MS. FOREMAN: Implementation issues --

7 MS. GLAVIN: -- implementation issues
8 identified by the agency --

9 MS. FOREMAN: No, by the industry and the
10 inspectors.

11 MS. GLAVIN: Inspectors or agency? By the
12 agency and by industry. Now, with that, do we have
13 agreement with the earlier suggestion on B from Marty?
14 Do you all know what we've got? Now, this is important
15 because we get back and we don't know what we've agreed
16 on.

17 Let me try this, and what I'm going to ask is
18 for the staff to put this into a typed form and we will
19 re-circulate it just so everyone goes home with a piece
20 that says the same thing. I believe what has come out is
21 that B would now read, "the committee basically agrees" -
22 - and I'm going to page 7 of the agency paper -- "that
23 the agency cannot respond positively to this part of the
24 petition at this time." Got that? I don't see anybody
25 flagging, so I think we're on a roll here.

26 And number two would now read, replacing the
27 current number two, "the agency should address

1 implementation issues identified by the agency and by
2 industry." I had changed "their inspectors" to "agency"
3 because of the work the Tech Center is doing. Is that
4 acceptable?

5 MS. FOREMAN: Just for the record, I believe
6 that Elsa was trying to go to this beyond the ground
7 issues that have been focused on both from the industry
8 side and from her experience in training. Although I
9 understand, the record at least ought to show -- or the
10 agency, including those on the ground -- some language.
11 It would be okay with me if the record simply indicates
12 that that was what we were talking about.

13 MS. GLAVIN: Okay, let me try again and make
14 sure that we've got it. "The agency should address
15 implementation issues identified by the agency including
16 inspectors, and by the industry." If you'll bear with
17 me, I just want to make sure that we've got this because
18 it is important to have the wording the way you want it.
19 Okay. Thank you --

20 MS. FOREMAN: Maggie?

21 MS. GLAVIN: Yes?

22 MS. FOREMAN: I just wanted to thank the
23 committee for holding off to have this discussion after
24 the break. I appreciate very much your accommodating my
25 need to go for physical therapy this morning. Thank you.

26 MS. GLAVIN: Mike, have we addressed number
27 three?

1 MR. MAMMINGA: We have read it, and we have not
2 had any discussion, that I recall, about that point. So
3 we might ask if there is some.

4 MS. GLAVIN: Number three, are we comfortable
5 with that?

6 MR. NEAL: One of the main key points of this
7 right here, and it goes along with everything we've just
8 done -- this will only take a moment -- the FSIS should
9 not try to judge too narrowly. And it goes along with
10 the statement you just made about the agency review and
11 everything and what the tendency is. And if the book
12 says go one way, especially with different inspectors,
13 their determinations are a little bit different
14 sometimes, they have a tendency to judge very narrowly.

15 When they take a look and do their reviews,
16 they need to go with the fact that it is written up as
17 "may," but they also need to go "reasonably likely."
18 They can use that. It can stay as "may" at this point.
19 It is going to. But they could use "reasonably likely"
20 in their thinking when they make a review, so they won't
21 stay real narrow on their visions of what we're doing
22 here.

23 MS. GLAVIN: Are you suggesting a change to the
24 wording here?

25 MR. NEAL: No, leave what's there in there.
26 But that needs to be -- but basically that should apply
27 to the whole policy.

1 MS. GLAVIN: Okay.

2 MS. FOREMAN: I would like to, if I may, say
3 one word about that last line there, if we are to the
4 last line.

5 MS. GLAVIN: Sure.

6 MS. FOREMAN: And this is something that just
7 comes back to me every time I sit through one of these
8 meetings or have any interaction with the program. So
9 much of what is contentious here is contentious because
10 the judgments aren't necessarily subjective because we
11 don't have adequate technology for the inspectors to make
12 objective judgments. So, once again, I make my plea to
13 the agency, and I assure you I have made it everywhere
14 else I can; we've got to have those objective
15 measurements, the chemical tests, the whole range of
16 mechanical tests that can be applied to say it doesn't
17 make any difference which inspector applies this test, it
18 either passes or it fails. And then we could stop having
19 these meetings. Thank you.

20 MS. GLAVIN: I think we are ready to move to
21 Dale's report? Is that right? Good job. Subcommittee
22 number two. Okay, three? Thank you.

23 MR. MORSE: A revised copy is being passed out.
24 While that is being done, first, on behalf of the
25 committee I want to express our thanks to Sandra Eskin,
26 who worked overtime last night to sort of type together

1 some of our comments. And that is what is being passed
2 out now.

3 Our group was standing committee number one and
4 the issue was emerging egg and egg products strategy. I
5 think at first we thought it was a mission impossible. I
6 say that because we were somewhat asked to comment on
7 implementation of a proposed rule that we haven't seen
8 yet. So it was difficult to make recommendations on how
9 it should be implemented when we weren't sure what it was
10 going to say.

11 The second point is that we also were aware
12 that FDA is simultaneously proposing its own rule, and
13 that because of the complicated nature of both FDA and
14 USDA agencies' oversight of various levels of egg
15 production, from breeding chickens which are under USDA
16 to egg laying on a farm, which is under FDA, back to
17 processing plants that are under USDA, and then
18 transportation under FDA, wholesale under both, retail
19 under FDA, and restaurants and institutions, FDA quite
20 often implemented by state and local health departments.

21 We felt that it was difficult that both rules
22 needed to be considered simultaneously, in terms of their
23 implementation. So with those caveats, in discussing
24 point number one, which was what comments or suggestions
25 does the committee have based on its members' experience
26 with HACCP on the implementation of the proposed FSIS egg
27 food safety plan. I think the consensus was that we

1 could really comment on the development of the proposal.
2 It is difficult to talk about the implementation until we
3 saw it. So it is as FSIS develops and implements it,
4 what sort of things should they consider. And those are
5 the first six principles.

6 The first point was that the committee felt
7 that in implementing the proposed HACCP system for eggs
8 and egg products that it should take into consideration
9 the experience and lessons learned from the development
10 and implementation of other HACCP systems, such as, for
11 example, the meat and poultry products and FDA's juice
12 HACCP system. The concept was to learn what didn't work
13 and try to avoid some of those pitfalls as you go
14 forward.

15 The second point, and this may now be redundant
16 with point three which we added this morning to try and
17 clarify, but now in retrospect I think point two may be
18 covered by point one and three now that we clarified.
19 Point two was that FSIS should specifically request
20 comments in its egg HACCP proposal and issues identified
21 in the implementation of existing HACCP systems, which
22 now I thought was redundant with number one, because that
23 was looking at existing systems. So I think number two
24 the committee -- can we drop now that we've added number
25 three, which was probably a clarification of two?

26 I'm going to go to number three. In our
27 briefings last night we learned that some of the packers

1 have quality assurance systems, and that some of the egg
2 processors that handle eggs that might be going for
3 pasteurization, already have some existing HACCP systems
4 that they have developed themselves. Or they have some
5 kind of quality assurance, so point three was that FSIS
6 in developing its rule should request comments on the
7 effectiveness of existing programs utilized by egg
8 packers and processors in developing its egg HACCP
9 regulations. So I guess what I am saying is that the
10 committee can comment. So I think one and three cover
11 two, and two is now redundant.

12 Point four, the FSIS proposed that egg HACCP
13 regulations should follow HACCP principles outlined in
14 1997 by the National Advisory Committee on Microbiologic
15 Criteria for Food. I guess there was a discussion that
16 this should be science and risk based.

17 Point number five, FSIS should work with
18 industry to train industry members and regulators on both
19 the scientific and regulatory components of the egg HACCP
20 system. I think the feeling was that it would be better
21 to get input from industry upfront in terms of what would
22 work best and in terms of training its members.

23 And point number six, there was discussion
24 about whether the regulations should be phased in by size
25 of operation and we thought that that would probably be a
26 good idea, but there was discussion that there should be
27 no blanket exemptions. Blanket exemptions are discussed

1 in relation to some of the smaller flocks that which
2 might be sending their eggs for packing. The feeling was
3 that -- I guess there is an exemption now for flocks
4 smaller than 3,000, and the feeling was that there should
5 not be a blanket exemption upfront, that they could pose
6 some risk, so that exemption should not be used.

7 Do you want to add any comments or
8 clarification? Or shall I go through the next two?

9 MS. GLAVIN: Let's pause and see. Are
10 committee members clear with where we are going?

11 MR. MORSE: So the first thing I am suggesting
12 is that two if now redundant with one and three, so we
13 can remove that.

14 MS. GLAVIN: Sounds like people are following.

15 MR. MORSE: The second question we were asked
16 to address was what is the best way to achieve
17 interaction and communication with federal, state, and
18 local agencies involved in egg food safety. Part of this
19 initial discussion was about -- there was overall
20 discussion again for the point, the need to work closely
21 with FDA on its rule-making as well, so there is, as much
22 as possible, uniformity between rules that are being
23 developed by FDA and USDA. That said, the feeling was
24 that FSIS should take advantage of a number of existing
25 forms and approaches to communicate. A number of those
26 are listed. Townhall meetings' feeling that they should
27 carry information to where the egg establishments are,

1 and should use land grant universities' extension agents,
2 shell egg surveillance program information, trade
3 associations and shows. And that there should be a joint
4 training program for agency personnel and industry. That
5 would be valuable.

6 On the next page, I want to emphasize in this
7 regard, one -- this relates back to the need for
8 coordination between FSIS and FDA in the development and
9 implementation of their egg safety regulations. It is
10 important that they're viewed at the same time and
11 commented on to try to remove potential disparities
12 between two sets of regulations. Two, that it was
13 important to have effective communications between
14 headquarters and the field. Part of this is again so
15 that there is uniform interpretation of rules. Three,
16 uniform application of federal requirements by federal
17 personnel. Four, consistent implementation of
18 requirements from state to state. So these points were
19 added to try to reduce the amount of disparities between
20 different locations and agencies. Are there additions by
21 the committee?

22 MS. GLAVIN: Any discussion or questions by
23 committee member?

24 MS. MURANO: Elsa Murano, Texas A & M. I just
25 wanted to get clarification on point number five of your
26 first question. Can you explain a little bit more what
27 you guys had in mind in terms of the training that the

1 industry and regulators would engage in terms of FSIS
2 working with industry. What did you guys envision with
3 that?

4 MR. MORSE: I'll defer to someone else.

5 MS. JOHNSON: We talked in the subcommittee
6 about the joint training on the scientific issues, and
7 that there may be a need to look at regulatory training
8 separately; but that for on the basic science of it to
9 have industry and agency people trained together. That
10 is what we were recommending. We helped write that one
11 and it didn't come out quite right. We were talking
12 about the joint training on the scientific areas with
13 industry and agency people.

14 MS. MURANO: I guess I would like to suggest
15 maybe that you kind of change the phrasing to say exactly
16 what you just said now, Alice because I think that is
17 important.

18 MR. MORSE: Do we have the suggested
19 modification wording? Oh, we'll have that in a minute.

20 MS. GLAVIN: I'm waiting for her to stop
21 writing. Did you get the suggested wording down? Can
22 you repeat it?

23 MS. JOHNSON: I was trying to remember what I
24 said. FSIS should consider joint training on scientific
25 concept with industry and agency. Sandra? Collette?
26 Anybody got anything better for the wording on that one?

1 MS. ESKIN: I have the original language here,
2 is that going to help? This principle says, "educate and
3 train on science aspect as well as regulatory component,
4 joint training between industry and regulators when
5 possible."

6 MS. JOHNSON: Sandra was nice enough to take
7 this home and type it up for the group last night.

8 MS. GLAVIN: Sandra, could you make sure that
9 the staff gets that wording?

10 MS. KASTER: Maggie, I have a question. Under
11 number three we say uniform application of federal
12 requirements by federal personnel, and then we go on and
13 say consistent implementation of requirements from state
14 to state. Was that where we were getting at the fact
15 that some of this is going to be done contractually, and
16 especially the relationship between FSIS and FDA, and
17 that we wanted that to happen uniformly? It might just
18 be me, but I don't understand exactly what we are trying
19 to say by uniform application of federal requirements by
20 federal personnel.

21 MR. MORSE: The other committee members may
22 want to comment. My understanding was that number three
23 was addressing within the application of the rule within
24 the agency. So there would be uniformity in the central
25 office, and in the field in various regions. Number four
26 was addressing where other agencies might be involved.
27 So one was within the federal system and the second was

1 implementation where other agencies might be involved,
2 such as at the local level where states --

3 MS. GLAVIN: Let me ask Lee for his point, and
4 if you need to come back, we will.

5 MR. JAN: I just wanted to kind of say what I
6 remember in the discussions regarding this. We talked
7 about the federal program being contracted out to states,
8 which is the case in many instances at this time where
9 there is some type of program; and so we wanted to make
10 sure there was some kind of a review process or some way
11 to assure consistency that every state is applying or
12 implementing or enforcing the same regulations in a
13 similar manner. And from that came where FSIS inspectors
14 are doing that in different states, that that is also
15 consistent from state to state, even though it is carried
16 out by the same agency, because we know that there is
17 different area heads, and so we wanted to have
18 consistency there. That is where those two points are
19 kind of coming in.

20 MS. GLAVIN: Does that clarify it for the
21 committee? Hold just a second, I want to get back to
22 Collette and see if her --

23 MS. KASTER: I think Lee verbalized what we
24 were trying to say. And maybe it is me, but I just don't
25 read that in points three and four, so --

26 MS. GLAVIN: Well, maybe you can work on a
27 rewrite while we hear from Dan.

1 MR. LAFONTAINE: I have a question that relates
2 to this directly and I need to know the agency's
3 thinking. We are talking about a regulation here, not a
4 law, I realize that. My question is will this apply only
5 to interstate shipment of egg products and shell eggs?
6 Or will this also apply to producers who ship only
7 intrastate? Because that is real key in this whole issue
8 when you start talking about the very small, which the
9 committee has basically bought into that it has to apply
10 across the board. And if you haven't thought about it,
11 then you really need to dig into it, because it gets into
12 the whole implementation issue and how it actually
13 happens once you put it on the street.

14 MS. GLAVIN: Judy is saying that the FD&C Act
15 applies only to interstate and unfortunately without
16 looking at it, none of us can be absolutely sure whether
17 EPIA -- there we go -- Vicki, you need to come to a
18 microphone. Does EPIA apply only interstate?

19 MS. LEVINE: It applies intrastate as well as
20 interstate.

21 MS. GLAVIN: Okay, so--

22 MR. LAFONTAINE: So the Egg Products Inspection
23 Act applies intrastate as well as interstate.

24 MS. LEVINE: Yes.

25 MS. GLAVIN: You can go to the bank on what
26 Vicki says on that. Okay. Where are we on your
27 recommendation there, Dan?

1 MR. LAFONTAINE: I wasn't really making a
2 recommendation, it more of a query that as this whole
3 thing evolves that that is a very key point on how the
4 regulation is written. You know, we talk about contracts
5 with states, or combinations thereof, and how are you
6 going to put this work force together to effectively
7 implement it? If you've got, to start with, a big
8 loophole, if they only ship intrastate then you've
9 immediately got a tremendous confusion factor in the
10 industry and with regulators on who really falls under
11 this. So it was only an opportune time to clarify that.
12 That is the only reason I brought it up.

13 MS. GLAVIN: And clearly it is important that
14 the proposed rules in this area be exquisitely clear as
15 to what is covered because of the differences in the
16 laws. Lee and Collette, do you have a proposal on re-
17 writing that one section?

18 MR. JAN: We'll give it a try.

19 MS. GLAVIN: First, would you clarify for me
20 what we are re-writing?

21 MR. JAN: This is under question two on page 2,
22 and it's after the bullets. It talks about the
23 subcommittee also noted the importance of one, two,
24 three, and four. And we are going to re-write three and
25 four. Three will continue with "the uniform application
26 of federal requirements by federal personnel," and we
27 will add to that, "where FSIS provides the regulatory

1 oversight." And four, "consistent implementation
2 requirements from state to state through an established,
3 periodic review of the state programs."

4 MS. GLAVIN: Did all of the committee members
5 get that proposed change, and if so, is that the sense of
6 the committee, where you want to go?

7 A PARTICIPANT: Can you repeat number four,
8 please?

9 MR. JAN: "The consistent implementation of
10 requirements from state to state through an established,
11 periodic review of state programs."

12 MS. GLAVIN: John has a question.

13 MR. NEAL: I may be wrong on my number. How
14 many states are MPI certified, 23?

15 MS. GLAVIN: Meat and poultry?

16 MR. NEAL: Yes.

17 MS. GLAVIN: I think it is 27 at the moment.

18 MR. NEAL: Is it 28? I wasn't sure.

19 MS. GLAVIN: It has been going up the last few
20 years, but I'm sure Dan's right. Twenty-eight.

21 MR. JAN: Basically, they will come under these
22 federal standards, regardless, and they will have to --

23 MS. GLAVIN: Well, these are eggs, so that is
24 not necessarily the same as those that are under meat and
25 poultry or have meat and poultry programs. Judy, do you
26 know how many have egg programs?

1 MS. RIGGINS: Thirty-seven, I believe -- it's
2 about 37 states right now.

3 MS. GLAVIN: I'm going to repeat that since I
4 have your microphone. Judy says that 37 states have egg
5 programs.

6 MR. JAN: They just told me that it doesn't
7 come under this, anyway. I just figured it might fall
8 under it. Excuse me, just ignorance.

9 MS. RIGGINS: But these requirements would
10 cover all 50 states, though, because in those states that
11 don't have egg programs, we would then provide the
12 inspectors to do the verifications. So it would apply
13 across all 50 states.

14 MS. GLAVIN: Yes?

15 MS. ESKIN: If we're done with this point,
16 before we go on to the third point or conclude, I was
17 going to read the revised language, Elsa, that you had
18 requested on that bullet. On the first question, number
19 five, I went back to the original language and plugged it
20 in and here's what it sounds like. "FSIS should work
21 with industry to educate and train industry members and
22 regulators on the scientific aspects as well as the
23 regulatory components of the egg HACCP system. Joint
24 training of industry and regulators should be conducted
25 whenever possible." Is that all right?

26 MS. GLAVIN: Elsa?

1 MS. MURANO: I guess I'd like to encourage the
2 agency that it consider doing the training on the
3 scientific aspects like Alice was saying, jointly -- not
4 leave it as whenever possible because that is one of
5 those iffy words, just like "may" and all that and we
6 don't want to go there.

7 And I know from my experience in doing HACCP
8 training in other countries, for instance, in Argentina
9 is a good example, inspectors and industry people get
10 trained in workshops together -- and I cannot tell you
11 the value of that -- on the scientific aspects of HACCP.
12 So I would like to make it stronger than just "whenever
13 possible."

14 MS. ESKIN: It looks like the original language
15 was stronger. It's just again, I don't know the people -
16 - who worked on this particular principle.

17 MS. GLAVIN: Dan?

18 MR. LAFONTAINE: I want to strongly back up
19 what Elsa said. We did the same thing in South Carolina
20 with our part of the industry who regulate, and it has
21 paid tremendous benefits because you start off with a
22 common understanding. I would recommend making that the
23 plan and not saying just if possible. In other words,
24 eliminating if possible, and make that your action plan
25 to do it together and work out a way to do it.

26 MS. ESKIN: Simply take out "whenever
27 possible"?

1 MR. MORSE: That would make it consistent with
2 number two, page 1 of the last bullet, where we get the
3 joint training program for agency personnel and industry.

4 MS. GLAVIN: Do people want Sandra to read it
5 again as further modified, or are you okay with it? And
6 you will provide that to the staff? Great. Lee?

7 MR. JAN: I'd like to just make one comment
8 regarding that. I agree with both Dan and Elsa that
9 joint training is beneficial. We did that in Texas as
10 well. But I think we need to be careful that we don't
11 mandate that industry attend these trainings because if
12 you do, how are you going to get them to come. What are
13 you going to hold over their heads? We made it
14 available, but actually had a very small segment of the
15 industry actually attend. That was their choice. We
16 made it widely available. So if we make it mandatory you
17 may have trouble getting them in, unless that is the only
18 training available. But I certainly support that joint
19 training. I think that is very beneficial.

20 MS. GLAVIN: Are there comments or questions on
21 this subcommittee's report? One more section -- I'm
22 sorry. I'm apologize. I'm getting hungry.

23 (Laughter.)

24 MR. MORSE: The third question for the
25 committee was in which areas of the egg food safety plan
26 should FSIS concentrate its limited resources. And the
27 committee listed several different options. The first

1 point, in terms of priorities, "the FSIS should focus its
2 limited resources on developing the regulatory structure
3 for an egg HACCP system."

4 The second sentence -- I may ask the committee
5 for some modification, now reading it, it says that it
6 should then contract with state regulators who would
7 enforce the standards and other regulatory requirements
8 developed by FSIS. And from the previous discussion, it
9 looks like 28 states, I guess there are state systems,
10 but it may not always be the case. This maybe should be
11 modified somewhat. It doesn't sound like all the states
12 do this, right? So the first principle, the first
13 sentence, the general principle is that the focus should
14 be on regulatory structure, and then how that is carried
15 out in some states. I'll ask for some wording while I
16 continue to talk.

17 The second point was that some portion of
18 federal resources should be used to evaluate on a
19 periodic basis the effectiveness of state contractors'
20 enforcement activities. And the third was that some
21 portion of federal resources should also be used to
22 educate all stakeholders -- producers, packers,
23 processors, retailers, and consumers -- on its egg HACCP
24 system. Throughout the discussion by the committee some
25 general principles or emphasis, this was sort of like
26 apple pie so it wasn't put in, but felt that FSIS should
27 use sound science, public health importance, a risk-

1 based approach, uniform standards, and education and
2 training. But those just re-emphasize what is probably
3 already known.

4 Other committee comments? I guess I am asking
5 for some transition in the second sentence for the first
6 one. Or maybe there isn't a transition needed. Dan?

7 MR. LAFONTAINE: As far as your comments, Dale,
8 about only 28 states having MPI programs, I think every
9 state has regulatory structure for various items, rather
10 than it be only 28 currently have meat and poultry
11 inspection programs or a combination thereof. So I guess
12 my point is, the question is limited resources. And the
13 most effective way to use limited resources is a 50-50
14 funding or some type of a contracting out, so I don't
15 think the fact that there is only 28 that have MPI
16 programs is a limiting factor. It still may be that some
17 states cannot buy into it and FSIS has to assume the
18 whole mission. I guess I am saying that in that second
19 sentence it should then -- contract with state regulators
20 to the extent possible or put in some word that
21 encourages to go in that direction to the maximum extent
22 possible. And then realizing that it may not work out in
23 all 50 states.

24 MR. MORSE: So if we just add to the extent
25 possible.

26 MR. MAMMINGA: I heard a little apples and
27 oranges in that discussion because when we talk about the

1 MPI programs, that is not what we're talking about here.
2 We're talking about 37 states that have some sort of an
3 egg program now and they are not necessarily in the MPI
4 programs or even in the departments of agriculture or
5 departments of health.

6 We are talking about existing states that have
7 some sort of an egg surveillance program now. Isn't that
8 correct when we talk about state regulators?

9 MS. GLAVIN: What I am hearing is that the
10 subcommittee is recommending that in any state where a
11 state regulatory body is capable of carrying out this
12 program, the federal government should contract with that
13 body. I don't know that it necessarily has to be an
14 existing today body. A state could choose when this goes
15 into effect to set up a body, or to have another body
16 that is in existence take care of it. Is that the sense
17 of the subcommittee?

18 MR. JAN: I agree.

19 MR. MAMMINGA: I was hearing MPI programs and
20 that doesn't necessarily apply.

21 MS. GLAVIN: Yes, I see your confusion.

22 MR. MORSE: So it seems like the wording "to
23 the extent possible" would cover that unless --

24 MS. GLAVIN: Would that cover it? Okay. If
25 there is a state body willing and able to take this on,
26 USDA should contract with that state body. If there is
27 not, USDA would do -- okay, Lee?

1 MR. JAN: One thing that just came up real
2 briefly. I'd like to just pose a question to FSIS
3 whether it would be in those states that perhaps choose
4 not to take this project or hire staff to do this
5 project, would it be appropriate or even allowed for the
6 federal government to contract with an independent
7 contractor in that state to carry out the provisions of
8 the regulations? And there is precedent for that at
9 least at the local levels where a private firm provides
10 FDA-type inspections for restaurants and retail
11 establishments for cities. So I don't know if the
12 federal can contract that way or not.

13 MS. GLAVIN: We have not done so, I don't know
14 the answer as to whether legally we could choose to do
15 so, but we have never done so. At least so far, I
16 haven't heard that that is where the committee is going.
17 So that is just a question. At this point the committee
18 position is contracting with states and it is not going
19 past that.

20 MR. MORSE: There was some discussion on the
21 last point about the need to try to address the farm
22 setting, but that currently isn't under FSIS's
23 responsibility. But that just reinforces the need to
24 have close interactions and discussions as FDA develops
25 its rule. And that they basically need to be brought out
26 together, rather than independently so that they can be
27 viewed side by side.

1 MS. GLAVIN: Dan?

2 MR. LAFONTAINE: Administrative suggestion is
3 that now that all of the three subcommittees have
4 reported and we feel we have the refinements -- I assume
5 that after lunch we'll get a final version -- and to make
6 enough copies for the general public so our colleagues in
7 the back here can see exactly what we come up with.

8 MS. GLAVIN: Right. Yes. I think we can
9 commit to that. Yes. So after lunch at your place will
10 be the versions that have been worked out this morning at
11 each place and they will also be on the table -- for
12 people in the audience, they'll be on the table outside
13 the meeting room after lunch.

14 Any further discussion on the subcommittee
15 issues at this point? Well, we are going to get an early
16 lunch today. I ask you to be back promptly at 1 o'clock
17 for a briefing on the Micro Committee work, an update on
18 the Micro Committee work. So don't let the extra 15
19 minutes go to your head.

20 //

21 (Whereupon, at 11:43 a.m. the meeting in the
22 above-entitled matter was recessed, to reconvene at
23 1:00 p.m. this same day, Wednesday, June 6, 2001.)

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

2 MR. DERFLER: We're going to get started now.
3 Maggie Glavin, as she said before lunch, is going to be
4 at a meeting, and she asked me to lead the meeting until
5 she gets back, which will probably be about 2:30.

6 During lunch the revised versions of subgroup
7 number 2 and subgroup number 1's papers were handed out.
8 I believe they reflect where we wound up. If anybody
9 wants to take a quick look or has any changes, any
10 suggestions -- well, I don't want to go back and reopen
11 it. We're going to take it that this is what everybody
12 agreed to unless we hear otherwise. Having said that,
13 the first briefing after lunch is by Brenda Holbrook, who
14 is going to summarize the latest dealings of the National
15 Advisory Committee for Microbiological Criteria for
16 Foods.

17 As Maggie said before lunch, we try to keep
18 both advisory committees in contact with each other. It
19 so happens that we actually had that advisory committee
20 here in the beginning of May. And so I would like to ask
21 Ms. Holbrook to provide us with a report.

22 MS. HOLBROOK: Is my microphone working? Can
23 you hear me? Welcome all, as Phil just mentioned I'm
24 going to be speaking on the activities of the National
25 Advisory Committee on Microbiological Criteria for Foods.

26 Our advisory committee was formed in 1988 by
27 the secretary of USDA and the secretary of HHS on the

1 recommendation of two external organizations; the
2 National Academy of Sciences recommended that such a
3 committee be formed to achieve some sort of an
4 interagency approach to food safety. And then it was
5 also recommended by the U.S. House of Representative's
6 Committee on Appropriations for 1988. We have five
7 supporting agencies: FSIS is one; the Food and Drug
8 Administration of HHS; the Department of Defense; the
9 National Oceanic and Atmospheric Administration of the
10 Department of Commerce; and the Centers for Disease
11 Control and Prevention, which is also from HHS.

12 Our main purposes are to advise the member
13 agencies that we've just described. Our committee
14 focuses on science, not policy. And we also try to
15 maintain a liaison and communication with this committee
16 to coordinate with you on scientific matters.

17 The existing committee was rechartered on
18 September 6, 2000, and the charter will hold for two
19 years. As we constituted this committee this time, we
20 tried to enhance our capabilities in risk assessment,
21 predictive microbiology, and statistical analysis. We
22 also paid close attention to our balance with respect to
23 industry members, consumer members, and academic members
24 to bring their respective perspectives to our committee.
25 We have a total of 28 members at this time. We are aware
26 of and try to create a diverse population of our

1 committee with respect to minorities, women, and persons
2 with disability.

3 As Phil just mentioned, we held our first
4 meeting of this new committee on May 7, 2001. We wanted
5 to have an agenda for you at your places, but I'm not
6 sure they were actually handed out. I do have an
7 overhead that shows what our agenda looked like.

8 We had major items of salmonella performance
9 standards in green, and then at the bottom of the screen
10 you see our E. coli 0157:H7 in blade-tenderized
11 nonintact beef was our other main issue. I think you
12 have at your places congressional language that sort of
13 further describes the charge to our committee. And I'll
14 read just briefly from it. The copy that you have in
15 front of you might be a little difficult to read.

16 "The congressional committee would like our
17 committee to produce a report, including recommendations
18 to the secretary, to be prepared by the National Advisory
19 Committee on Microbiological Criteria for Foods regarding
20 microbiological performance standards, including the role
21 of such standards as a means of assuring meat and poultry
22 product safety, as well as such other considerations as
23 the committee deems appropriate. These activities should
24 in no way delay the implementation of HACCP inspection or
25 other food safety activities." So that was the general
26 charge that we received from Congress.

1 Now, also at your places I think we've handed
2 out the specific questions that we presented to our
3 committee per that congressional language. The first one
4 you should see is the salmonella performance standards
5 set of questions and then the blade-tenderized E. coli
6 157:H7 questions. Our members were also encouraged to
7 attend the follow-on public meeting on the proposed rule
8 for performance standards for ready-to-eat foods as a
9 means of introducing them to the general topic of
10 performance standard questions once the specifics of the
11 salmonella standards work was completed. I think we have
12 some handouts of those questions.

13 These go on at length here for two pages, so
14 let me just summarize in more general terms what the
15 committee was asked to do. They were asked to review the
16 role of microbiological performance standards in general
17 as a means of improving and ensuring meat and poultry
18 product safety. Furthermore, they were also asked to
19 review and evaluate the FSIS salmonella performance
20 standards, specifically in what they've accomplished to
21 date. And on the performance standards questions, let me
22 just say that FSIS would like technical input on the use
23 of indicator organisms in lieu of a specific pathogen
24 like salmonella.

25 The agency wants to know whether it is both
26 scientifically appropriate and wise from a public health
27 standpoint to incorporate regional and seasonal

1 variations into performance standards. They also asked
2 for technical input on how quantitative baseline
3 prevalence data should best be used to develop and modify
4 performance standards. And finally, what are the key
5 considerations that should be factored in when using risk
6 assessments to develop performance standards? So that is
7 a different way of saying what you've got on your
8 handout.

9 I think we will move to the next text slide.
10 We have formed subcommittees to address these two issues
11 that were submitted by FSIS as well as some other
12 questions that I will get to in a minute. Questions that
13 come from the other member agencies. We hope that the
14 subcommittees that we were formed will talk about and
15 resolve the FSIS questions. We hope that they both can
16 meet twice over the summer months. And we hope that by
17 our next plenary session in September that the committee
18 will have had a chance through the subcommittees to come
19 to some conclusion on those questions.

20 So these other questions on subcommittees are
21 as follows. While we decided that we would take the
22 broad question of microbiological performance standards
23 and break it into two if not three general categories,
24 the first one being questions related to meat and poultry
25 specifically, primarily an FSIS issue. Seafood, which is
26 not dedicated to any one particular agency but seems to
27 be of interest primarily to FDA and NOAA. And then we

1 are reserving another slot for another question that may
2 come up so that we can hold a place for another
3 subcommittee on a different question of performance
4 standards. We also have a subcommittee on the blade
5 tenderization/E. coli 0157:H7 question, which is of
6 interest, of course, to FSIS and also to FDA through
7 their work with the food code.

8 The third issue we have on the table is
9 criteria for refrigerated shelf-life based on safety. We
10 also have another question about CODEX for the committee
11 that we hope will be a short one. There is a document
12 that has already been prepared that would -- that is
13 coming up for review on CODEX, I think in October. I
14 would like the committee review that quickly and then
15 come to some conclusions about that.

16 And the final one is hot holding temperatures,
17 of interest to FDA, FSIS, and the Department of Defense.
18 So that is basically what we plan to tackle while we are
19 in session for this term. Our next plenary session is
20 planned for late September.

21 MR. DERFLER: Thank you, Brenda. Anybody have
22 any questions about what you just heard about the other
23 advisory committee?

24 MS. LOGUE: Hi, Catherine Logue, North Dakota
25 State University. Just a couple of questions for you
26 regarding emerging pathogens or looking at any of the
27 newer ones of concern -- I'm thinking here of

1 campylobacter -- does the committee have any proposals to
2 look at that at a future time?

3 MS. HOLBROOK: I am going to refer that
4 question to Dr. Wachsmuth, who is sitting across the
5 table.

6 MS. WACHSMUTH: The committee was asked once by
7 this committee to look at campylobacter in terms of
8 generating a performance standard similar to what we have
9 for salmonella. And the committee did consider that and
10 concluded that we did not have enough data for them to
11 draw any sort of scientific judgment on that. At the
12 time we proposed a baseline study within FSIS and we were
13 already doing one, so we have concluded both a baseline
14 study with our traditional methods, and now a baseline
15 study with the new method, and at the same time we
16 collected those samples, we collected salmonella and
17 generic E. coli samples. So we have a tremendous amount
18 of data we are trying to pull together now.

19 It will take a little bit of time to analyze.
20 And it has taken, of course, a year to get a baseline for
21 each. We hope to have -- I don't know if it will be by
22 the end of this year or not, but we hope to have data
23 that we can take back to the Micro Committee so they can
24 consider this question in more detail. Our first shot at
25 it was that it would probably have to be something like a
26 quantitative standard, if that were to be the case.

1 MS. LOGUE: My second question is regarding
2 Listeria monocytogenes in terms of ready-to-eat products
3 and where the committee stands on that at the moment.

4 MS. HOLBROOK: I'm sorry, I couldn't hear the
5 end of your question.

6 MS. LOGUE: I'm interested in knowing where the
7 committee would stand on the likes of Listeria
8 monocytogenes on ready-to-eat meats and such products and
9 what is happening with that.

10 MS. HOLBROOK: There are a couple of different
11 things that the committee has done. They were some of
12 the primary reviewers and contributors to the large risk
13 assessment, risk ranking, that FDA had the lead on that
14 we also participated in. So they were involved all the
15 way along in the development of that. They will probably
16 also consider listeria in ready-to-eat foods under the
17 performance standards at a time in the future. Our first
18 agency decision was to have them look at salmonella in
19 HACCP as the first performance standard because that is
20 very big, and I think that is one of the things that our
21 mandate was suggesting, even though it is not stated.
22 Then we will take our other performance standards, any
23 that involve micro criteria to the committee, so that
24 will involve listeria and FSIS ready-to-eat products.

25 MS. LOGUE: Thank you.

26 MS. HOLBROOK: Any other questions?

1 MS. FOREMAN: What is your time frame on these
2 first couple of questions?

3 MS. HOLBROOK: The first two, the one on the
4 performance standards on salmonella and the blade-
5 tenderized?

6 MS. FOREMAN: Yes.

7 MS. HOLBROOK: We formed the subcommittees and
8 they will be meeting over the summer. And we have asked
9 to have a product from each subcommittee to be presented
10 to the full committee at our next plenary sessions at the
11 end of September. And then the full committee will have
12 a chance to review and react to what the subcommittees
13 have produced.

14 MS. FOREMAN: Do you expect to have some sort
15 of full committee report before the end of the year?

16 MS. HOLBROOK: I would assume so, yes.

17 MR. DERFLER: Any other questions? Okay, thank
18 you again.

19 Next we are going to hear from Noreen Hynes,
20 who is the deputy director of the Human Health Services
21 Division of our office of public health and science. And
22 she is going to give us an introduction and overview of
23 field epidemiology. As most of you are aware, we
24 recently requested recalls of potentially adulterated
25 meat and poultry products, based in part on information
26 gained through field epidemiology investigations.

1 The presentation will provide some insight into
2 those investigations and/or actions. Our policies and
3 practices are evolving in this area, and we present this
4 as the start of a public process. We expect to hold a
5 series of public meetings beginning this summer to expand
6 this discussion, listen to comments from all interested
7 parties, and help us to formulate firm policy and
8 procedures in this area. This is an issue we will likely
9 be asking you to consider at a future meeting.

10 MS. HYNES: Hi, it's a pleasure to be here
11 today, and because I've heard a few mumblings or
12 comments, no, this is not a uniform of the United States
13 Navy, it is the uniform of the United States Public
14 Health Service, a uniformed but not military service of
15 the United States. And I am here at FSIS under a special
16 arrangement with the Office of the Surgeon General of the
17 United States, working at FSIS.

18 Today, I should note for everyone who is here,
19 to remind everyone that there is a briefing paper in your
20 binders, behind tab 10, which will essentially cover the
21 items that are included in this briefing.

22 What I would like to do today is just very
23 briefly discuss applied epidemiology as a public health
24 tool that is used in general in public health agencies
25 whether they are purely public health agencies or public
26 health regulatory agencies, such as FSIS or the Food and
27 Drug Administration. And then I'd like to discuss more

1 specifically the role of applied epidemiology in the
2 timely identification of hazards, particularly foodborne
3 hazards, and how it is used to bring about the
4 appropriate and timely institution of public health
5 actions that protect us, the consumer.

6 How I'd like to approach this today, very
7 briefly, is to put applied epidemiology in the
8 perspective of epidemiology in general; talk about some
9 of the unique aspects of applied epidemiology, which is
10 also called field epidemiology -- and certainly in my
11 description you'll understand why that's another name for
12 it; the importance of cross-jurisdictional collaboration
13 on such investigations between federal, local, and state
14 health and agriculture departments; some of the unique
15 challenges that are presented when doing such field
16 investigations; and a few examples of field epidemiology
17 in action.

18 But first, in general, to give everyone sort of
19 a background, understanding that there are people in this
20 room who are highly trained epidemiologists and others
21 who are public health professionals for many years, so
22 this will be old hat, but for many others this may not be
23 so, I'd like to discuss very briefly the concern of
24 epidemiology in general and then how this applies and how
25 applied epidemiology relates in general to epidemiology.

26 Epidemiology in general really is concerned
27 with the frequency and types of illnesses and injuries

1 and how they're distributed in populations. Very often
2 you'll hear epidemiologists talking about the important
3 aspects of time, place, and person, which help put
4 whatever the illnesses or outbreaks or injuries are in
5 perspective. And epidemiology also looks for risk
6 factors that influence the distribution of time, place,
7 and person that one sees in epidemiology.

8 The whole approach to epidemiology really is
9 twofold. There are the detailed, prospectively designed
10 studies that often take a long time to come up with and
11 to institute, to carry out and analyze. And then there
12 are these applied epidemiological investigations, also
13 known as field epidemiology, and they really are similar
14 and yet there are some very, very distinct aspects to the
15 latter.

16 So I would like to begin first, before we get
17 into the nitty-gritty of applied epidemiology or field
18 epidemiology, just to briefly discuss how epidemiology is
19 used to inform important public health actions and
20 decisions. And I'm going to use, for this example,
21 hepatitis A virus infections in the United States. Now,
22 as many of you know, some part of these infections
23 actually can be food borne, usually due to the fact that
24 you have an infected food handler who contaminates food
25 and then it gets served to individuals and then they are
26 part of a foodborne hepatitis outbreak, although there
27 are many others modes as you see here, modes of

1 transmission which are only important here to demonstrate
2 what epidemiology does to inform public health decisions.

3 Here is a global distribution of hepatitis A
4 virus infections in the United States. If you look at
5 the legend on the bottom, this tells you that whether or
6 not a particular area is designated as high,
7 intermediate, low, or very low in terms of this map, has
8 to do with the prevalence of antibodies in the population
9 to hepatitis A, meaning how many people in the population
10 in general or the prevalence of people who have
11 antibodies which would suggest they've seen the infection
12 in the past. According to this particular graphic that
13 comes to us from WHO, it suggests that the United States
14 is a very low prevalence country, although some of the
15 definitions that are used would suggest perhaps it is
16 not. It might be intermediate.

17 Through epidemiological study and looking at
18 the distribution of time, place, and person, this is how
19 these particular subsets in the population are identified
20 as high, moderate, low, and very low. If you'll take a
21 look at the moderate and low, for moderate, it's person-
22 to-person spread through waterborne outbreaks, which tend
23 not to be the case in the United States; and low, it
24 tends to be person-to-person foodborne and waterborne
25 outbreaks with young people, young adults being the peak
26 of infection although, as you'll see, the United States

1 probably is moderate because late childhood is part of
2 the pattern here as well.

3 So in the classic time, place, and person of
4 epidemiology, this particular graphic shows the time,
5 1983 through 1993; the place, the United States; and the
6 characteristics of person, which in this case are age-
7 specific rates of antibodies in the population. So
8 according to this, you can see that over time, at least
9 most recently, the highest rates have been reported in
10 the 5- to 14-year-old age group, and the lowest in the 40
11 plus age group, so that would mean many people in this
12 room, although I'm sure not all.

13 Another way of looking at the person part of
14 this -- okay, we still have the same time and are still
15 the same place, but another way to look at the person is
16 to look in the context of the acquisition of their
17 infection. So in this case, as you can see, personal
18 contact is highest in terms of the percentage of all
19 cases reported, with again the Y axis being different
20 this time than the last -- the last was cases per
21 100,000, and this is percent of all cases. Looking at
22 this you would see, for instance, that there was
23 something going on in the United States in 1985 through
24 about 1989 that made drug users a higher proportion of
25 hepatitis A cases.

26 Now, from all of the types of epidemiological
27 studies that have been ongoing and have been undertaken

1 regarding the hepatitis A virus, there are certain
2 observations that were made: that many cases in the
3 United States occur in the context of a community-wide
4 outbreak and that within the context of those outbreaks,
5 one, no risk factor is identified for most of the
6 outbreaks that occur. But when there is a risk factor
7 identified, the highest risk rates are in 5 to 14 year
8 olds, and children serve as a very important reservoir of
9 infection in these outbreaks. But additionally, the
10 epidemiologic studies have shown that persons who are not
11 involved in outbreaks who are also at high risk for
12 hepatitis A infection are travelers, homosexual men or
13 men who have sex with men, and injection drug users.

14 Based upon these data, and data similar to
15 these, the recommendation was put forward that hepatitis
16 A vaccine should be an early childhood immunization, and
17 that by immunizing young, young children, you then
18 prevent the peak that you see in the 5 to 14 year olds,
19 et cetera. Additionally, HIV-infected persons, those gay
20 men who even are not HIV infected are recommended to get
21 this vaccine, along with injection drug users and
22 travelers. This is a public health decision that was
23 made and a public health action taken.

24 As a result of this, for instance, the United
25 States Peace Corps immunizes routinely now all of its
26 volunteers upon arrival in country, within 72 hours of
27 arrival, with hepatitis A vaccine if they have not

1 previously received it. After two years, essentially,
2 hepatitis A is no longer seen in any Peace Corps
3 volunteers who've served in over 90 countries worldwide.
4 So this gives you an idea of how epidemiology has been
5 used to inform very important public health decisions
6 that have had important public health impacts.

7 So what about these detailed, prospectively
8 designed studies that are part of epidemiology? The
9 important aspects of those are that they're detailed and
10 they're designed before you are actually going to carry
11 out the study. When they are at large and because humans
12 are involved, an institutional review board process is
13 necessary to make sure there is nothing unethical in the
14 way the study is going to be carried out. It is very
15 time intensive from the planning, the protocol
16 development, the IRB, the implementation, the analysis,
17 the written reports, and this entire process often, if
18 the study is of an infectious agent, takes at least a few
19 years to carry out from start to finish.

20 Using that same list I gave you before that
21 helped determine that hepatitis A vaccine should be a
22 childhood immunization in the United States and also
23 offered to these other high risk groups, let's take this
24 aspect that for outbreaks in communities, no risk factor
25 is identified for most cases. Taking this particular
26 issue, the state of Utah decided to do an investigation
27 along with the University of Utah, to do a serologic and

1 descriptive epidemiological study to see if they could
2 identify what the risk factors were for these particular
3 individuals. They specifically wanted to look at the
4 role of household contacts and food handlers and
5 foodbornes in the role of hepatitis A vaccine. Their
6 study, which took between two and a half and three years
7 from start to finish, found that hepatitis A virus among
8 children is very common, but often unrecognized, and that
9 these children are very important sources of transmission
10 within homes and outside of homes as they travel to play
11 with other children, and they actually accounted for 13
12 of 18 clusters in over 300 cases that were looked at in
13 this study, and that transmission from commercial food
14 establishments is uncommon. So this was an additional
15 study to look at how further to inform this public health
16 issue, again, taking between two and three years from
17 start to finish, to complete.

18 So what about this applied or field
19 epidemiology? Now, this is really a subspecialty within
20 epidemiology and it's applied in specific and unique
21 circumstances. One, it's when the problem is unexpected
22 or acute, when an immediate response is needed to protect
23 the public's health. And also, the epidemiologist must
24 travel to and work in the field to solve the problem --
25 hence the other moniker for this being field
26 epidemiology. And also and very importantly, the extent
27 of the investigation is limited. The overriding

1 imperative is timely action. And so, what's enough data?
2 Just enough to make the decision that you need to make.

3 The unique aspects are that the acute problem
4 defines, really, an imperative to protect the public's
5 health. This public health imperative drives the entire
6 investigation beyond what a prospectively designed, long-
7 term epidemiological study may do; it goes beyond the
8 collecting and the analyzing. The actual taking action
9 to protect the consumer, in this case from foodborne
10 illness, is an integral part of the investigation.

11 What's important, as well, is that often these
12 types of investigations begin with descriptive
13 epidemiology, going in and saying, what's the time, the
14 place, and the person, who's sick, when were they sick,
15 and where were they sick, before you ever get to the how
16 did they get sick and what's the risk for them becoming
17 ill.

18 These types of study require vigorous ongoing
19 analysis while you're undertaking them, so that you have
20 just enough -- you have to know when there is just enough
21 to take the action to protect the public's health. So,
22 for instance, action can be taken, and has been taken,
23 when the link is only hypothesized and before any formal
24 case control study of risk factors is undertaken. For
25 example, five cases of E. coli 0157:H7 in which there are
26 two hospitalizations and one death from HUS, in which all
27 of those individuals name the same product, bought at the

1 same place, in an approximate same time period -- public
2 health action has been taken to protect the public's
3 health with withdrawal of a product from retail shelves
4 to protect the consumer's health.

5 Then also, action can also be taken on the
6 outcome of an epidemiological field study that
7 demonstrates a strong link between the illness and a food
8 without a product isolate. Without a product isolate?
9 There are some very important reasons why that would be
10 so. And I'll go into those as this develops more.

11 Collaborations for such investigations are
12 really key. In almost all cases, these investigations
13 begin at a local or state health department who actually
14 identifies that there is an outbreak, begins the
15 investigation, and often carries out the entire
16 investigation and identifies risk factors including food
17 and even particular brands of food. State and local
18 health departments alone or in collaboration with federal
19 agencies then also may conduct the investigation with
20 people from CDC or FSIS or FDA actually going on site to
21 assist in the investigation.

22 There are some unique challenges when you do a
23 field investigation that all epidemiologists know are
24 potential constraints, one of those being that the data
25 that you use often is not data collected with doing an
26 epi study in mind. So if you're going to go into grocery
27 store A, I can assure you they did not collect their

1 grinding records for ground beef because they knew you,
2 as an epidemiologist, were going to come and look at
3 them. So that's something to be considered.

4 Also, at times there are very small numbers,
5 and when you want to do one of these comparative studies
6 for risk, to identify risk factors such as a case control
7 study, having only two or three cases sometimes puts
8 statistical limitations on the inferences you can make.

9 And then this issue of how could you do an
10 epidemiological study and come up with these links and
11 then you would have a public health action taken and
12 there would be no product isolate. One of the realities
13 of life is that the horse is often out of the barn. What
14 I mean by that is that often the outbreak comes to the
15 attention of public health officials when the outbreak is
16 on the wane, and by the time you have done everything
17 necessary to identify the risk factors et cetera,
18 sometimes there is not any product left. It has already
19 gone to consumers and been
20 consumed. And that doesn't mean the outbreak is over.
21 It could be that you just cannot retrieve product. So
22 that's a very important issue. It takes a while for the
23 outbreak to be identified, and then it's propagating
24 along, but also maybe trailing off at the time when the
25 actual investigation is undertaken and ultimately
26 completed.

1 Additionally, when you go to do these,
2 particularly when you want to do the study for risk
3 factors, you may in fact have fear on the part of the
4 persons who are ill. They're afraid that medical
5 confidentiality will be breached when they have to share
6 information about their illness with the Health
7 Department, a branch of the government, because they
8 don't necessarily believe that I'm from the government
9 and I'm here to help you. And also, similarly,
10 establishments where implicated food products have been
11 manufactured may also be reticent to participate because
12 participation would potentially mean the threat of
13 litigation.

14 There are also other factors that just have to
15 do with, some people just don't want to be questioned for
16 any reason, whether you're from the government or not,
17 and many others that I could probably talk to you about.

18 What do these epidemiologists do when they do
19 these field studies? Well, first an outbreak has to be
20 identified, and so you identify an outbreak if it's above
21 what you would usually expect to see. And often it can
22 be as little as -- for some diseases, as little as one
23 case and for others, maybe two or three. For cases like
24 influenza it has to go above a baseline that's calculated
25 often statistically, using models.

26 The case interviews go on in which a broad food
27 history is taken to find out what people have consumed

1 over the past X number of days or weeks. A broad
2 environmental exposure history is taken, particularly
3 when there are agents that could be food borne or could
4 be transmitted in other ways, and identification of
5 common food suppliers in the process of this case
6 interview. Additionally, there will be laboratory
7 investigations to see. For instance, if there's an
8 outbreak of diarrhea, well, what is the diarrhea from?
9 You then want to match them up, so if you have 15 cases
10 of diarrhea and it turns out that three are salmonella
11 and four are E. coli and two are you can't figure it out,
12 well then, it isn't necessarily an outbreak. But should
13 you have 15 cases of all the same thing that are PFGE
14 matched, then you begin to become concerned and then you
15 want to know, was some common link between all of them.

16 And then a case control study, remembering that
17 a public health action may have already been taken,
18 depending upon the severity of what the outbreak is. So
19 the more severe the outcomes of the illness, the more
20 likely there is to be a public health action taken
21 earlier to attempt to abrogate the outbreak, particularly
22 when there are severe illnesses, hospitalizations, but
23 especially deaths.

24 And then the comprehensive environmental
25 investigation can go on and this can be in a grocery
26 store, for example, can be actually in a plant itself.

1 And then, of course, part of this process is to take a
2 public health action.

3 Now I want to give a few examples that may come
4 closer to the heart of the people on this particular
5 advisory committee. This was a large outbreak of
6 *Listeria monocytogenes* that was linked to small-diameter
7 sausages and deli meats that occurred between 1998 and
8 1999, with 101 cases and 15 deaths that occurred over a
9 period of time from August of 1998 through February of
10 1999.

11 As you can see, the fatal cases are
12 interspersed throughout. Over half of these were
13 perinatal deaths. What is not shown here, if you look at
14 the date 7-19, you can put a very large circle there, and
15 at that time at the implicated establishment there was a
16 very, very large construction project that went on in a
17 particular area near the small-diameter sausage region of
18 the plant.

19 Subsequently the outbreak took off in several
20 weeks, and then if you see the top peak of this outbreak
21 on the graphic, it has no deaths; the highest peak there
22 is 9 cases. It was during this week that the
23 establishment voluntarily recalled small-diameter
24 sausages and deli meats that they made. And in one
25 incubation time, approximately six weeks for listeria,
26 the outbreak was essentially over.

1 Okay, that public health action in this case was in fact
2 the voluntary removal from commerce and people's
3 refrigerators of this particular product.

4 Now, to give you another example of what can go
5 on in terms of epidemiological investigations, there was
6 in fact a positive product isolate for the last outbreak
7 that I showed and it did molecularly match the isolates
8 from the patients as well. Here was another outbreak of
9 E. coli 0157:H7 linked to dried, cured salami. And in
10 this very short period of time, over about a one-month to
11 one-and-a-half-month period, 20 cases of laboratory-
12 confirmed diarrhea due to 0157 were reported in which
13 there were three hospitalizations out of the 30 cases,
14 and one of the three hospitalized persons developed
15 hemolytic uremic syndrome.

16 Brand A of dried, cured salami was named by all
17 those who were interviewed, even before a case control
18 study was done. And based on this information alone,
19 this product was voluntarily withdrawn from retail.
20 Subsequent to this, the case control study was carried
21 out and an isolate was found, but the public health
22 action had already been taken to ensure that no more
23 consumers became ill.

24 And finally, this is preliminary data -- all of
25 the data has not yet been forthcoming from CDC -- this
26 was a more recent outbreak of listeria in which ten
27 states were involved, that went from May through December

1 of 2000. Again, this particular outbreak investigation,
2 through a case control study, identified sliced deli
3 turkey meat as the vehicle of the outbreak, which was --
4 all of these 30 cases of PFGE matched. In further
5 investigation of the potential sources of the outbreak, a
6 particular establishment was identified and the
7 environmental investigation in that particular
8 establishment supported that in fact they were the actor
9 in this particular outbreak.

10 However, and subsequent to this -- and there
11 were, I believe, seven deaths, four of which were
12 perinatal, related to this outbreak -- the establishment
13 voluntarily recalled product. There was not at the time
14 of that recall any product isolate identified that was in
15 commerce at that time.

16 What I have just briefly tried to give you a
17 sense of is that applied epidemiology is not the same
18 pristine, long-term, lots-of-time-planning type of
19 epidemiology, but it's public health epidemiology to
20 protect the public's health. Whereas the more detailed,
21 prospectively designed studies aim at the bull's-eye on a
22 target, applied epidemiology's goal is to hit the target
23 and get as close to that bull's-eye as it can,
24 understanding that the imperative is protecting the
25 public's health.

26 I've tried to impress upon you, if at all
27 possible, the unique aspects of applied epidemiology, in

1 that you don't always have the best data; it hasn't been
2 collected with you in mind, necessarily, although the
3 case control studies are, but a lot of the environmental
4 data that we use is not; that without excellent cross-
5 jurisdictional collaboration with state and local health
6 departments and agriculture departments, we all could not
7 do our jobs. I hope that you see now that there are some
8 unique challenges that we deal with when we go into the
9 field and do these investigations, often when the "horse
10 is out of the barn."

11 Finally, I hope that some of the examples that
12 I've shown you today will give you some sense of when
13 this particular type of epidemiology is appropriate and,
14 in fact, has a very salutary effect upon the public's
15 health.

16 If you have any questions, I'm happy to
17 entertain them.

18 MS. WACHSMUTH: Noreen, I'd just like to make
19 one point, and correct me if I'm wrong on anything, but I
20 think the three examples, all three examples you showed
21 of the foodborne outbreaks, we did eventually have an
22 impact product positive with the analyte -- in all three.
23 The first outbreak, it was January after that recall in
24 whatever -- November. There was finally an isolate in a
25 PFGE match. And I think one of the things that --

26 MS. HYNES: But the third example that I gave,
27 there was never an in-commerce, a current in-commerce

1 isolate. There was an isolate, but at the time of the
2 public health action, there was not a --

3 MS. WACHSMUTH: Correct, that's my point.
4 Although eventually we had these isolates from impact
5 products that did go into commerce, I think there will be
6 times when we might want to take that public health
7 action -- we don't have the isolate, it may not come
8 three months down the line. But that's what we probably
9 need to consider today.

10 MS. HYNES: Correct.

11 MR. LAFONTAINE: Dan Lafontaine from South
12 Carolina. Just for information, I've got a couple of
13 follow-on questions. I realize that, as you said, these
14 potential outbreaks are first usually reported at the
15 state and local level. And I'm not trying to be one up
16 on you, but I didn't hear you mention PulseNet, which is
17 becoming increasingly important.

18 MS. HYNES: Yes, as a matter of fact that's a
19 very, very good point.

20 MR. LAFONTAINE: Which makes a local problem
21 many times, obviously, a national problem. But the
22 question I have for you or FSIS is, as these situations
23 develop and FSIS has its, I'll call it, recall group,
24 who's in charge. Who's making the decisions on who does
25 the field epidemiology? Because I always hear, well,
26 they called in CDC at a certain point or whatever, so I'm
27 trying to get a feel for the mechanics of this. I think

1 it's important for all of us to know how -- what is the
2 system, in other words?

3 MS. HYNES: Let me give you an example of the
4 most recent listeriosis outbreak in which 10 states -- it
5 was a multistate outbreak which included at least 10
6 states. Actually, one state noted that they had an
7 increase, and then also PulseNet, which is the molecular
8 typing surveillance system that's run by CDC, but most
9 state health departments either directly participate or
10 in collaboration with a nearby state collaborate, as well
11 as the FDA and FSIS.

12 An increase in a cluster of PFGE-matched human
13 isolates of listeria, which was a unique pattern that had
14 not really been previously seen, was identified. The
15 states in question then participated with CDC in a case
16 control study to identify risk factors for this
17 particular what appeared to be PFGE-matched numbers of
18 human isolates. Upon the identification of process, a
19 statistically significant association with processed deli
20 turkey meat, then this cluster of PFGEs became officially
21 an outbreak because now there was an epidemiologic link
22 to the PFGE pattern, which in an of itself alone does not
23 say it's an outbreak, it's a cluster of the same pattern.

24 Subsequently, a particular establishment by
25 further investigation was epidemiologically linked to
26 potentially be the actor. And then, although the first
27 part of the epidemiological investigation was carried out

1 by the state health departments in collaboration with
2 CDC, the other part of the epidemiological investigation
3 was carried out by the Human Health Sciences Division of
4 the Food Safety and Inspection Service, in collaboration
5 with CDC and the states.

6 MR. LAFONTAINE: Run that last statement by me
7 again.

8 MS. HYNES: The in-plant and part of the
9 environmental in-plant investigation was carried out by
10 the Division of Human Health Sciences in the Office of
11 Public Health and Science at FSIS -- i.e., the group I
12 work for.

13 MR. DERFLER: If I could elaborate on that just
14 a little bit, once we get in plant, there's a different
15 set of issues that are sometimes presented: for example,
16 access to the plant's records and protecting the
17 confidentiality of the plant's records -- something that
18 we're prepared to do; something that CDC is sometimes *not*
19 prepared to do. And so that is why there is a lot of
20 discussion back and forth between the two agencies. But
21 those factors come into play as you work through an
22 investigation of this type.

23 MR. LAFONTAINE: Let me make a follow-up
24 comment and question and kind of dig underneath the rug,
25 as you say. So what I hear you saying is that as would
26 normally happen with a food outbreak, state and local
27 health departments are doing their thing and at a certain

1 point CDC gets involved or gets invited because it's
2 apparent that it's beyond
3 their -- either beyond their capability and/or it's
4 multistate.

5 MS. HYNES: The usual way that it works is,
6 when it's a multistate event, CDC works in collaboration
7 with those state and local health departments to conduct,
8 as you would see here, a case control study. It's in
9 collaboration. FSIS was a part of all the conference
10 calls, or many of the conference calls that went on
11 during that stage, in anticipation that there was a
12 probability that a food product regulated by FSIS may be
13 implicated. And then when that implication was made for
14 issues such as what Phil has brought up, then the in-
15 plant part of the investigation was carried out by FSIS.

16 MR. LAFONTAINE: Well -- I'm sorry, let me just
17 finish. Now I want to jump to the in-plant part and I
18 don't intend for it to be a loaded question but I'm just
19 trying to get an honest -- my understanding of what I
20 read -- and it may not have been accurate -- is that in
21 the Michigan case, the listeria outbreak in '88 and '89,
22 the CDC was actually in the plant as a part of the
23 evaluation. Is that correct?

24 MS. HYNES: CDC was in the plant for that
25 investigation. I was not part of FSIS at that time.

26 MS. WACHSMUTH: Actually, CDC went into the
27 plant with one of our epidemiologists.

1 MR. LAFONTAINE: As a state program person, you
2 know, God forbid, I may get involved in one of these and
3 I want to know who's going to be available and who's
4 playing what role. That's why I'm asking all these
5 detailed questions.

6 MS. HYNES: I think your question is an
7 excellent one, and as I've had to very often explain to
8 my nonpublic health colleagues -- but you are a public
9 health person, so I think you'll understand this -- that
10 every outbreak is quite different, and it's almost like
11 every patient is different. Every outbreak is different.
12 And the local variables, and even national variables,
13 differ with each one. And so the complement of
14 professionals that you will put together to complete the
15 investigation often is very outbreak specific. So if
16 it's a small state with a very small epidemiology
17 department, it may be CDC that has the lead on the ground
18 from the beginning of the investigation because there is
19 not the capacity at that time because of other competing
20 demands on the state health department.

21 But many state health departments, almost --
22 and actually most foodborne investigations really don't
23 come to CDC's attention to come and help with, so to
24 speak. Most state health departments do their own.

25 MS. WACHSMUTH: There may be an important thing
26 -- sorry to interrupt -- Noreen knows and I know, but CDC
27 has to be invited. Even if you have a multistate

1 outbreak, CDC does not just go. Even when there was
2 Jack-in-the-Box, those were individual state
3 investigations, and the states are not always inclined to
4 invite CDC. That's why it is very variable, as Noreen
5 said, from outbreak to outbreak.

6 MR. LAFONTAINE: One final comment. I was just
7 interested in that part, but also FSIS's thought process
8 on the in-plant part of this, which is what I was really
9 leading up to, is who and how gets -- who gets involved
10 and when, in the plant part of the investigation.

11 MS. HYNES: Before I answer that, you,
12 certainly, coming from South Carolina, I think, would
13 realize that many state ag departments, particularly
14 those in agreement with FSIS, actually do their own in-
15 plant investigations when there's an outbreak, and health
16 departments often do go into establishments. So again, I
17 need to really impress upon everyone that every outbreak
18 is unique and the team that you make up to address it has
19 to be designed at that time.

20 When there are human illnesses involved and a
21 particular establishment has been identified and there is
22 need for an in-plant environmental investigation, that
23 would be the Human Health Sciences Division of -- the
24 Office of Public Health and Science would be a
25 participant in that. As Phil has alluded to, there might
26 be other issues, regulatory issues, etc., that would
27 include other personnel from other parts of FSIS who

1 would actually be present in the plant, but their role
2 would be different from the epidemiologist's role,
3 because the epidemiologist's role is to determine whether
4 or not the link is plausible that has been identified.

5 MR. GOVRO: Michael Govro, Oregon Department of
6 Agriculture. I just want to comment that Dan's question
7 emphasizes the importance of the issue that we brought up
8 this morning, which is to delineate who does what where.
9 I think that's extremely important in this case. And I
10 have another question, but I'll defer that if we want to
11 stay on this subject for a minute.

12 MS. JOHNSON: Alice Johnson, National Food
13 Processors. Thank you for the presentation. This was
14 very informative.

15 From reports from some of the establishments
16 involved, when FSIS, the team is there, things work very
17 smoothly. I think there has been a lot of concern in
18 some of the plants in that CDC shows up on the doorstep
19 first and asks for specific records; or it's even my
20 understanding that they ask to go in and do some
21 sampling. And I hope that FSIS and CDC and the other
22 agencies, local or state agencies that are involved, can
23 do as good a coordination as possible on this, because as
24 you know, when it gets to this point, everybody is a
25 little jumpy anyway.

26 MS. HYNES: Yes.

1 MS. JOHNSON: So I think that any type of
2 agreement that can be reached -- and if there is a formal
3 method of putting the team together and what happens
4 here, here and here -- and I know it may be very specific
5 to the individual situation, but I think that would help
6 relieve some of the stress on the plant and allow for
7 more information to be available when the team gets
8 there, without having to run down records, because in
9 some cases the records may not be readily available. And
10 if the establishment understands that the team is coming
11 and on their way, they can get these records and get
12 information available that may actually speed up the
13 whole process. So I would encourage the agency to do
14 that.

15 MS. HYNES: I think that your point is a very
16 good one, to make sure that everyone talks to each other.
17 And I think that certainly Dr. Wachsmuth would tell you
18 that one of the reasons for creating the Human Health
19 Sciences Division was to get a team of epidemiologists
20 who in fact know CDC and FDA and have worked with them
21 previously and are in with states as well, to be sure
22 that we all do try to sing from the same sheet of music
23 and that these run as smoothly as possible, understanding
24 that they are emotional for the consumer, they are
25 emotional for the implicated establishment, and they are
26 emotional for the team that has to investigate it all as
27 well.

1 MS. JOHNSON: I'm sure the team may get jerked
2 out in a way that is not that easy, either. I would
3 encourage information sharing as soon as information is
4 obtained. I know in some of these situations the
5 facilities have felt that they didn't receive all the
6 information upfront that may have helped them to make
7 some decisions. Thank you.

8 MS. HYNES: Anyone else?

9 MR. GOVRO: It is kind of a change of subject,
10 if anybody has another -- I'll go ahead and ask. What
11 kind of progress is being made on the identification of
12 viral agents from foods?

13 MS. HYNES: Actually, CDC is in the process of
14 creating sort of a colici net. And also PulseNet does
15 anticipate bringing viral pathogens on board in the
16 future, although in my discussions with them they do not
17 know when they will bring viral pathogens on board in
18 PulseNet.

19 MR. GOVRO: My question is specifically the
20 ability to identify viral agents such as Norwalk-like
21 viruses from foods. It is my understanding that we're
22 not very good at that yet --

23 MS. HYNES: There is a pilot project right now
24 that includes, I believe, ten state health departments/ag
25 departments in which they are specifically PCRing et
26 cetera. And it is in the pilot phase right now. And
27 Dale, you can correct me if I am wrong on that. Are

1 there not about ten states that are participating in this
2 pilot project?

3 MR. MORSE: I don't know the exact number, but
4 there has been tremendous progress made in the testing of
5 humans. As people are probably aware, most foodborne
6 outbreaks are presumed viral and previously were
7 undiagnosed at least in terms of confirmation. Recently
8 CDC looked at 229 outbreaks, and approximately 90 percent
9 of those they were able to show with the new viral
10 testing that they were related to Norwalk-like
11 coliciviruses on the human side. They still need to do
12 more progress on the food side, as Noreen mentioned,
13 because there are other things in food that you have to
14 get rid of, so it is a little more complicated. But
15 progress is being made there as well.

16 There have been some outbreaks that the CDC has
17 actually been able to -- I believe there were some clam
18 and oyster-related outbreaks -- were able to actually
19 trace it back to the water, the part of the bay where the
20 clams came from with genetic sequencing. So progress is
21 being made on the viral side as well.

22 MR. DERFLER: Any more questions? Thank you
23 very much. I think it was an excellent presentation as
24 well, and it provides a lot of insight into what we've
25 been doing lately.

26 The next presentation is going to be made by
27 Don Smart from our Technical Service Center. Yesterday I

1 believe you heard a presentation on next steps, FSIS next
2 steps, and the two goals of next steps, which I think
3 you've heard twice, are to try and help us do our jobs
4 better, and also to help plants do their jobs better.
5 One of the ways that we're trying to effect this is
6 through what Mr. Smart is now about to talk about.

7 MR. SMART: While we're getting set up here,
8 I'd like to also say what an excellent presentation. And
9 I'm a little jealous because I don't have a real fancy
10 uniform to wear up here, and if I wore the last one that
11 I had available it would involve shoulder pads and a
12 helmet.

13 I'm very pleased to be here today with such an
14 illustrious group of individuals. Some of you I have had
15 long-standing relationships with and have been very
16 pleased with that. Others, I am just meeting today. I
17 see that she has left -- Carol Tucker Foreman -- I was
18 going to make a comment about being glad to actually see
19 her in person, I've heard her voice so many times. She
20 was essentially in charge when I came on board in 19--.

21 Anyway, as Phil said, I am Don Smart, Director
22 of the Review Division at the Technical Service Center.
23 Talking about the subject that I am here to talk about
24 today, one of the first things that we addressed was the
25 history, the stigma attached to the word "review" and the
26 review staff which used to be Lawrence, Kansas. During
27 reorganization we moved to Omaha, Nebraska. And when we

1 were in the developmental stages of this process we
2 decided that there weren't a whole lot of people that had
3 really fond recollections of review, so maybe it would be
4 better if we approached things from a different way, and
5 part of that approach was changing the name. So we have
6 changed the name of the domestic review staff to the Food
7 Safety Systems Correlation Team.

8 I'll try to run through this presentation
9 pretty quickly because in earlier conversation it seemed
10 like maybe you guys had maybe read through your hymnal
11 here, either that or you were aware of some of what we
12 are doing. So I think you might have some questions, so
13 I'll try to go through this fairly rapidly to give you
14 time for questions.

15 The purpose of the Food Safety Systems
16 Correlation is to enhance and improve the effectiveness
17 of inspection verification activities and assist the
18 establishments in improving their food safety systems.
19 It is kind of a dual-pronged approach, that while we are
20 in the field we anticipate being able to provide benefit
21 to both.

22 The way we start before we go to a district is
23 we have a planning and preparation group for each
24 district activity, and we select a random selection of
25 plants within the district, numbering 10 percent of the
26 plants or a minimum of 40 depending on the population of
27 the district.

1 As I said, they are randomly selected from the
2 entire population of each circuit so that we have a
3 fairly equal number in each circuit. We do not include
4 plants that have had an IDV -- I presume all of you know
5 what IDV is --you don't? -- okay, in-depth verification
6 review, which is a very rigorous process that we have
7 teams go out and do. If you have had an IDV in the last
8 year as a plant or you are scheduled to have one, then
9 you're automatically out of our list.

10 Before visiting the plants for the on-site
11 visit, the planning and preparation group will gather all
12 of the information they can on the plants. We have
13 access in Omaha to up-to-date PBIS information,
14 enforcement information; we contact the district offices,
15 we use all the tools at our disposal to give us a handle
16 on what we might see when we go into these
17 establishments. For instance, looking at PBIS data, we
18 would probably raise an eyebrow at establishments that
19 had no NRs documented for the last six months. Even
20 though we know there are some really good plants out
21 there, we question whether there are any perfect ones.
22 We would be delighted to find one.

23 On the other hand, we would also look very
24 closely at establishment results that showed a huge
25 number of NRs; we would look to see what was causing that
26 and whether that was an accurate portrayal of what is
27 going on in the plant. Once we do all of our preparation

1 work in Omaha and assemble our group that is going to go
2 to the district, then we travel to the district office
3 with the work group and meet with the district manager,
4 the deputy district manager, the ADME, the entire
5 district office staff, and the circuit supervisors. We
6 walk through the entire process, we go through the
7 paperwork that we are going to use in the plants, and we
8 describe everything that we are going to be doing while
9 we are out in the establishments, and give them the
10 opportunity to ask questions upfront in that environment
11 before we get to the plant.

12 The Food Safety Systems Correlation Team, once
13 we arrive at the plant, consists of our TSC staff person,
14 the circuit supervisor, and in-plant inspection
15 personnel. In most cases that is the inspector-in-
16 charge, and on some occasions it could include other
17 district office personnel that come along as observers.

18 When we arrive at the plant we want to be sure
19 the plant officials know who we are and why we are there.
20 So we hold an entrance meeting with the establishment
21 officials and we go over exactly why we're there, what
22 we're doing, what types of questions we are going to be
23 asking, what we're going to examine while we're there.

24 We emphasize to those establishment officials,
25 many of which have a history with our group and know what
26 previous reviews have been like, that this is unlike what
27 they've experienced before, that it will not be a

1 comprehensive review in that we will not be issuing plant
2 specific reports that identify a laundry list of
3 deficiencies within their plant.

4 Again, here we emphasize that our purpose is
5 not to create a laundry list but to observe food safety
6 systems in operation, and inspection application to that
7 environment. The one proviso that we have is that during
8 our plant visit if we do observe adulterated product
9 being shipped or produced, that we would expect the
10 normal action to be taken, which would be to control the
11 product.

12 We try to make the environment in the plant
13 such that all of the establishment officials and
14 inspection officials feel very comfortable with the
15 process and participate fully. We want maximum
16 interaction. We do not want to the inspectors or the
17 plant people to feel that we are in a got-you mode. We
18 are just in there to gather information and provide
19 assistance while we are on site.

20 Each visit to the plants in the district that
21 we go to involves two component. We look at the records
22 associated with the items that we have selected for that
23 plant to examine, and we go out into the plant and watch
24 that part of the system in operation. We don't do all of
25 the component of food safety systems and inspection
26 checks in each plant. We pre-select a minimum of three
27 component to look at from a list that we have, which

1 should show up here; it includes SSOPs, hazard analysis,
2 CCP determination, critical limits, and procedures for
3 reassessment record keeping, monitoring, and
4 verification.

5 In the entire population of the district and
6 the checklist that we use, we strive to maintain an equal
7 balance among all eight of these checklist items, so we
8 use each one approximately the same amount of time. At
9 the conclusion of the plant visit, the team will get
10 together with plant management, if they haven't been
11 involved every step of the way anyway, for an exit
12 conference and talk to them about our observations and
13 what we have noticed from their food safety systems that
14 they have in place. And we ask them if they have any
15 concerns or things that they would like to see addressed,
16 and the follow-up correlation activities that I'll get to
17 in a minute.

18 We again emphasize that the purpose of the
19 visit is to gather information on the range of practices
20 of inspection personnel in the industry, and not to
21 create that laundry list, a plant-specific report. And
22 one of the reasons for that is that individual plant
23 information does not provide sufficient data to represent
24 the range of practices within a district.

25 Once we bring back all the information back to
26 Omaha, we work with our analysts at the TFC to develop a
27 written report that describes the range of practices

1 observed within a district. And we use a lot of that
2 information to develop correlation activities, which is
3 the second phase of the food safety systems correlation
4 process. After all of the in-plant data gathering is
5 completed and we assess all that data, we determine what
6 major points are at the fringes of the range of
7 activities that I talked about earlier. The ones that
8 are either obviously not meeting regulatory requirements
9 or application of regulatory requirements or inspection
10 procedures. And then the ones that are in the gray,
11 fuzzy area edges. And we develop correlation materials
12 and activates based on those fringe areas and those
13 outside the edge to go back to the districts to have
14 correlation activities on those items.

15 We have completed the in-plant portion of one
16 district; our pilot district was Boulder, Colorado. We
17 received some very positive feedback from inspection
18 personnel and industry officials on the process. They
19 felt that it was very open and they were very pleased
20 that they were included in the process and were able to
21 point out items of concern that they had, and issues that
22 they thought we should correlate on.

23 The Boulder office did an excellent job of
24 scheduling some correlation sessions, which will begin
25 next Monday. All GS-8s and above in the entire Boulder
26 district will be involved in a full-day correlation
27 session over a two-week period, two days next week and

1 then all of the following week; and then we will have
2 nighttime industry sessions in Boulder, Albuquerque,
3 Phoenix, and Salt Lake City.

4 Shortly thereafter, the following week we will
5 begin our second district in Atlanta, Georgia, and we
6 will follow up that activity with correlation sessions in
7 the Atlanta district that will include inspection and
8 industry representatives.

9 We are in our infancy in this process. We do
10 want to include any concerns that any of you might have,
11 because I know that at least most of you have been
12 involved in the meat and poultry inspection aspect of the
13 industry for a long time and we value your input. Any
14 questions?

15 MR. GOVRO: Michael Govro from Oregon. You
16 lost me just a little bit there at the end with a couple
17 of terms that I am not familiar with. And those were
18 what are correlation materials and activities?

19 MR. SMART: I didn't explain that, did I? We
20 have developed Powerpoint presentations to guide our TSC
21 staff members through a correlation session. We could
22 conceivably have hand-out materials that focus on
23 specific points. We might bring up a certain part of the
24 regulations that we think needs further guidance or a
25 reiterance of the guidance that was given that -- of all
26 of the changes that we've had over the last three or four
27 years, that maybe that point didn't stick as well as it

1 should. We have a full range of materials that we have
2 available. If we find an overriding point somewhere that
3 we think that we are seeing in every district -- that we
4 need better clarification -- then we would work through
5 the policy staff to maybe have something reissued like
6 reminder notices or clarifications.

7 MR. GOVRO: So would this be where you would
8 address issues such as the interpretation of a phrase
9 like "reasonably likely to occur"?

10 MR. SMART: Absolutely.

11 MS. JOHNSON: Alice Johnson, National Food
12 Processors. I think it is great that you are sharing the
13 training material with the industry, because I think
14 industry can learn as well as FSIS. I know that the Tech
15 Center -- the people who are going out and doing the
16 correlations have gone through a lot of training, as
17 opposed to what the normal in-plant or district person.
18 Would you explain a little bit about the type of training
19 they've received?

20 MR. SMART: Every Tech Center employee has
21 essentially had a baptism of fire since we had phase one
22 of implementation. A number of the people involved sat
23 on the HACCP hotline day after day, week after week,
24 month after month during implementation. So far,
25 everybody that we've included on this effort has also
26 gone through follow-up HACCP training and has attended
27 what we originally called advanced HACCP training at

1 College Station, but it is now retitled advanced concepts
2 in risk and analysis, which has some heavy-duty science
3 components to it and risk analysis, and epidemiology,
4 microbiology, statistics, and a large portion of them are
5 responsible on a day-to-day basis for questions that come
6 in on the Tech Center email account. Where we are
7 receiving literally thousands of questions each year from
8 inspectors, supervisors, industry officials, state
9 officials, foreign government officials. We've got a
10 huge amount of data available. So we've been living and
11 breathing it every day without having to deal with what
12 inspectors have to deal with in the field trying to get
13 that in the plant.

14 MR. LAFONTAINE: Dan LaFontaine, South
15 Carolina. First just a comment and then a question. For
16 those in the audience who aren't aware, Mr. Smart's staff
17 also do the reviews of the state programs. I believe it
18 is different groups of people but they both work for you,
19 is that right?

20 MR. SMART: They are derived from the same
21 group on the domestic staff, although for the food safety
22 systems correlation, we use all the resources of the Tech
23 Center, so we have review, processing, and slaughter
24 people that have already worked on this process.

25 MR. LAFONTAINE: My question is -- I just went
26 through a state review, it was still called a review at
27 that point and was a very thorough look-see. The

1 approach was somewhat similar to what you describe,
2 although this is new and different. So my bottom-line
3 question is, is this the same system we are eventually
4 going to use for the states or is it premature to answer
5 that question?

6 MR. SMART: There is a gentleman sitting right
7 behind you who can probably address that better.
8 Currently we have a mandate to review -- have
9 comprehensive reviews of the state program, so I don't
10 expect that is going to change, although the way we
11 conduct business we can vary as long as we meet the
12 criteria. I would like to say that a lot of what went
13 into this was based on some successes that we had working
14 with the state programs, and Mike Mamminga was the one
15 who got the ball rolling. He volunteered time and time
16 again for us to come over and practice in Iowa, because
17 he was close by, and he felt that any interaction that we
18 had outside of the state review system would be very
19 beneficial. I believe we gained a lot from it at the
20 Tech Center. And Mike has indicated that he and his
21 staff gained a lot from it, too.

22 After he shared information with some of the
23 other state programs we've gone to four or five other
24 states outside of the review activity and conducted some
25 correlation-type activities with the state programs.

26 MR. JAN: First question I would have is, you
27 say you finished Boulder and you moved to another

1 district. Is Boulder done or is this going to be an
2 ongoing process that you will do these food safety
3 reviews annually or every three years or something?

4 MR. SMART: If we fulfill the mandate from Dr.
5 Mina, we will be up to our eyeballs in activity, and it
6 will not stop. Presuming that we get through the 17
7 districts on schedule, I fully expect that we will start
8 right in again and just keep right on going because there
9 will always be a need to bring us closer and closer
10 together.

11 MR. JAN: My next question would be, if I
12 understand when you finish a district and put the data
13 together, you develop or create a correlation program
14 specific to address some of the weaknesses that you have
15 identified in that particular district. Can the state
16 program inspectors be invited -- or at least a staff
17 equivalent level -- you said GS-8 and I'm not sure why
18 that -- if that is supervisors or what level that is --
19 but is it possible to get state inspection personnel to
20 benefit from these correlations and, one step further,
21 when the staff does the reviews of state programs --
22 currently those are done once every four years or maybe
23 every year -- but whatever it is, rather than just saying
24 how you handle the deficiency can you develop
25 correlations for the states to help work on their
26 problems if there are some deficiencies that could be
27 correlated on?

1 MR. SMART: We very definitely have provided
2 assistance to the states as I mentioned, with Mike and
3 some of the other states, on correlation activities and
4 we will continue to do that as resources allow. The
5 reason I said GS-8s and above, those are our individuals
6 that have offline HACCP responsibilities, and Dr. Mina
7 indicated that he wanted every inspector who had offline
8 HACCP responsibilities to go through these correlation
9 sessions.

10 For Boulder, we do have -- during the Salt Lake
11 City, I notice that we scheduled State of Utah employees
12 are included in that, and I am almost certain that I am
13 not going out on a limb to say that when we do Dallas if
14 you want to have people there and you work with our
15 district office, as long as we have a facility that is
16 big enough that we would welcome that.

17 MR. DERFLER: I would like to second that
18 because one of the things that we do OPPDE is after we
19 issue a directive and people in the plants have had an
20 opportunity to work with it for a while, we conduct a
21 survey to try and see how well it is working and how well
22 they understand it. One of the decisions that we made
23 fairly recently is that we want to contact state people
24 to see their take on it as well. So I think that is
25 perfectly consistent with what Don just said. The basic
26 principle is going to underlie what we do. Any other
27 questions? I want to thank you, Don, for your

1 presentation. We're going to take a short break now,
2 because I'm not sure how much more we will have after the
3 break. So if we take a 15-minute break and then
4 reconvene, and hopefully Maggie will be here by then.

5 (Off the record.)

6 MS. GLAVIN: I'd like to recognize that our
7 administrator has come by to at least have a short time
8 with you. You are moving so expeditiously through the
9 agenda that he is not going to have much time with you.
10 But I would particularly urge the new members on the
11 committee to introduce themselves to Tom as we have the
12 opportunity, and say a few words with him -- and
13 certainly the old ones are welcome to, also -- the
14 experienced members of the committee.

15 My understanding is that we are up to the
16 discussion on any remaining issues that the committee as
17 a whole or any members of the committee would like to put
18 on the table for discussion. Tom, I didn't have the
19 chance to tell you that subcommittees did yeomen's work
20 last night, and the committee has put forward, based on
21 the subcommittee's work, some recommendations and advice
22 in the three areas -- the emerging egg strategy, the
23 industry petition on HACCP, and the federal, state and
24 local government relations. Real hard work last night
25 and again this morning bringing it to the full committee.

26 Anything that any committee member would like
27 to have discussed or talked about? Questions?

1 MR. HOLMES: Maggie, I've got something real
2 quick. There was something that was brought up yesterday
3 morning about Chris Church and his group maybe looking to
4 see if there was possibly a list of legislative issues
5 that may be pertaining to food safety. I don't remember
6 exactly what we were asking, but there was something in
7 that regard.

8 MS. GLAVIN: The question was whether there was
9 a bill introduced on interstate shipment this year. And
10 this answer is no, there is nothing introduced on the
11 Hill at this point on interstate shipment. I don't think
12 we got a copy of the full list of any food safety things.
13 That is certainly something we can share with the
14 members. If you like it, we can get it sent out to you.
15 That changes day by day, but we can send you one and you
16 can look at it, and see what is there. But there wasn't
17 anything on interstate shipment at this point, and I
18 think that was the one that we were asked to check on.
19 Dan, you are the one that asked -- you know, it was
20 additional species, that was it. And there was not
21 anything on that on our list.

22 MR. LAFONTAINE: I mentioned this to some of
23 the staff earlier, but I wanted to mention it to
24 everyone. A recommendation for the next meeting would be
25 to have a briefing on what you're doing on your lab
26 system. You've recently taken Pat McCaskey and put him
27 over all the labs to standardize, make them state-of-the-

1 art, to make them stand tall; not that they weren't
2 before, but I think it would be beneficial to me and
3 others to know what is going on behind the scenes of the
4 FSIS lab system. Because it is so integral to everything
5 we do, whether it be foodborne outbreaks, or pathogen
6 reduction, pathology, residues -- the whole business. A
7 good thorough briefing on what you do and where you're
8 headed would be my recommendation.

9 MS. GLAVIN: That is absolutely a good segue
10 into the final piece of our agenda, which is plans for
11 the next meeting. It is really helpful for you all to
12 provide us suggestions and as we get closer to the next
13 meeting, which will be next fall under current plans, we
14 look at what issues are at an appropriate point that we
15 would most benefit from your advice and counsel, either
16 on briefings or on issues. That is a good subject for a
17 briefing, so thank you for that suggestion. Sandra?

18 MS. ESKIN: I agree with the suggestion that
19 Dan just made, and I also think that Marty's comment
20 about legislation -- that might be a good thing to do
21 either again between the meetings or at the next meeting,
22 to brief us on sort of what is out there in terms of
23 legislation affecting food safety. I also think it would
24 be worthwhile, certainly for me, I know we did discuss
25 very generally new technology, but if there was a
26 possibility of getting briefed on the number of new
27 processes, rinses, whatever that are out there and are

1 being developed to help reduce or eliminate microbial
2 contamination, that would practically be useful so we a
3 sense of what is out there.

4 I also think that since by that time hopefully
5 the comment period would close for the listeria proposed
6 rule, that it might be useful to discuss. Obviously some
7 groups represented here filed comments, but just to get a
8 sense of what is out there in terms of -- to the degree
9 that FSIS can discuss it -- what is the status?

10 And finally I think it would be useful to get a
11 briefing from CDC just on the trends in foodborne illness
12 outbreaks at that point in the fall. What type of data
13 collection they are doing, what they are seeing, and how
14 it compares with the last period of time.

15 MS. GLAVIN: Now those I am hearing as
16 suggestions for briefings?

17 MS. ESKIN: Right.

18 MS. GLAVIN: Okay. Catherine?

19 MS. LOGUE: One of the ones that might be
20 considering as well I think is keeping up-to-date with
21 the National Advisory Committee for Microbiological
22 Criteria. If they would have some kind of briefing again
23 for us on how far they've got with their end of things,
24 so that we are kind of running parallel. That would be
25 nice.

26 MS. GLAVIN: Okay. Alice?

1 MS. JOHNSON: I know that Phil mentioned that
2 they were doing the agency surveying, doing a lot of
3 surveys to follow up on directives, and he said that they
4 had either just completed or were in the process of just
5 starting on the ready-to-eat testing directive, so I
6 think it would be interesting to hear something from that
7 group. And I think that may be the same group that
8 several years ago started the review of HACCP over
9 several years, it was a several-year process --

10 MS. GLAVIN: The evaluation?

11 MS. JOHNSON: Yes, and I haven't heard anything
12 about that over the last few years, and I just wondered
13 where that is going and what is happening with that. It
14 would also be cool if Don's group has anything that they
15 want to share because they should have completed a few
16 more districts by then. What you're finding in some of
17 that information would be helpful.

18 MS. GLAVIN: These are all good ideas. We
19 really have tried to maintain a balance between briefings
20 and substantive work. And I assume that you approve of
21 that balance, but maybe you want to comment on that also.

22 MR. JAN: One of the issues that I would like
23 to see us attack in one of the future sessions, if not
24 next but sometime down the road, and I think we had it up
25 before but it has never gotten anywhere that I can tell,
26 and that is the issue of exemptions. I think the last
27 time we talked about exemptions it led to exempt species

1 and we explored that quite well, but there are products
2 that are exempted just by the kind of products they are.
3 We may even want to look at retail exemption, and some of
4 that I know is under statutory -- but we already
5 mentioned in this meeting about eliminating HRI, but I
6 think we need to look at certain products. Why are some
7 products exempted and why are some not? Maybe look at
8 those reasons again and get some kind of a clear
9 definition of what is exempted, and have some standard by
10 which they are exempted.

11 MS. GLAVIN: You are proposing that as an issue
12 to discuss?

13 MR. JAN: An issue to discuss, I think. I'd
14 like to see that.

15 MS. GLAVIN: Okay. John?

16 MR. NEAL: I would like to continue -- it
17 doesn't have to be an issue, but the update every time on
18 the new technology, especially for the smaller plants;
19 how they'll be adapted, as we spoke of earlier. And
20 anything that might help small plants adapt some of the
21 technology, maybe like pasteurization, but they can't
22 afford the big equipment. Anything new comes along, just
23 a briefing each time.

24 MS. GLAVIN: Okay. Thank you. Irene?

25 MS. LEECH: I'd like to comment on the format
26 and say that I think it is good to have a mixture of
27 issues and briefings, and I think it would be a mistake

1 to go to just briefings. I think the way you've laid it
2 out and spread them is a good way to do that, so that we
3 aren't just -- you can sit but for so long -- I think you
4 all had a well laid-out agenda. And that worked very
5 well.

6 MS. GLAVIN: Thank you. Thank you. Lee?

7 MR. JAN: I've got one other area that has sort
8 of been tossed about but I think FSIS has been trying to
9 develop a policy and has not gotten there yet, and maybe
10 if we put it on as a briefing or as a goal for next time,
11 and that would be how to look at Internet sales of meat
12 and poultry products, and what is the FSIS's position and
13 policy on that.

14 MS. JOHNSON: Since Charles is not here to
15 bring this up again, and it is one of my issues a lot.
16 On the inclusion in the HIMP project of different
17 classes. We talked a little bit about the breeder issue
18 during the HIMP briefing, and I just wonder if maybe --
19 we're told that it is a policy decision that was made
20 some time ago, and maybe it would be advisable to let this
21 committee look at it and see if in the light of the
22 performance standards, if there needs to be revision to
23 the policy.

24 MS. GLAVIN: How is Charles? Is he okay? Has
25 anybody heard from him?

26 MS. JOHNSON: He looked bad at lunchtime and he
27 was on his way back to the valley.

1 MS. GLAVIN: Other ideas, suggestions?
2 Obviously Charlie and his staff are available at any time
3 to receive your comments and feedback. I really do urge
4 you to use that. Things that worked; things that didn't
5 work, that sort of thing. Even some of the mundane
6 things like hotel accommodations -- since we don't stay
7 in them we have no way of knowing whether they are
8 adequate or not. Charlie will not take it ill if you
9 give him feedback, positive or negative, on how the
10 meeting ran for you, what worked, how your accommodations
11 were and that sort of thing. Dale?

12 MR. MORSE: Just a suggestion for future topics
13 on irradiation because it seems like it is going to
14 become an important issue in the future. Just what
15 impact is that going to have potentially? Are people
16 using it? Just some background information on it.

17 MS. GLAVIN: Okay. Anything else? Before we
18 turn to public comment -- Do we have anyone signed up for
19 public comment? -- let me ask is there anyone in the
20 audience who not having signed up would like to make a
21 comment at this time to the committee? Okay, then I
22 would like to personally thank the committee for really
23 hard, good work, and for starting to come together as a
24 working group. I think that you have done really
25 wonderfully in that regard. I thank you for coming, and
26 for those of you who stayed until the bitter end, thank
27 you very much.

1 MS. JOHNSON: I think we need to thank Sonja
2 and Charlie's -- all the people who worked so hard to put
3 this thing together.

4 (Applause.)

5 MS. GLAVIN: Absolutely.

6 (Whereupon, at 3:06 p.m. the meeting in the
7 above-entitled matter was concluded.)

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National Advisory Committee - Meat and Poultry
Name of Hearing or Event

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Docket No.

Washington, D.C.
Place of Hearing

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Date of Hearing

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