

UNITED STATES DEPARTMENT OF AGRICULTURE
MEAT AND POULTRY INSPECTION

**NATIONAL ADVISORY COMMITTEE ON MEAT
AND POULTRY INSPECTION MEETING**

Columbia Room
Holiday Inn Capitol at the Smithsonian
550 C Street, SW
Washington, D.C.

Wednesday, November 6, 2002
8:30 a.m.

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8:45 a.m.

Welcome

MR. GIOGLIO: Good morning. I would like to call the Fall 2002 Meeting of the National Advisory Committee on Meat and Poultry Inspection to order.

My name is Charles Gioglio from the Food Safety Inspection Service. I'd like to call the meeting to order.

Before I do that, I'd like to simply go over a few of the housekeeping issues that we have. First of all, as usual, the FSIS staff are here to help the committee members with any material that you need or anything else. So that, if we can help make this meeting more successful for you and for us, please let one of us know.

Also, if I can remind folks that cell phones and pagers should be on vibrate and so forth during the meeting sessions, that would be helpful. For committee members, we do have a telephone out at the registration table. I'll give you that number that you can give to your offices so that if they need to contact you during this session, one of our FSIS staff will come and give you that message as soon as they can. That number, if you want to know it, is 202-479-4000, and the extension

1 is 7188.

2 Inside the left-hand pocket of your notebooks
3 is the agenda and we have a very full agenda for this
4 meeting. Dr. McKee will go over it in a little bit
5 more detail in a few moments. I'd like to point out
6 that it has an insert. The solid page, back and front,
7 is today's agenda, and the insert is for tomorrow.
8 Subcommittee Assignments are behind Tab 3 in your
9 notebooks.

10 Two other things I need to point out. One,
11 the microphones this time are not voice-activated. So,
12 you do need to turn them off with the button down at
13 the bottom. So, please do that. Remember, please, to
14 state your name so that our recorder can keep the
15 record straight. So, state your name before you begin
16 to speak, and, you know, when we get into the session
17 as usual, please hold up your cards so I can, you know,
18 keep speakers in order.

19 With that, I would like to turn the
20 proceedings over to Dr. Garry McKee, the Administrator
21 of Food Safety Inspection Service, who will chair this
22 meeting.

23 Dr. McGee?

24 Opening Remarks

25 DR. MCKEE: Thank you, and good morning.

1 I want to welcome you on behalf of USDA and
2 the FSIS. For me being here a little over two months,
3 I'm still learning my way around and meeting new faces
4 which I hope to meet many today. By now, I've gotten
5 over the shock of transition from Union County in
6 Wyoming with a population of 55,000 people to commuting
7 in a metropolitan area with nearly 5.5 million people.

8 Soon after I arrived at the job in
9 Washington, we were charged with handling the largest
10 recall in USDA's history. The shock of that was
11 quickly paled into the enormous responsibility I see
12 this agency carrying out to protect the nation's public
13 health. I accepted this position on my profound desire
14 to protect public health and to challenge myself. I've
15 had more than 30 years of public health experience at
16 the state level, but I'm now committed to making an
17 impact on public health policy decisions at the
18 national level.

19 For me, if I may use a football analogy, the
20 whole playing field has changed. I have moved from
21 coaching the team of 1,500 public health professionals
22 in Wyoming and directing policies that affected nearly
23 500,000 people who are residents in the state, and now
24 I am coaching a team of nearly 2,000 professionals and
25 affecting policies that have an impact on nearly 300

1 million people across this nation. Now, that is a
2 much, much bigger playing field.

3 No matter how large the stakes are, all teams
4 go out to win, but the one thing that does not cross
5 over in the football analogies is the fact that we in
6 the public health field always need to win. Unlike
7 football games, we cannot walk off the field with a
8 loss. Whether we are a state or federal program, our
9 mission is the same: to protect the public health.

10 I'm up to the challenge that is set before me
11 and it invigorates me no matter how difficult it is.
12 Last month, I met with supervisors and managers of the
13 FSIS field team in Dallas and I spelled out my vision
14 for the agency. This vision is to build FSIS into a
15 recognized credible public health agency that is a
16 model for all other public health institutions. FSIS
17 has already laid a solid foundation for an ever-
18 improved food safety system, and this committee's work
19 and expertise in the past has certainly been
20 instrumental in helping us fulfill our common goal to
21 improve food safety.

22 For FSIS to fulfill its vision, there are
23 three components that are successful public health
24 models that we need to attain. They are assessment,
25 policy development, and assurance. For assessment, we

1 need to assess public health problems using science.
2 These activities include surveillance, identifying
3 needs, analyzing the cause of problems, collecting and
4 distributing data, case findings, monitoring,
5 forecasting trends, research and evaluation of
6 outcomes.

7 Once the assessment is done, we then need to
8 develop and implement policies that reduce the risk of
9 food borne illness. Some examples of policy
10 development activities include planning and priority-
11 setting, the development of regulations, directives,
12 and other policy vehicles, mobilizing resources,
13 training, constituency-building, and distribution of
14 public information and encouragement of public and
15 private sector cooperation.

16 Finally, we need to assure the public that
17 FSIS is a credible public health agency. We do this by
18 seeing to the implementation of legislative mandates as
19 well as the statutory responsibility that we have. One
20 way is through a strong program. We need to assure the
21 American public that USDA marks of inspection found on
22 meat, poultry and egg products means what it says.
23 There are the components -- these are the components of
24 a successful public health agency that I spelled out to
25 our supervisors and managers last month. We are

1 holding ourselves accountable to fulfill our vision and
2 ensure the public health of the American people.

3 We're also holding industry accountable. At
4 the AIMH annual convention a couple of weeks ago in New
5 Orleans, I clearly indicated that in order to protect
6 the nation's public health, we will enforce HACCP.
7 Industry will be held responsible for operating under
8 the Pathogen Reduction HACCP Models, that a cut and
9 paste or minimalist approach to HACCP will no longer be
10 tolerated.

11 As I said to the AIMH two weeks ago, a HACCP
12 plan standing alone is useless if all it amounts to is
13 a ream of paper. For plants to ignore HACCP is to put
14 the public's health at risk and that is simply
15 unacceptable. We are setting the bar high. Plants
16 need to produce the safest food possible. We also need
17 to hold ourselves accountable when we enforce HACCP.
18 The public health of Americans is Priority Number 1.

19 With that said, I'm very grateful to be here
20 at this constructive two-day meeting and to get to know
21 each of you as the meeting proceeds. As I said to our
22 managers in Dallas and at the AMI in New Orleans a
23 couple of weeks ago, we are inclusive. We are open to
24 change and new ideas to improve food safety and public
25 health. This committee's work and recommendations are

1 vital to our efforts to make our mission of becoming a
2 public health agency that is the top agency in the
3 nation.

4 The last committee made valuable
5 recommendations to the states on issues such as new
6 technologies in meat and poultry operations, the Farm
7 Security and Rural Investment Act of 2002, commonly
8 known as the Farm Bill, and the FSI field workforce.
9 We're very grateful for these recommendations and
10 taking these into consideration for our policy-making
11 process. That is why we look forward again to getting
12 your advice and input today and tomorrow on the
13 important issues that we are wanting to identify and
14 ones that are critical for us to evolve into a credible
15 public health agency.

16 In my short time at FSIS, I've already found
17 a high level of commitment from field inspectors to
18 headquarters staff in Washington which has helped us to
19 evolve into a first-class credible public health
20 agency. I'm also extremely grateful to be working for
21 Agriculture Secretary Ann Veneman who has a huge
22 commitment to protect and enhance and promote public
23 health and working with such gifted scientists from the
24 Office of Food Safety, Deputy Under Secretary Dr. Merle
25 Pierson, and our next speaker, Under Secretary Dr. Elsa

1 Murano.

2 Would you please join me in welcoming Dr.
3 Murano here this morning?

4 Dr. Murano?

5 (Applause)

6 Meeting Agenda

7 DR. MURANO: Thank you, Dr. McGee. Good
8 morning.

9 Excuse my raspy voice. I'm suffering from
10 the flu after having gotten a flu shot.

11 Welcome to Washington on the morning after
12 Election Day. Some of you may not have gotten much
13 sleep. As I understand it, the final results didn't
14 come in until way past my bedtime which is 9:00. So,
15 welcome.

16 I would like to welcome you certainly on
17 behalf of Secretary Veneman to this second meeting of
18 the National Advisory Committee on Meat and Poultry
19 Inspection that you've held this year. The last time
20 you met, we had built a strong leadership team and
21 streamlined the organization of the Food Safety
22 Inspection Service to be more efficient but also more
23 amenable, as Dr. McKee just explained to you.

24 I believe that your participation on this
25 committee is one of the keys to our success. Your

1 presence here demonstrates your willingness to develop
2 public policy; that is, people working in a public and
3 private sector partnership to reach consensus on
4 important issues to be used with sound science.

5 The fact that industry, consumer advocacy
6 groups, government officials, and academia are all
7 represented here today underscores the fact that this
8 committee is a true cross-section of the American
9 public and its highly-varied interests. I appreciate
10 all the time you devote to helping us in this mission,
11 and as many of you may remember, I was also a member of
12 this committee prior to my USDA appointment. So, I do
13 know firsthand the important work that you do, and so I
14 do want to thank you for your time and effort.

15 I mentioned a meeting just a moment ago, and
16 I would like to spend a little time telling you
17 tomorrow about our new Administrator's efforts. First,
18 I cannot express to you enough how delighted I am that
19 he is working with us, that he's on board. He is the
20 chair of this committee. He has a long career as a
21 public health official, and I know him to be an
22 excellent microbiologist and a dedicated public health
23 servant. So, I am just absolutely thrilled to have him
24 directing the activities of the FSIS.

25 Certainly the addition of Dr. McGee bolsters

1 an already-strong team at headquarters which includes,
2 as Dr. McKee mentioned, Dr. Merle Pierson, my Under
3 Secretary for Food Safety, Deputy Under Secretary for
4 Food Safety, and Ms. Linda Swacina, Associate
5 Administrator of FSIS, who will be joining us a little
6 bit later. Together, we have what I believe is a
7 historic opportunity to create a world-class public
8 health agency that is second to none and we will.

9 On your agenda for this meeting, if you've
10 had a chance to peruse your notebook, includes various
11 tasks that we need your help on. You have been asked
12 to review and make recommendations to the Secretary of
13 Agriculture on for issues. These are education and
14 training of field workforce, to help us achieve the
15 public health vision, 0157:H7 developments, and
16 procedures for evaluating state meat and poultry
17 inspection programs. Certainly the coming session will
18 be full of information and opinions on these subjects
19 and we welcome a lively deliberation.

20 I would like to take a few minutes to speak
21 about some of the issues in hopes of providing a
22 context for your considerations. First, I think most
23 of the people here today will agree that the best way
24 to protect the public's health is through a science-
25 based approach to food safety policies. We're not

1 looking to unnecessarily complicate things. I think
2 things are complex enough when we consider the myriad
3 of factors that can affect contamination of meat and
4 poultry, even in pre- and post-harvest food production
5 environments.

6 The complexity of these environments
7 certainly presents a host of challenges in trying to
8 determine the best strategies that can be applied to
9 minimize or eliminate pathogens from our food supply.
10 One could say that we are confronted with a disturbing
11 fact, which is that controlling all potential sources
12 of microbiological contamination from farm to table is
13 virtually impossible. So, while I reluctantly
14 acknowledge the difficulty at hand, I am committed to
15 expending all efforts to reducing pathogens to the
16 lowest possible levels in order to enhance the health
17 status of consumers.

18 So, how can we best accomplish this shared
19 goal, and can we actually find the next generation of
20 food safety protections? Well, in my view, we need to
21 have a better understanding of the factors that lead to
22 microbial contamination. Only when we comprehensively
23 identify and document the potential entry points of
24 pathogens can we fully open the door to controlling
25 food borne contamination. We need to better know our

1 common enemy.

2 The best way for building effective
3 interventions is through the science of risk assessment
4 which will tell us how those practices may contribute
5 to the introduction as well as the microbial
6 contaminants. This approach builds a bridge of the
7 threats that may be aggravated by certain
8 circumstances. This is what some people call a threat
9 index.

10 Well, as most of you know, since the 1990s,
11 FSIS has successfully bridged risk assessments to help
12 preventive management strategies. The E.coli 0157:H7
13 risk assessment was conducted by our predecessors and
14 is a good example of an attempt by them to determine
15 the likelihood that this pathogen may contaminate
16 ground beef during processing. For our part, the Bush
17 Administration has continued and expanded upon this
18 approach. Harvard University under contract to USDA
19 completed a risk assessment for the introduction of FMC
20 in this country. A similar analysis has been planned
21 for determining the risk of Salmonella contamination in
22 ground beef and poultry, and as you all know, we are in
23 the process of conducting a risk assessment on Listeria
24 monocytogenes in ready-to-eat meat and poultry products
25 during processing.

1 In order to be most effective, I believe that
2 a risk assessment cannot really stand alone. As soon
3 as I began my tenure at USDA about a year ago, I
4 implemented or introduced a tool that scientists like
5 me depend on in academia and that is the tool of due
6 process. So, we decided early on that risk assessment
7 should be subjected to peer review in order to ensure
8 that the conclusions drawn by the assessments are sound
9 and those can be used to develop risk management
10 strategies that will work.

11 That is exactly what you will be hearing
12 later this afternoon when the National Academy of
13 Sciences comes and presents its overview of the peer
14 review that they have conducted of the E.coli 0157:H7
15 risk assessment that they have done. So, when these
16 risk assessments are completed, it is crucial that we
17 base policy decisions on these valuable and instructive
18 models.

19 However, there are times when a risk
20 assessment is not available due to lack of sufficient
21 data to develop a robust model. So, in the absence of
22 this, we must utilize the best available science until
23 a strong risk assessment can be conducted. An example
24 of this is FSIS policies on the *Listeria monocytogenes*
25 that have been implemented both by the previous

1 Administration and by the current Administration of
2 USDA.

3 The issue of dealing with Listeria
4 monocytogenes by FSIS has been based on testing the end
5 product by the agency and to verify whether SSOPs
6 implemented by industry are effective. Certainly the
7 events of the last month demonstrate that this approach
8 is not completely adequate. Testing of product failed
9 to prevent the outbreak of Listeriosis in the
10 Northeastern United States and it failed to catch the
11 contaminated product that led to the outbreak until
12 after an exhaustive investigation that we conducted in
13 accordance with the Centers for Disease Control and
14 Prevention. This one investigation has involved more
15 than 50 scientific and technical experts from FSIS
16 alone with more than 400 laboratory samples having been
17 taken in order to identify the likely sources of the
18 outbreak. As you may have read in the recent press,
19 the investigation is certainly still on-going and we
20 and our partners at CDC will not rest until we have
21 identified all sources of that outbreak.

22 As I have expressed in other speeches,
23 scientific evidence demonstrates that we cannot test
24 our way out of food safety problems. In fact, we
25 cannot test enough product to find all the Listeria

1 monocytogenes that is out there threatening food safety
2 and the public's health. The testing must be coupled
3 with preventive and decontamination measures. In
4 addition, testing must be done in a way that focuses on
5 the most likely sources where this organism may be
6 harbored in order that we may prevent its entry into
7 the food supply wherever possible.

8 So, prevention must focus on addressing the
9 critical entry points in processing systems for
10 Listeria monocytogenes and then testing to ensure that
11 interventions are working as designed. The best way to
12 determine the entry points is through the use of an
13 assessment which is exactly why we are undertaking this
14 task. In the process, though, we are collecting more
15 samples and generating more data to develop a model
16 that will absolutely predict the risk of finding the
17 organism in a specific situation.

18 I have every confidence that we are following
19 a sound and responsible route for Listeria
20 monocytogenes results, but it can be augmented in the
21 interim with industry's help. Far more data is being
22 collected by industry on its issues such as
23 environmental sources than FSIS could ever hope to
24 generate. Until the risk assessment is completed, it
25 would be of great value to increase the number of

1 results that can be shared with FSIS in order for us to
2 determine the effectiveness of the efforts in
3 preventing contamination of ready-to-eat product with
4 *Listeria monocytogenes*.

5 In the coming days, you will hear how we will
6 operate in the interim period utilizing testing in a
7 way that focuses on finding the organism and the
8 environment at plants producing ready-to-eat product at
9 the highest risk of contamination to prevent to the
10 greatest extent possible the presence of these
11 pathogens in product due to contact with contaminated
12 sources.

13 When the risk assessment is completed, then
14 we will move expeditiously to finalize the proposed
15 rule. Upon completion, I believe we will have a
16 scientifically-based rule that will successfully reduce
17 the risk of contamination of ready-to-eat product with
18 *Listeria monocytogenes*.

19 Again, before I lose my voice completely, I
20 do want to extend my thanks to all of you for your time
21 and your efforts. I look forward to these couple of
22 days. We do value your thoughts, your comments, your
23 questions, your suggestions as we strive to meet our
24 goals and to become the premier public health agency in
25 the Federal Government.

1 Thank you very much. I will return the
2 microphone again to Dr. McKee.

3 DR. McKEE: Thank you, Dr. Murano.

4 Before we get started, I want to ask each of
5 you to introduce yourselves and tell us a little bit
6 about what you bring to this committee, your point of
7 view, and what you're interested in. I know that for a
8 lot of you, you may have already met each other, know
9 each other, but basically for me, I think it would be
10 valuable to go around the room at this point.

11 Let's start with you, Dr. LaFontaine. If I
12 mispronounce your name, feel free to correct me on it.

13 That's correct? Okay. Great.

14 DR. LaFONTAINE: I'm Dr. Dan LaFontaine. I'm
15 the Director of the South Carolina State Program, South
16 Carolina Meat and Poultry Inspection Department, and
17 I've had the good fortune to be on this committee for
18 three terms. So, this is my third term, one of the
19 old-timers, and as far as topics, anything that
20 involves meat and poultry, of course, involves our
21 state programs distinctly. So, myself and two other
22 colleagues have a very vested interest in what policies
23 FSIS is developing and how we implement those.

24 MS. ESKIN: My name is Sandra Eskin. I'm an
25 attorney and I do food safety work for AARP. I also

1 handle a range of consumer protection issues, both for
2 AARP and other public interest groups, and I believe
3 that one thing that I'd like to discuss in the context
4 of what's on the agenda is the E.coli risk assessment,
5 the impacts of food borne illness on sensitive
6 populations, like older Americans, and I'll also
7 hopefully have some time during these two days to talk
8 a little bit more about what has happened vis a vis
9 Listeria outbreaks over the last few months.

10 MR. GOVRO: My name is Michael Govro. I'm
11 with the Oregon Department of Agriculture. I'm the
12 Systems Administrator of the Food Safety Division, and
13 I'm on this committee as a representative of a state
14 that does not have a meat and poultry inspection
15 program. I'm interested in pretty much everything
16 that's on the agenda.

17 MR. HOLMES: My name is Marty Holmes. I'm
18 the Executive Vice President of the American Meat
19 Processors Association. Our members primarily are
20 state operations and meat grinders for wholesale
21 restaurants and food service. I've been here for five
22 years now. Prior to that, I was with the Southwest
23 Meat Association of Texas for eight years.

24 MR. LINK: My name is Charles Link. I'm
25 Director of Technical and Regulatory Affairs for

1 Cargill Turkey Products. So, I guess from an industry
2 perspective, maybe the meat industry, I don't know, we
3 do a lot of turkey. Been in this business for a little
4 over 20 years. I'm at the end of my first term on the
5 committee.

6 MR. MAMMINGA: My name is Mike Mamminga with
7 the Iowa Department of Agriculture, Meat and Poultry
8 Inspection Bureau Chief. I've been with the program 31
9 years. This is the end of my second term on this
10 committee, and in the state program, we're interested
11 obviously in safety, food safety, whether it be in the
12 state inspection environment, the federal inspection
13 environment. I think we're also very interested in how
14 we can enhance our relationship with USDA.

15 MS. FOREMAN: Good morning. My name is Carol
16 Tucker Foreman. I'm Director of the Food Policy
17 Institute of the Consumer Federation of America. The
18 Consumer Federation is an organization that represents
19 over 300 local, state and national consumer
20 organizations, including groups like AARP and Safe
21 Tables Our Priority, a number of consumer cooperatives
22 and farmer cooperatives. I'm finishing my third term
23 on the committee. So, this is my last meeting,
24 something that will probably cause some relief on the
25 part of people here. But I might come back to visit

1 you. I have been following these issues since 1975.
2 So, I've been around for a long time.

3 I would like to know, since Dr. Murano
4 doesn't have a voice today, there are some issues
5 raised in the comments, Dr. Murano, that I would like
6 to address and would like a chance to discuss some time
7 during the meeting.

8 Thank you.

9 DR. JAN: I'm Dr. Lee Jan from Texas
10 Department of Health, and I'm Director of the Texas
11 Meat and Poultry Inspection Program, and like my other
12 food colleague in the state programs, I'm certainly
13 interested in FSIS policy and how FSIS carries out its
14 mission because again we have the same goals for food
15 safety as you do and we want to be able to participate
16 in developing any of these -- dealing with
17 controversial issues that may help provide a policy
18 that is logical.

19 DR. DENTON: I'm Jim Denton, Professor with
20 the Poultry Center of the University of Arkansas. I
21 had the distinct privilege of replacing of Dr. Murano
22 on the committee after she was elevated to the position
23 as Under Secretary for Food Safety.

24 In my years of service prior to my current
25 appointment, I was the department head and Director of

1 the Poultry Center at the University of Arkansas with
2 32 faculty members and about a 180 support staff
3 dealing with issues, among them being the food safety
4 issues. Prior to that time, I had a 20-year career in
5 extension education at Texas A&M University, having
6 been trained as a foods microbiologist with a specialty
7 in the physical process. I've spent a great deal of
8 time in my career working with education within the
9 poultry industry, education within food service, and
10 also education with the consumer organizations.

11 I currently have the privilege of serving on
12 the Steering Committee for the Food Safety Consortium
13 in Animal Products Research as well as the Chairman of
14 the Operations Committee for the National Alliance for
15 Food Safety. So, food safety is something that's been
16 very near and dear to my heart for the past 32 years.
17 I think like Carol in 1975, my career started about
18 1972. So, we share a long, long interest in this
19 issue.

20 MS. DONLEY: I'm Nancy Donley, and I'm a real
21 estate broker in Chicago. So, maybe I'm at the wrong
22 meeting here. That's how I pay the bills. I'm also
23 President of Safe Tables Our Priority. We are a food
24 borne illness victims organization that started back in
25 1993, back after the Jack In the Box E.coli 0157:H7

1 epidemic that sickened over 700 people and four
2 children died. My own son died right after that
3 epidemic in Chicago also of 0157:H7.

4 Our mission and what we're interested in
5 doing is working with the victims. We put the faces
6 behind the statistics here. That's our role, is to
7 kind of remind everyone that we're talking about things
8 like policies and ideas that can and will save lives,
9 and if we can do anything, I -- we want to work with
10 government, with industry, with academia, for ways that
11 we can put forth the public health mission that we've
12 been hearing about today. I'm very, very grateful to
13 have Dr. McKee as the public health professional
14 heading up this very, very important agency, and Dr.
15 Murano's comments that it's going to be public health
16 focused and the leader in the world in this particular
17 issue.

18 Like Carol, I may not be around the table,
19 but I'll be in the back.

20 MR. PAULSON: I'm Myhre Paulson with OPPD.

21 MS. HICKS: I'm Cheryl Hicks with the Office
22 of Field Operations.

23 DR. LEESE: I'm Bill Leese. I'm the Director
24 of Federal-State Relations within FSIS. As you
25 probably realize, under the Poultry Products Inspection

1 Act and the Federal Meat Inspection Act, FSIS has the
2 responsibility to go assess state programs and to
3 provide support and guidance to those programs.

4 MR. MAJKOWSKI: I'm Jesse Majkowski, Acting
5 Assistant Administrator for the Office of Food Security
6 and Emergency Preparedness. I'll be talking to you in
7 a little bit about what our new office is doing. I
8 think one of our major interests here is how we can --
9 our office can assist you in our efforts.

10 MR. GIOGLIO: I'm Charles Gioglio. I'm
11 obviously the Executive Secretary of this committee.
12 My other role is I'm the Director of the Inspection and
13 Enforcement Initiatives staff within the Office of
14 Policy for the agency.

15 MS. SWACINA: I'm Linda Swacina, Associate
16 Administrator.

17 DR. PIERSON: My name is Merle Pierson. I'm
18 Deputy Under Secretary for Food Safety.

19 DR. MCKEE: Thank you very much for those
20 introductions.

21 I'd like to review the new agenda for today
22 and tomorrow to give you an overview. We'll start off
23 this morning with a Briefing on Food Security from our
24 Acting Assistant Administrator for the Food Security
25 and Emergency Preparedness Activity within the

1 Department.

2 Then we'll have a break, and then we'll
3 reconvene to start the discussion of the issue to be
4 examined by the subcommittee, Subcommittee Number 3,
5 and that is the Procedures for Evaluating State Meat
6 and Poultry Inspection Programs. I'll kick that
7 discussion off, and then we'll hear from Dr. William
8 Leese in the Office of Field Operations and go over the
9 status of the review of the state programs that were
10 stipulated in the recent Farm Bill. Finally, during
11 this session, Mr. Ralph Stafko from the Office of Food
12 Security and Emergency Preparedness will give us a
13 presentation on the new document "Procedures for
14 Evaluating State Meat and Poultry Inspection Programs".

15 After that, we'll head straight into the
16 discussion of the issue to be examined by Subcommittee
17 Number 1, which is Education and Training of the Field
18 Workforce to Achieve a Public Health Vision. This
19 discussion will be led by Ms. Cheryl Hicks and Mr.
20 Myhre Paulson.

21 Then we'll break for lunch and reconvene for
22 the briefing by Linda Swacina on the FSIS
23 Reorganization. After Ms. Swacina's presentation,
24 Commander Judith Arndt and Lt. Commander Kimberly
25 Elenberg from OPHS will lead a Briefing on FSIS

1 Consumer Complaint Monitoring Systems.

2 Then we'll take a short break at that point
3 before we reconvene for a Legislative Update from
4 Acting Assistant Administrator for Communications Bryce
5 Quick. After Mr. Quick's presentation, we'll get a
6 Briefing from Ms. Gerri Ransom of the Office of Public
7 Health and Science on the National Advisory Committee
8 for Microbiological Criteria Foods.

9 Next, Dr. Dan Engeljohn will lead a
10 discussion of our third and final issue today, E.coli
11 0157:H7 Developments. After Dr. Engeljohn's
12 presentation, we'll have Dr. Michael Doyle, who is
13 appearing on behalf of the National Academy of
14 Sciences, give us the final briefing of the day on
15 E.coli 0157:H7 in Ground Beef - Review of the Draft
16 Risk Assessment.

17 We'll wrap up this afternoon's briefing and
18 discussion with about 20 minutes allotted to Public
19 Comments. For those interested in providing public
20 comments, it would be very helpful if you would notify
21 Ms. Sonya West.

22 Starting at 7 p.m. this evening, the three
23 subcommittees will convene for two hours. Dr. Dan
24 LaFontaine, the Assistant Director of the South
25 Carolina Meat and Poultry Inspection Department, will

1 lead Subcommittee Number 1 on the issue of Education
2 and Training of Field Workforce.

3 Dr. Mamminga, who is the Chief of the Iowa
4 Department of Agriculture and Land Stewardship, Meat
5 and Poultry Inspection, will lead Subcommittee Number 2
6 on the Issue of E.coli 0157:H7.

7 Dr. Lee Jan, who's the Director of the Texas
8 Department of Health and Food Safety, will lead
9 Subcommittee Number 3 on the Issue of Procedures for
10 Evaluating State Meat and Poultry Inspection Programs.

11 Tomorrow morning, we'll get started again at
12 8:30, and each subcommittee will provide a briefing on
13 their schedule and recommendations from their sessions.

14 Subcommittee Number 1 will have one hour to give us
15 their briefing of their meeting session and that will
16 start at 8:45 a.m.

17 Then we'll take a little break and reconvene
18 for a two-hour briefing on the HACCP Models Project,
19 more commonly known as HMP.

20 Dr. Jeanne Axtell will -- from the Office of
21 Management and Dr. Perfecto Santiago from the Office of
22 Policy will lead us in our discussions.

23 We'll break for lunch at 12:30 p.m. and then
24 reconvene at 1:30 for Dr. Mamminga's Briefing on
25 Standing Subcommittee Number 2's recommendations from

1 the evening session. That will be followed by Dr.
2 Jan's presentation at 2:30 on Standing Subcommittee
3 Number 3's recommendations from their meeting session
4 as well. After that, we'll break, and if there is no
5 public comment, we will adjourn.

6 Before we get started today, when we close,
7 we'll also have a brief presentation to the departing
8 members of the committee as well.

9 Are there any questions?

10 (No response)

11 DR. McKEE: Okay.

12 Briefing - Food Security

13 MR. MAJKOWSKI: Good morning. It is a
14 pleasure to be here. I'm going to try to give you a
15 brief overview of what we're doing in the area of food
16 security which is very, very different from the area of
17 food safety which I have been in for some time, dealing
18 with classified documents, classified briefings, not
19 being able to tell my bosses where I'm at, which is
20 kind of nice at times, and not being able to tell them
21 what I read and having them trust that I'm telling them
22 is the truth.

23 So, the other interesting thing is I've done
24 this talk a number of times in presenting this
25 information out to industry and so forth, but today, I

1 have the opportunity to present it to my bosses, and so
2 I'll try not to make any fumbles or stumbles as I go
3 along here.

4 We have an Office of Food Security and
5 Emergency Preparedness. This afternoon or this morning
6 some time, Linda's going to talk about the new
7 organization, but let me take you back to 9/11.
8 Shortly after 9/11, food security was the furthest
9 thing from our minds, and after 9/11, we began to
10 realize as a department and as an agency we needed to
11 do something about food security. Shortly after that
12 event occurred, we formed the Food Biosecurity Action
13 Team in the agency, and we were taking a look at what
14 do we need to do to provide food security.

15 From that point, we moved to looking at the
16 need for an office. With the demands the Department
17 was putting on us in terms of food security and
18 representatives of departments and other government
19 agencies as well as to the industry, we realized that
20 we needed a full program to be doing that. So, I'm
21 going to be talking a little bit about that and giving
22 you a little brief history about food security,
23 bioterrorism and so forth.

24 There is a history of bioterrorism. If you
25 take a look at the slide here, we've had some

1 biological weapon programs from the '50s on up through
2 the '90s. In the U.S., we had foot and mouse disease.

3 The USSR, former Soviet Union, has had a number of
4 programs. There's a lot of concern about the
5 agents/reagents that were used in their programs, where
6 are they, who has them, where have the scientists gone
7 that have been working on them, and in terms of the --
8 Iraq, the wheat stem rice. Where are we with that?
9 And camel pox. These are just some of the biological
10 weapons that were there in the past and some of our
11 concerns.

12 There have been a number of recent terrorist
13 events that you're probably well aware of. When you
14 look at these events, the World Trade Center, Oklahoma
15 City, U.S. embassy bombings in Africa, World Trade
16 Center, the Pentagon, and the plane crash in
17 Pennsylvania, all of them have a common thread.
18 Explosives were used to blow up things or facilities or
19 structures. The Rand Corporation has been studying how
20 terrorists have been reacting and acting throughout the
21 world for the past 20 years. Their analysts tell us
22 that right now, they're at the -- the terrorists are at
23 the mode of -- the sophistication mode of being able to
24 coordinate attacks. The question is will they move
25 beyond that to the next level of using any chemical,

1 biological or radiological agents?

2 Well, what about the food supply, and what
3 about attacks on the food supply? You can think of
4 this in two ways. One is that this could affect our
5 national defense as well as the citizenry here, too.
6 When you look at what can occur, we could have a
7 disruption of the food supply without any deaths,
8 threats that could be made against the food supply. We
9 could see the destruction of brand names. We think
10 back many -- several years ago, if you remember
11 Vichyssoise Soup. They had a bot problem with their
12 canning process. That brand disappeared. What would
13 happen should there be an attack on a specific brand,
14 one of the large industries or corporations?

15 We could also see an attack based on trying
16 to get some economic gains on the futures markets.
17 Think back to about four or five months ago where we
18 had a report of foot and mouth disease, an animal being
19 tested in a Kansas feedlot. That was the only news
20 that came out that morning out of the feedlot, that an
21 animal was being tested. The futures market lost \$50
22 to \$100 million that day on an erroneous rumor. So,
23 the economics of this are extremely important.

24 One of the other problems we would foresee on
25 an attack on the food supply is the ability to

1 distinguish between a natural and an intentional
2 attack. I know you're going to be dealing with 0157
3 and Listeria and someone has mentioned Listeria
4 outbreaks. Think of the outbreaks that have occurred
5 for the past year or so. What's the connection? Are
6 they unintentional or are they intentional? This would
7 be the issue that would be facing us.

8 And secondly, when you think about food,
9 think of it as a very, very easy target. How many had
10 some of the pastries out there today? Anyone could
11 have gone by and spritzed them with Salmonella. Look
12 at the salad bars that you have in the retail
13 marketplace. Go to any truckstop and take a look at
14 the food trucks that are parked there, tanker trucks
15 with milk or corn syrup going on to other facilities.
16 So, food could be the -- the food supply could be a
17 very, very easy target.

18 We have had some attacks on the food supply,
19 and I'd like to run through some of these just to give
20 you a sense of what has happened in the past, and this
21 list is probably not all inclusive, you know. There
22 may be others that you're aware of. Insurgents in
23 Kenya were poisoning cattle. The reason they were
24 doing that, the British soldiers were there in that
25 country and they were trying to poison the soldiers.

1 In '78, we had Palestinian commandoes contaminating
2 citrus with mercury, again targeted at the military.
3 In Indonesia, tea exports were threatened. In '89,
4 breeders were planning the release of fruitflies in
5 California.

6 We had the incident in '89 with Chilean
7 grapes that were contaminated, and in addition to that,
8 in '96, we had an event that occurred in the lab,
9 Shigella in doughnuts at a lab. A disgruntled worker
10 at a hospital was upset with his -- I guess what was
11 happening there and decided to provide doughnuts to all
12 his fellow workers and laced them with Shigella.

13 There have been other attacks, too. Probably
14 one of the more famous ones and this was featured on
15 Dateline several months ago was the Salmonella on salad
16 bars. That occurred back in '84. It was in Oregon.
17 This was the Riniche cult that had a community outside
18 a small town there. The town was having a local
19 election to elect council members. The cult members
20 decided to go around to the various restaurants at that
21 time in '84 and were spritzing the salad with
22 Salmonella. I think 700 to a thousand people became
23 ill, and if you saw the Dateline program, they claimed
24 that it was one of the first attacks on the food supply
25 or biosecurity attacks.

1 The interesting thing about that attack was
2 all that we knew at that time was that there were a
3 number of people ill from eating at the salad bars. No
4 connection could be made. If you think back to what
5 was happening in '84, we didn't have the DNA patterning
6 at that time. We couldn't relate clusters. Clusters
7 were there. Was it an outbreak in terms of the DNA
8 patterns? How they discovered that this was an attack
9 was when they arrested -- several months later, there
10 was an arrest of one of the cult members, and they
11 admitted that they had been spritzing the salad bars.

12 In Japan in '94, we had the release of Sarin
13 gas in the Tokyo subway. In '95, there was the anthrax
14 obtained illegally. It wasn't used, but it was
15 obtained. Again, that raised a blip on the radar
16 screen. Think about the anthrax mail, what that did to
17 our confidence in how we handle mail, let alone in the
18 Federal Government, our mail was delayed for months
19 while it was screened and x-rayed. So, an attack on
20 the food supply could have a serious effect on the
21 economy, national defense, and on the citizenry.

22 Well, USDA has been working in the area of
23 bioterrorism. Did we just start on 9/11 and 9/12? No.
24 We've been working on this for some time. Back in
25 '98, the former Administration, President Clinton at

1 that time, had read a book on the weekend, a fictional
2 book about an attack in the U.S., a biological attack,
3 and issued a series of presidential directives for all
4 the agencies to begin working on protecting the
5 critical infrastructures that would be within a day-to-
6 day basis.

7 At that time, we chaired the Agricultural and
8 Food Safety Weapons of Mass Destruction Subgroup. We
9 had scientists of ARS that were working on these
10 issues, looking at these biological agents. We also at
11 USDA had formed a USDA Counterterrorism Task Force at
12 that time. This is just to give you a sense that we
13 didn't just start in 9/11. There's been a lot of work
14 that has been gone into this area and we've been
15 building on it for some time.

16 We have had a number of federal efforts just
17 recently. We had about \$325 million provided to USDA
18 for our biosecurity/bioterrorism efforts. FSIS
19 received about \$16 million, APHIS and ARS each got
20 about a \$100 million. The Secretary's Office got about
21 \$85 million. Some of that money was given out to
22 states in grants.

23 I was at a meeting a couple of weeks ago
24 where some people in the ARS were talking about the
25 money that they received, and they called their 100

1 million pocket change in terms of the amount of money
2 available. So, I guess our 16 million wasn't that
3 much, but we are utilizing it.

4 In addition to that, we have the Office of
5 Homeland Security. You notice here I have the
6 department because we've been talking about this,
7 talking about the Office of Homeland Security. The
8 legislation is up on the Hill, and we thought it would
9 get passed relatively quickly. The question that comes
10 to me many times is will -- is FSIS going to be part of
11 that or some portion of it? Currently, as the
12 legislation is written, we are not part of it. A
13 portion of APHIS at the borders will be involved in the
14 Department of Homeland Security.

15 That leads me into advisories, and I think
16 we've all heard about the various codes, code alerts,
17 that have gone on, especially during the week of 9/11.

18 But there's some things that I think that you need to
19 understand about this. First off, the alert system is
20 assigned by the Attorney General and there are five
21 sections, and I'll speak a little bit more about those
22 in a second.

23 Also, in addition to the threat level,
24 there's a type of threat. Is it nationwide? Is it
25 geographic or is in the industrial sector? Shortly --

1 I guess on the week of 9/11, Secretary Ashcroft came on
2 in a news conference and announced that he was raising
3 the rate to high alert for certain sectors which did
4 not involve the agriculture sector. It's very
5 important when you hear these alerts to listen to what
6 sectors are involved, whether it's nationwide or
7 whether it's geographic. We are prepared to react
8 should that alert involve the agriculture sector or the
9 food sector.

10 These are the threat conditions. Low is
11 green. There's a low risk of a bioterrorism attack.
12 Blue being guarded, general risk. Elevated, yellow,
13 significant risk. That's where we're at today. We are
14 operating at the yellow level. And for us, at FSIS,
15 what does that mean? Well, we have placed our
16 inspectors on a heightened alert since 9/11, and they
17 report any suspicious activities, and periodically,
18 there are some things occurring out there in the field
19 that do get reported to us that we turn over to our
20 Office of Inspector General to determine if it should
21 be turned over to the FBI. Orange is a high risk.
22 That is when -- the week of 9/11, there were some
23 specific threats, and at the severe or red level,
24 there's a bona fide attack on some sector.

25 FSIS does have a food security plan and it's

1 very simple. We want to prevent the use of food as a
2 weapon. In our Office of Food Security and Emergency
3 Preparedness, we have a number of areas that we're
4 going to be working on, and I'm going to talk a little
5 more in-depth about these and some of the activities
6 that we're involved with. Emergency food planning,
7 food security at the federal and state level, a food
8 biosecurity action team, our continuation of
9 operations, keeping the government and our businesses
10 running. The Food Emergency Rapid Response Evaluation
11 Team, FERRET, and the Food Threat and Preparedness
12 Network, FTPN.

13 Let me spend a little bit of time explaining
14 the differences between these two. The first one,
15 FERRET, is composed of a group of USDA individuals,
16 Under Secretary and Administrators for all the various
17 agencies. Should an event occur that involves a
18 commodity that USDA purchased, an inspected product, we
19 would call this team together to begin to react to that
20 event. If in fact the threat involved other products
21 outside of USDA or the border or the Department of
22 Defense, we would utilize the Food Threat and
23 Preparedness Network, FTPN. This group, which is
24 composed of intergovernmental officials from CDC, DoD,
25 HHS, FDA, CDC, meets just about every other month to

1 discuss various issues about food security. We have
2 three subgroups on that group that are working on
3 emergency preparedness, another one working on
4 laboratory issues, and another one working on
5 prevention and detection.

6 The whole idea of those groups is to have the
7 ability to share information between intergovernmental
8 agencies. If you think of what FDA is working on in
9 the food supply, we're working on similar issues, and
10 we need to be able to share that information. This
11 provides a vehicle for us to share that information as
12 well as the context in which some events occur.

13 The initiatives that we are currently working
14 on, food security, employee safety, continuing
15 operations, communications, laboratory capability,
16 training. I'm going to go into a little more detail
17 and talk about some of the issues that we're trying to
18 look at and some of the problems that we have and
19 dealing with the industry as well as the general
20 public.

21 In the area of food security and emergency
22 response, we are conducting a vulnerability assessment
23 of the domestic as well as imported food products. We
24 are taking a look at the farm-to-table continuum to see
25 where agents could be introduced into the food system,

1 what effect they could have and what do we have in
2 place today in our inspection system that would
3 mitigate the effect of those agents or how we could
4 control them, and we're going to be looking at those
5 strategies at preventing and detecting those agents.

6 One of the issues we are faced with here is
7 when we complete this work, we will have a recipe for
8 disaster. We will have information on agents, how much
9 they have at a certain point in the process to make X
10 number of people sick or to kill X number of people.
11 USDA has just received the authority to classify
12 documents. We are -- we will probably have that
13 document classified once we complete that work.

14 The question in our minds is how we will be
15 able to share that information when we recognize
16 vulnerabilities in certain industry segments and
17 processes that alerts the industry to be able to do
18 that. One of the vehicles that may be open to us is
19 something called Information-Sharing Action Committee
20 that the FBI has been forming -- has formed a group.
21 These action groups, one represents security, others
22 represent railroads, transportation and so forth. We
23 will have people in that group from the industry that
24 will have security clearances that will be able to
25 share that information and then they in turn will be

1 able to help us sort of declassify or cleanse that
2 information so that we can get it out to the
3 appropriate people.

4 In the food security and emergency response,
5 we also have an emergency response team. Many of you
6 who have dealt with the agency before know we've had
7 recalls. We have a Recall Management Division and so
8 forth, and the question always comes up, well, what's
9 the difference between this and what the agency
10 normally does?

11 Normally, when there is a recall, the agency
12 is dealing with a single situation, looking at it,
13 getting it out of the commerce, and then looking at
14 what happened to make sure that there isn't other
15 contaminated product and whatever went wrong in the
16 plant was corrected. At that point, we focus our
17 attention on that situation.

18 This team will take a look at that situation
19 and utilize those emergency procedures to have that
20 same effect, but we will also be looking beyond that.
21 What else is happening in that industry? Does it
22 involve any USDA products? It will be a much broader
23 look to make sure that we keep control if it is truly
24 an intentional act, that it hasn't gone beyond that
25 plant, and that will be the function of that emergency

1 response team.

2 In the area of employee safety and health,
3 this is a little bit different than food security.
4 Another area we are looking at is the food itself.
5 Here, we're looking at our inspectors in the plants.
6 What could they be exposed to if there was an attack on
7 the food supply? The agents and the steps that could
8 be used in that would be slightly -- would probably be
9 different than what would be used on the food supply.
10 So, we have a contractor that's looking at various
11 scenarios that's going to be coming back to us with
12 some recommendations on how we can advise our
13 employees. We are working on sending out a handbook
14 for them on this issue, and we will probably base most
15 of that information on that work. In addition to that,
16 we're looking at procuring some additional analytical
17 and detection equipment for this.

18 In the area of continuity of operations, I
19 want you to think back to Washington on 9/11, to the
20 chaos that was in this city. People were leaving their
21 offices. All of us at USDA just bolted out of our
22 offices when we were told to go. Rumors were flying
23 about the State Department had a bomb, the Metro wasn't
24 running and so forth. Inspectors in every plant in the
25 country were there on the job so the food supply was

1 not disrupted. Some of the reasons for that were
2 planning. We had a plan for Y2K to shift our decision-
3 making capabilities for different locations. They took
4 over the operation of the agency until we got back into
5 our office the next day or the following day.

6 In addition to that, our own district offices
7 have plans. They have alternate sites where they would
8 operate from, and what we need to do is to maintain
9 that capability to be able to do that should there be
10 some disaster event in Washington.

11 Another area is the area of cybersecurity.
12 No cell phones worked basically in this area. So,
13 we're looking at alternate means of communications, to
14 get the message to our people on what they should be
15 doing, how they should be reacting.

16 Now, moving on to the next area,
17 communications, this is probably one of the most
18 important areas I think for us. If you think of the
19 message that we will have to tell the general public
20 should there be an event, it'll be extremely important
21 that we have a means to communicate that message
22 properly. We're in the process now of developing a
23 series of education and awareness materials that we
24 will use for the public and consumers. We are actively
25 participating in national and local conferences. We

1 now have a display booth that we have gone out at many
2 of these meetings. Myself and others on my staff have
3 gone out to talk to the various industry groups.

4 Last week, I talked with the National Guard.
5 Tomorrow, I'll be in Atlanta. I'm going to be talking
6 with the poultry executives on food security at a
7 roundtable discussion. In addition to that, we're in
8 the process of establishing some back-up
9 communications. Should some event occur, people go to
10 our website. Our website's in Washington, D.C. I
11 think you can tell from most of my comments, we think
12 D.C. is a prime target for some attack should one
13 occur. Our server would go down. We need back-up
14 systems so people can go to our website to find out
15 what was happening, what's happening to their food
16 products.

17 The laboratory area is something that was
18 clearly brought home during 9/11 and after that with
19 the anthrax hoaxes and scares that were going on. Labs
20 were inundated with samples throughout the country.
21 The inability to handle those. In addition to that,
22 shortly after 9/11, our Office of Inspector General
23 reviewed all the labs that USDA has, and we have over
24 350 some odd labs throughout the country. Fortunately,
25 FSIS only has about four, and they looked at 30 of

1 those labs, and we are in the process now of doing our
2 own security assessments, looking at how we can collate
3 the agents into those laboratories and so forth, and
4 we're improving that security.

5 We're also looking at how we can improve our
6 capabilities should there be a series of samples that
7 we need to analyze for an attack on the food supply,
8 and we're also looking at equipment that we should be
9 purchasing. A lot of these activities are being funded
10 by that initial \$16 million that I spoke to earlier.

11 In terms of training and education, one of
12 the important things that we need to begin to do is to
13 train our own people, our own workforce, in food
14 security and ourselves. We did issue a guideline, a
15 food security guideline, that went out to the industry.

16 It was well received. If you look at the brochure
17 that we put out, probably one of the few times that the
18 agency has been able to put out a color brochure that's
19 very effective and that holds people's attention. We
20 are in the process now of developing a one-page fact
21 sheet that our compliance officers will be using when
22 they go and visit warehouses and import facilities.
23 So, we are in the midst of developing more industry
24 guidance and information to heighten their awareness on
25 food security.

1 We're also looking at remote classroom
2 learning for our people in the field. How do we get to
3 the 6,300 inspectors in 7,500 plants, and how do we get
4 the same message to them? So, we're going to be
5 investigating that.

6 One of the key features of our training
7 program will be doing tabletop exercises. You may have
8 seen the paper several months ago, USDA at the
9 department level had a tabletop exercise where they
10 looked at these issues. We are going to be doing a
11 tabletop exercise for all of us and determine how we
12 respond to an event, and what are the areas that we
13 need to include to protect the food supply. What we
14 would like to do is to take a look at products that
15 involve not only suspected products but something that
16 is going to be the -- so we can test out how our other
17 sister agencies will react should there be an event.

18 Once we've accomplished that, then we're
19 going to be looking at doing some exercises in the
20 field, and we're going to be pilot testing an exercise
21 in January on trying to heighten our inspectors'
22 awareness about how to look for and detect suspicious
23 activities.

24 In the area of international area, this is a
25 concern in terms of the imports. We import -- I think

1 75 percent of the imports come from four countries,
2 Canada, New Zealand, Mexico and Australia. There's a
3 small group of us that are working with the Department
4 and the State Department, with Canada and Mexico, on
5 protecting our critical infrastructures. This could
6 arise in Canada or Mexico that have critical
7 infrastructures or with ours. How can we protect those
8 so we don't get attacked? If you think of the Canadian
9 border, we have some -- about three or four plants that
10 have shipped to plants in Canada and product goes back
11 and forth between the countries. It could be a big
12 disruption to the Canadian economy as well as our own
13 and to our food supply.

14 One of the things that we are doing very
15 actively is we're in the process of hiring about 20
16 more import inspectors. If you know our agency
17 operates, we do have import facilities throughout the
18 country. We have about 75 import inspectors. They are
19 there to take a look at products and specifically
20 products that are coming through the sample products on
21 the periodic basis from plants and countries and so
22 forth. That's an additional role.

23 In traditional imports, we'll be looking at a
24 much broader picture of that facility, not only the
25 product from them but how are the products being

1 handled in that facility. How can we tie into what
2 Customs is doing in terms of products coming in? Other
3 agencies are looking at these products, also. How can
4 we meld those three together and begin to look at a
5 total system at the import facilities?

6 These 20 are going to be placed around the
7 country where we've identified some vulnerabilities in
8 terms of the high likelihood that the country would be
9 to attack, and again I mentioned that we are doing
10 these vulnerability assessments. We expect that to
11 probably take six to 12 months to complete that on the
12 imported products. But if you think of the import
13 products that are coming into this country, the
14 vulnerability in the country itself, in the plant where
15 the product is being produced, there are canned
16 products produced here and coming from a foreign
17 entity. The processes are quite similar and the
18 vulnerabilities are probably very, very similar in
19 those entities. The question comes up, how is the
20 product handled? How is it handled when it's shipped
21 over to the States, and then how is it handled at the
22 import facility when it comes into this country? We'll
23 be looking at the vulnerabilities.

24 To summarize, and I'd like to leave some time
25 for some questions, one of the messages I'd like to

1 leave you with is to tell you that we are prepared to
2 respond to protect the food supply. We've had a long
3 history of responding to emergencies, responding
4 relatively effectively, I think, in contaminated
5 products in commerce. The systems are there. This
6 office will coordinate those efforts should a regional
7 or nationwide event occur.

8 Our field staff, in and outside of the
9 plants, really serve as an early link for all of us.
10 Certainly after 9/11, I can't tell you how many
11 suspicious activities were reported, not only on the
12 food supply. We had numbers of investigations going
13 on. In addition to that, our people alerted us when
14 anthrax started. When those events occurred, we had
15 the plants shut down, we did not allow product in or
16 product out until hazmat and local law enforcement went
17 through that area to ensure that there wasn't an
18 anthrax incident.

19 If there are suspicious activities, our
20 inspectors have this number to report, but we also ask
21 other people to utilize this number, too. We will
22 investigate any information and take a look at it.

23 So, with that, I'll close and I'll open it up
24 for any questions. Yes?

25 MS. DONLEY: Nancy Donley from STOP.

1 I have two questions. One is in the event
2 where there's just a threat and let's say that the
3 threat comes in that it's something that's already been
4 shipped to the public, when will the public be advised?

5 I have a second question.

6 MR. MAJKOWSKI: Well, give me the second one.
7 That may be easier.

8 MS. DONLEY: The second one -- well, I don't
9 think so. The second one is, is there -- our recall
10 system right now, I think, has a lot of problems in it.

11 Number 1, the agency doesn't have the authority to do
12 it, it's up to the company to voluntarily initiate a
13 recall. The amount of information that's dispatched to
14 the public is less than adequate in allowing the
15 public, the consumers, to identify the product, and
16 there's just very lengthy delays.

17 Who's going to be in charge? Is it going to
18 be the emergency response teams? Is it going to be
19 FSIS or is it going to be the company?

20 MR. MAJKOWSKI: Just happen to have a slide
21 for that. Well, you brought up a point. Let me
22 respond to that.

23 First off, when we receive a -- and I --
24 classified information on threats, you have to make a
25 judgment, is it a credible threat, and every other

1 week, I see classified information about threats to the
2 food supply. We do have the FBI that has a group that
3 is assigned to look into that threat and make a
4 decision on whether or not it is credible. Should that
5 come to us, that is a credible threat, and we will have
6 to react to that in some manner that alerts people, to
7 pull product off -- out of commerce, if we need to.

8 If there is a red alert and, for example, it
9 does involve the agriculture sector, we do have plans
10 in place, based on the code system that I showed you,
11 how we would react. Think of the orange level. The
12 orange level is the area where we are preparing to
13 deploy our resources. We're getting ready to activate
14 tools, getting ready to activate the field force,
15 depending on the threat. So, a red alert will activate
16 those emergency response teams that I set up. That
17 team will take charge of the situation. They will make
18 the decisions. They will have people going out. They
19 will be sending messages out.

20 It's difficult to say what exactly will be
21 done because I don't know what the threat it. I don't
22 know what the situation is.

23 MS. DONLEY: If I can just follow up with one
24 point.

25 MR. MAJKOWSKI: Go ahead.

1 MS. DONLEY: You know, right now, we know
2 that under a recall situation, the actual recovery is
3 very, very small percentage, and a lot of that is
4 because the length of time it takes to get the recall
5 organized within the company, to get the information
6 out, and then once the information is out, it's not
7 easy because of proprietary information on the part of
8 the company. It's very difficult to know where the
9 product's been distributed, and certainly for consumers
10 to be able to identify it easily by even saying, hey,
11 listen, it's been shipped to this or that retailer and
12 they know that they have purchased it, I'm very
13 concerned that if we haven't got something, you know,
14 better in mind than how we respond to recalls
15 currently, the public's going to be at very, very high
16 risk should there be a bioterrorist threat on the food
17 supply.

18 MR. MAJKOWSKI: I would tell you that we will
19 respond differently. If there is a bioterrorism
20 threat, there's a number of different authorities that
21 come into play from the President on down to the
22 Secretary's level, and I would think that our past
23 practices of what we normally do in a normal recall
24 would go out to industry. People will be alerted.
25 People will know where a product came from.

1 MR. GOVRO: Mike Govro, Oregon Department of
2 Agriculture.

3 Comments on the lines of authority and which
4 is the lead agency, if an event should occur, in an
5 establishment between USDA and FDA.

6 MR. MAJKOWSKI: The FBI. Just so you know,
7 if there is a bioterrorist event, the FBI has the lead
8 on the investigation, and we usually think of this as
9 two things going down a parallel road. One is the
10 investigation of what happened, the criminal
11 investigation. On the same road is a parallel
12 investigation of what happened to the product, where is
13 the product and so forth, and how we're going to get
14 that product back and get that out of commerce as
15 quickly as possible. I think it's going to depend on
16 the product that's distributed.

17 DR. LaFONTAINE: My name is Dan LaFontaine,
18 South Carolina.

19 I'd like to comment on the Food Security
20 Guideline booklet which I think is a very excellent
21 document and it's gotten out in record time. It's an
22 excellent document for large plants. It talks about
23 real-life things, like having gates and fences and
24 guards and employee identification. That certainly
25 would be applicable across the board and with the help

1 of Dr. Leese's office, we got copies and sent them to
2 all of our state plants.

3 But it misses the target a little bit on the
4 very small plants, and if I can digress for a moment,
5 in England, with foot and mouth disease outbreak in
6 2001, although that apparently was not intentional but
7 inadvertent, foot and mouth disease was detected in a
8 small plant in the Midlands. So, these things can
9 originate at a very small plant.

10 In FSIS and the states, there are thousands
11 of very small plants if we look at the logistics, both
12 at the federal and state system, and many of these
13 intentionally are opened to the public. They have
14 retail markets in the front end. The farmers and
15 ranchers are bringing their animals directly from the
16 farm. Many pull up on the property every day.

17 So, what I'm trying to do is sensitize FSIS
18 to this population that is at risk from a food security
19 viewpoint and maybe you have this in the mill already,
20 but I really think you need a second version of the
21 Food Security Guidelines that's geared to those
22 thousands of plants that are community-based that
23 intentionally may be at more risk than the large plants
24 because of the nature of the business they're in and
25 their physical locations. So, I'd offer that as a

1 comment.

2 MR. MAJKOWSKI: Your recommendation is that
3 the Food Security Guideline be developed to some way
4 take a look at how we can achieve the various portions
5 of it that would be appropriate for the small and the
6 very small plants and probably, in addition, the format
7 in the book that's quick and easy to read.

8 DR. LaFONTAINE: The format could be similar,
9 you know, a glossy with photographs, but it would be
10 developed by those, you know, by industry and state and
11 federal regulators that try to get ideas and
12 recommendations as to what they can do in their area.

13 So, really, the same kind of pamphlet is one
14 that's directed at very small plants because it's --
15 they don't normally put up gates. They don't have
16 guards.

17 MR. MAJKOWSKI: I understand.

18 DR. LaFONTAINE: They're trying to get people
19 to come to them every day.

20 MR. MAJKOWSKI: Yeah.

21 DR. LaFONTAINE: All right.

22 MR. MAJKOWSKI: That's a good recommendation.
23 Let's take this back to the office and see what we can
24 do about it.

25 DR. LaFONTAINE: If you do, I would certainly

1 suggest that you invite one or more state
2 representatives to assist you. Most of us have almost
3 exclusively very small plants.

4 MR. MAJKOWSKI: When the guidelines were
5 developed, Dr. Santiago was leading that group, and
6 he's involved in the industry and various industry
7 groups. So, I think -- do you want to speak to that?

8 DR. SANTIAGO: Thank you for the compliments.

9 All of us want to ask what's next? When I came to
10 Washington, that was my first assignment, to develop
11 the guidelines. We participated in the development,
12 and it was composed mostly of very small plants, but we
13 did get feedback from them, and after the development
14 of the issues, I went to the Reno Convention at the
15 National Association of Food Processors, which is a
16 system of small and very small plants, and I was able
17 to help them to understand the guidelines. They
18 understand it does not apply to all of the small
19 plants, but we were able to explain a little bit how
20 this will apply to them. So, they did have
21 communication.

22 The other part is that we have issued a
23 Federal Register Notice for comments on the
24 improvements of these guidelines. So, we will take
25 those comments as part of the development and reissue

1 these guidelines. I understand it's sold out. But
2 anyway, we will try to see to it that those comments
3 are applied to the guideline.

4 Thank you.

5 MR. MAJKOWSKI: Dr. Jan?

6 DR. JAN: Lee Jan, Texas Department of
7 Health.

8 I would just like to comment and then make a
9 question regarding the vulnerability assessment. I
10 think that's a critical point, that you have to assess
11 the kind of vulnerabilities and be in a position of
12 classifying those documents and that information to the
13 importance.

14 I think the next part is, and you did allude
15 to it, but it's important to remember that people at
16 the front line have to know how to -- once the
17 vulnerabilities are identified, the front people need
18 to get that information, not necessarily classified,
19 but what do they do and how do they react. I think
20 that classified secret documents, information from it
21 does need to get down to the people who can make a
22 difference.

23 My question, though, is, being this is
24 classified information, how would that information be
25 shared with the local and state partners of your agency

1 that are important in taking care of these things? I
2 doubt that any or very few of them are going to have
3 the capabilities for securing a classified document,
4 and is there a plan to bring these people in that can
5 then deal with actually preventing and therefore facing
6 some of these vulnerabilities? Animal Health
7 Inspection agencies, from Meat and Poultry Inspection,
8 retail food inspection, all those type agencies, will
9 have a role.

10 MR. MAJKOWSKI: Our plan is to get this
11 information out and down to the state partners and to
12 industry people, and when we identify an agent, how
13 much and where is it at, the information may only need
14 to be shared with you. This type of process, at this
15 point in the process, it's an area that someone could
16 intentionally contaminate product, and there needs to
17 be vigilance in these areas.

18 I think we may be able to do that, and once
19 we complete it, get it classified, we need to step back
20 and take a look at how can we sort of declassify this
21 information and get that out to people so they can
22 utilize it? But we will be working on that.

23 DR. JOHNSON: (Inaudible question)

24 MR. MAJKOWSKI: Well, the CDC has had a list
25 of agents on their website. It may have been taken

1 off. The FDA had a list, also, and a couple others.
2 There's a list that we were working from, looking at
3 those agents, and we also have a group that is looking
4 at laboratory capability and identifying what our labs
5 can do, if our labs can do that type of analysis, what
6 are the methods, can we get those methods. So, that is
7 in the works. It's not completed development.

8 MR. GOVRO: Mike Govro, Oregon Department of
9 Agriculture.

10 I've participated in a number of tabletop
11 exercises. The few that have been bioterrorism events
12 have been, I would say, somewhat formulative at this
13 point. It was sort of developed as we went. I've also
14 participated in tabletop exercises that have to do with
15 the release of nuclear power plants. Those were FEMA
16 exercises involving all the different agencies that
17 would be involved in something like that, and so far,
18 the bioterrorism tabletop exercises I've worked with, I
19 will say, haven't been tested very well. The ones that
20 FEMA runs are extremely instructive, and I wonder if
21 you could comment on the tabletop exercises that you
22 have planned at this point, and how many agencies are
23 going to be involved in those, and what you can tell us
24 about that?

25 MR. MAJKOWSKI: Okay. In terms of FEMA and

1 the tabletop exercises, yes, they are much better
2 developed. This was all started back shortly after
3 Chernobyl. FEMA, I guess, was charged with it, and
4 USDA had a role, my offices, that represent the
5 Department, on radiological agents, and so over time,
6 they developed these scenarios based specifically on
7 chemicals from a power plant melted down. What the
8 radiological subtype was, what the result was, what
9 actions to take, and that type of thing.

10 Now, some of the other type of tabletop
11 exercises, I've been involved with CDC, FDA and some
12 others, and what comes out of those is some generally
13 important information about identifying responsibility,
14 and I know when you think of the different agencies,
15 the one I was involved with was with FDA. There was
16 confusion on whose responsibility was it to notify the
17 foreign countries about it. The responsibility stopped
18 with FDA. That's what the tabletop exercise is
19 designed for, to raise it to the level of a decision-
20 making point.

21 In our agency, for example, we will probably
22 -- the first tabletop exercises just involved our
23 agency, and we'd like to get our own house in order
24 first before we bring in FDA, CDC, and those other
25 agencies, so we can see what are the decision points

1 and where is it we have some confusion on who's
2 responsible, who's going to make the call, who's going
3 to make the decision? That's what we hope to get from
4 the tabletop exercises. Does that help clarify it?

5 MR. GOVRO: Yes. I think the point I was
6 trying to make is that these things rarely happen in a
7 vacuum, and I can appreciate that view, but it seems
8 that the more players we involve, the more areas we
9 find where things can break down. I agree that the
10 scenarios for radiological release are much more
11 serious than, I think, who knows what we might be
12 dealing with in the future.

13 MR. MAJKOWSKI: I think our first one will
14 involve other agencies within Agriculture and it will
15 be useful to see how we interact with them, and then
16 we'll expand that at the next level and involve FDA,
17 CDC, DoD and other agencies.

18 DR. McKEE: Okay. Thank you very much.

19 We'll take a break now. There's refreshments
20 outside the door. Let's try to return right at 10:35,
21 and we'll continue with the agenda.

22 (Whereupon, a recess was taken.)

23 DR. McKEE: We will now move on to the issue
24 that Subcommittee Number 2 will address tonight, and
25 that is "Procedures for Evaluating State Meat and

1 Poultry Inspection Programs".

2 FSIS clearly recognizes that states are equal
3 partners and play such an integral role in protecting
4 public health. For all of us in the public health
5 arena, the arbitrary lines among federal, state and
6 local government jurisdictions may be dissolved, and we
7 all need to work together.

8 As I mentioned this morning in my football
9 analogy, all teams go out there to win, no matter if
10 they are playing at the high school, the college or the
11 professional level. The stadium sizes vary, but they
12 all have a common goal. Likewise, we in the public
13 health field, no matter whether we are in federal,
14 state or local communities, all carry out common
15 duties, common responsibilities every day for a common
16 mission, to protect the nation's public health.

17 There are certainly best practices carried
18 out by FSIS programs and best practices carried out by
19 state programs. We need to share these best practices
20 with each other. We need to foster greater
21 communications of what works and what doesn't, and we
22 will learn from each other to fulfill our common
23 mission.

24 This afternoon, within this next hour, we are
25 getting a briefing on technical procedures. However,

1 in the long run, I want to create a collegial
2 homogeneous working relationship with the states. We
3 need to explore many issues, such as cross training,
4 education, testing, etc. We won't be able to cover all
5 these issues this afternoon, but we do want to initiate
6 an on-going dialogue on these issues.

7 Now, I'd like to turn to -- turn the
8 discussion over to Dr. William Leese who will give us
9 an update on the status of the reviews of state
10 programs.

11 Dr. Leese?

12 Issue - Procedures for Evaluating State Meat and
13 Poultry Inspection Programs

14 DR. LEESE: Thank you, Dr. McKee.

15 What I was going to focus on for this
16 discussion would be the initiatives being put into
17 place as a result of the previous meeting of the
18 Standing Subcommittee Number 3 and the recommendations
19 regarding the information to the report to Congress
20 that was going to need to be ready by March of the
21 coming year and how that fits into this whole picture
22 of the state programs and working with the states.

23 The issue was the Farm Bill, signed in May
24 2002, it directs the Secretary to do a full review of
25 the relationship and further report on the review of

1 FSIS and report to Congress. It directs the Secretary
2 to include in the review guidance on changes the state
3 systems might expect if the prohibition of interstate
4 shipment is removed and the conference report does not
5 suggest additional appropriations. So, it must be
6 completed even if there are no additional
7 appropriations and, of course, there will not.

8 The questions presented to the Advisory
9 Standing Committee Number 3 were: Question 1. FSIS
10 supports the concept of interstate shipment but is
11 concerned about expending significant agency resources
12 on the concept before the necessary authorizing
13 legislation is passed. Because there are new
14 provisions, it is not subject to appropriations. How
15 can FSIS best use its limited food safety resources to
16 meet the mandate? The recommendations from the
17 committee were: recommend that FSIS review back as far
18 as the year 2000, which by the way is when the first
19 small plants implemented HACCP, to review as far back
20 as 2000 all state comprehensive reviews that had been
21 completed and attempt to complete the reviews of the
22 remaining cases by March 2003.

23 Ordinarily, we'd be accomplishing about in
24 the neighborhood of six to eight reviews, but state
25 reviews may take a year. Because the time frame is

1 probably too restrictive in order to do in one year all
2 27 reviews with existing resources, because the time
3 frame is probably too restrictive, additional funding
4 and extension of the due date to report to Congress
5 should be pursued. Outsource contracting to complete
6 the reviews should be considered as an option.

7 Okay. Our response is we have either in
8 progress or completed all but three of the state
9 comprehensive reviews covering the period from 2000 up
10 until the present time. We have three that will be
11 starting in December which will be the last three, and
12 we have every reason to believe at this time that we
13 will be able to have the information ready for the
14 report to Congress that would be scheduled for
15 somewhere around March.

16 Now, in the same general context, the second
17 question was: what kind of guidance would be useful to
18 states in advance of legislation authorizing the
19 interstate shipment of state-inspected product? The
20 comments from the subcommittee were: request states to
21 adopt all current federal food safety regulations and
22 their implementing policies, including FSIS directives
23 and memorandums. Food security guidelines should be
24 considered. Ensure uniform compliance with state and
25 federal regulatory requirements. Use the efficiencies

1 identified in the state comprehensive reviews to
2 formulate guidance material, and a statement to have
3 state inspection program personnel participate in the
4 field force training.

5 As far as our response, these issues will be
6 incorporated, among other things, into the responses to
7 the individual states with regard to their individual
8 comprehensive reviews and certainly kept in the
9 forefront because we're in this on the part of each of
10 these states.

11 Are there any comments or questions? Yes?

12 MS. FOREMAN: Carol Tucker Foreman with
13 Consumer Federation.

14 I have a couple of process questions, please,
15 and then I think a couple of substantive ones.

16 Would you make available to the subcommittee
17 and then for the full committee tomorrow the written
18 report that -- and the recommendations that the
19 subcommittee -- that the committee made at the last
20 meeting with regard to this subject?

21 DR. LEESE: You should have that.

22 MS. FOREMAN: Oh, okay. If you have a copy,
23 I don't believe it's in the materials we got, and I
24 think it would be a handy reference.

25 DR. LEESE: I do have it with me.

1 MS. FOREMAN: Thank you.

2 My recollection was there was one point that
3 was left in this agreement and was noted as a minority
4 report or just noted that there was no agreement on it.
5 Am I wrong about that?

6 DR. LEESE: I don't see it listed in the
7 final report.

8 MS. FOREMAN: Oh.

9 DR. LEESE: Maybe someone else can address
10 that.

11 MS. FOREMAN: Yeah. I think that there --
12 that that's the place and that really should be noted
13 in any reference back to the report of that meeting,
14 that we had some disagreement on one of the reports.

15 I'm on the subcommittee, and do you have
16 questions for us for this evening? Because I didn't
17 find any questions in the book.

18 DR. LEESE: Well, this topic, of course, is
19 tangential to the issues for tonight's meeting with
20 regard to the requirements that are being developed for
21 the state programs, and Ralph Stafko will be discussing
22 that topic and he can address that. I don't see any
23 specific questions.

24 MS. FOREMAN: I don't have any in my
25 material. You're going to tell us what you want us to

1 do this evening?

2 MR. STAFKO: Thank you. Thank you, Bill.

3 First off, I'll apologize. My voice is a
4 little raspy. There's some kind of bug going around
5 and it seems I got a good dose of it. I apologize for
6 that.

7 The committee is going to be asked to take a
8 look at a document that's been around for a couple of
9 years now. It is intended to articulate certainly more
10 clearly and more easily understood the criteria and
11 procedures by which we administer our cooperative state
12 meat and poultry inspection programs. What we're
13 hoping the committee will do is to keep this, discuss
14 it, let us know if we achieve our objectives, and give
15 us any recommendations for making it a better document.

16 First, a little background. Of course, we
17 have just announced the reorganization. Up until this
18 time for the last couple of years, Bill and I have been
19 working very closely together in an office called the
20 Federal-State-Local Government Relations Office, and
21 prior to that, Bill had been in the Office of Field
22 Operations and has for quite a few years been managing
23 the agency's program that works with the states and
24 administers the cooperative agreements for meat and
25 poultry inspection at the state level.

1 Myself, I have in the last few years been
2 working with state and local agencies and other
3 organizations on cooperative agreements and other
4 collaborative activities, focused more on outside the
5 plant food safety issues, areas where we have
6 collaborations with other entities to address the
7 hazards to our products outside the plant.

8 Two years ago, when our federal-state-local
9 government relations staff was formed, one area where
10 Bill and I saw we had a common interest and common
11 concern was this area of how we articulate and how we
12 implement the criteria for oversight of cooperative
13 agreements and cooperative activities with our partners
14 and other agencies.

15 As you know, back in '68 and '67, the Meat
16 and Poultry Inspection Act and the Federal Meat
17 Inspection Act were revised to provide for state meat
18 and poultry inspection programs. The requirement is
19 that states must apply requirements at least equal to
20 those imposed under the federal statutes. If that pre-
21 condition is being met, then we, FSIS, can provide up
22 to 50 percent of the costs on a reimbursed basis to the
23 states for the operation of those programs.

24 The areas which they must demonstrate their
25 capacity and capability include meat inspection with

1 Title I in the FMIA, and also, where appropriate,
2 allied industries under Title II and enforcement
3 activities under Title IV. There is an additional
4 factor which weighs heavily on both us and the states
5 and that is, in the absence of such a state program and
6 our certification that it meets the requirements, we
7 are obliged to designate that state as one in which the
8 Federal Government must provide meat and poultry
9 inspection, even though they're small plants and only
10 so many within the state would have a proviso.

11 I think we currently have 28 states, and
12 we've been adding more than losing. Unfortunately,
13 with the economy being the way it is, it looks like one
14 state may be giving up its program. We've been advised
15 that Virginia is teetering, that's a fair way to say
16 it. So, we're a little concerned there. But in any
17 case, on the whole, it's a very vibrant program. It
18 provides an essential supplement to our capacity to
19 ensure that the nation's meat and poultry is safe and
20 suitable and properly labeled.

21 In addition to those meat and poultry
22 inspection program cooperative agreements, there are
23 ancillary kinds of agreements which our agency entered
24 into with states. There are eight agreements which
25 provide for states with their own programs to do

1 federal inspections on our behalf under that agreement.

2 Another kind of an agreement is a cross-utilization
3 agreement where, for example, our program has trouble
4 getting staffing to a remote plant and the state has a
5 nearby inspector, that we can actually have that
6 inspector work for us directly under that agreement.

7 Now, those kinds of agreements, kind of
8 ancillary to the inspection, pre-suppose the state
9 programs. There is one area where we do have
10 cooperative programs with states extrinsic of that.
11 Three states do oversight of custom slaughter
12 operations in their states under separate cooperative
13 agreements. Custom slaughter being an inherent part of
14 what the state meat and poultry inspection programs do
15 already.

16 Now, when I signed up with Bill a few years
17 ago, there was already a long-term concern about the
18 existing directives under which cooperative agreements
19 were being administered. It was and is pretty obsolete
20 in a different ways. It's been viewed by the state
21 directors especially as over-prescriptive. It's
22 difficult for people not really immersed in this to
23 understand what it says, and in addition, the question
24 arises whether the format is really appropriate for
25 everything it covers, practice fees and tender fees,

1 direct -- provides a vehicle for directing FSIS in
2 agency conduct. The content of this directive does
3 include guidance to the states on how they are to run
4 the program. So, there's a format issued as well.

5 Now, while Bill was struggling with the
6 meat/poultry inspection and how to upgrade that
7 directive, one of the things I had been doing is
8 heading up USDA's participation in an endeavor called
9 the National Food Safety System Project and this was
10 begun in late '97 where we brought in representatives
11 of all 50 states and the local groups as well, federal
12 agencies, ourselves, FDA, EPA, CDC, different
13 disciplines, epi people, regulatory people, laboratory
14 people, basically anybody in the public sector with
15 food safety responsibilities, and the whole notion was
16 how can we work better together to provide more
17 effective protection to the American public and do so
18 in a more efficient way?

19 Frankly, the first meeting, a lot of people
20 went in a little cynical, but it was amazing. A lot of
21 these folks had been thinking these thoughts for a long
22 time and they had never had a chance to express them,
23 and we left the meeting with just about everybody
24 saying no, we can make a difference, if not, us, and
25 the logic behind working better together with a goal of

1 infiltrating a more seamless system where we can take
2 the best of all the public resources available from the
3 states. It's a no-brainer. It's something that
4 everybody strives for. Everybody agreed on that.

5 The folks at that meeting reconvened later
6 that year and formed into work groups, each one led by
7 a state agency person, to address different facets of
8 how we can better collaborate on food safety. There
9 was a work group for outbreak responses, one for
10 laboratory procedures, one for roles and
11 responsibilities, one for information technology, data
12 sharing, and one for uniform program standards, and
13 that latter group is one that was premised on the idea
14 that state programs, regardless of the commodity that
15 you're regulating, retail food or produce or milk and
16 dairy or meat and poultry, all should have some common
17 elements that one can look at to determine whether or
18 not there's been enough done.

19 The work group put together a model template
20 which frankly was drawn quite a bit from our own
21 meat/poultry inspection programs, the one that I think
22 historically has been the most detailed and most
23 thought out just because we made the right
24 relationships, and then there were subwork groups to
25 apply those templates to different kinds of

1 commodities. We have retail foods, seafood, milk and
2 dairy, produce, other manufactured foods, meat and
3 poultry, and eggs.

4 I think FDA pretty much took the lead on most
5 of those with retail foods being one of the most
6 advanced right now as well as seafood. We took the
7 lead on meat and poultry and eggs. Dr. Jan and Dr.
8 Kamisky was working with us on that at one point.
9 Terry Burkhard, yeah.

10 So, from the beginning, we had some of our
11 state directors involved and then when Bill and I got
12 together and we formed Common Cause, we decided that a
13 very logical way to tackle this is to do it in the
14 context of revising and replacing our old directives
15 and taking advantage of the work done by the work group
16 and kind of combine those things and come up with a
17 much neater, cleaner, and more outcome-oriented kind of
18 a document than we currently have for the state meat
19 and poultry inspection programs.

20 So, we worked very closely with the state
21 directors and the organizations on those issues.
22 National Association of State Meat and Food Inspection
23 Directors. I'm getting good at these acronyms. And
24 frankly, there was, you know, a lot of diverse group of
25 views and a diverse group of states out there. The

1 notion behind our work with the states is that we want
2 to encourage innovation out there. We don't want to be
3 overly-prescriptive, but at the same time, there needs
4 to be accountable under the law as the law requires for
5 achieving the law's end.

6 So, we negotiated a lot, we argued a lot, and
7 we came to a compromise. We came up with, I think,
8 about as close to a consensus document as we're going
9 to come up with, articulating how FSIS relates to the
10 state meat and poultry inspection programs in the
11 administration of the cooperative agreements.

12 I think it's important to note that the
13 directive or the document does not impose any new
14 requirements. We talked about some alternatives there,
15 but again every state is different. Some have more
16 discretionary authority than others. Certainly a lot
17 of states who want to inspect different species under
18 the state laws or that want to do additional kinds of
19 activities which we require under the federal law are
20 free to do so and are encouraged to do so but aren't
21 required to do so because the law does not mandate it
22 in the area of, for example, outbreak response. This
23 is something that at the federal level, FSIS is much
24 more involved in, but at the state level, depending on
25 how their ATC jurisdictions are organized, they may or

1 may not be as involved as FSIS is, so that the bottom
2 line is we can't hold them accountable under a
3 mandatory responsibility. That is not provided for in
4 the statute.

5 The document itself, I hope everybody has a
6 chance to at least glance at it, includes a background
7 section and it goes over the background of meat/poultry
8 inspection and what it involves. It addresses how you
9 initiate the state MPI programs and it outlines our
10 historical approach to the states which is to request
11 every state have a state performance plan in which they
12 describe how they're implementing the various facets of
13 their programs, such that we can document what they are
14 doing and what they're not doing. These are updated
15 annually, at least annually, as needed, and provide the
16 basis for their programs when those agreements take
17 place.

18 We have in the documents identified nine
19 program elements. Go to the document itself, they're
20 listed on Page 4, divided between infrastructure kinds
21 of requirements, the authority, program resource,
22 training staff, laboratory support, and more
23 operational kinds of activities, inspections, the
24 uniformity of inspections and correlations among them,
25 compliance and that includes not only enforcement but

1 outreach, ethics and conduct, and self-assessments.
2 These are all expanded on in the second part of the
3 directive -- sorry -- of the document, and you'll see
4 the format for each one describes the criteria and then
5 articulates the outcome of what you're trying to
6 achieve in that criterion, and then the kinds of
7 documents that we will be looking at in the states to
8 determine whether or not they're achieving that
9 objective.

10 And finally, the Part 3 of the document
11 describes the procedures by which we schedule our
12 reviews and offices that conduct the reviews. We have
13 expertise in various parts of the agency, all
14 coordinated by Bill and his folks, but the actual work
15 on the ground is done by a much broader group of people
16 throughout the agency, Compliance people, our people in
17 Budget and Finance that review the books, the Civil
18 Rights people that do compliance, and of course, the
19 basic review people, and people who work closely with
20 them out of our home service center.

21 So, it's a wide group of people who are
22 involved in those reviews and reports are sent up to
23 Washington where Bill and his staff review the
24 documentation and ensures its compliance as
25 appropriate.

1 The bottom line, the document's intended to
2 be easier to understand and it's intended to be a more
3 -- reflect a more transparent approach to how we do our
4 reviews. It's intended to ensure that format that was
5 adopted in this program that we suspect will be used
6 more broadly among states and among different kinds of
7 regulatory programs around the country and, of course,
8 more uniformity, the easier it is for everybody in
9 terms of understanding what we're doing and how to do
10 it better.

11 Like HACCP, we can draw a parallel with it,
12 it infers the objectives more than it does prescribed
13 and it has what you have to do to meet the objectives.

14 Again, we want to encourage innovation by states,
15 allow them the flexibility in how they reach the
16 requirements of the law, but at the same time, what is
17 expected of them to meet the requirements.

18 The general plan is to take whatever input
19 you folks can provide us on this and then some time in
20 the not-too-distant future publish the comments to get
21 a wider acceptance of the document.

22 I think that's about it. If there are any
23 questions, I'll be glad to take the time.

24 MR. GIOGLIO: Just one second. That's okay.
25 Before we go to questions, just to follow up on the

1 performance requests, we will have the full report of
2 the subcommittee that worked on this issue last time,
3 the final one that has been adopted by the full
4 committee. So, we'll have that for you this afternoon
5 some time so you can take a look at it.

6 MR. GIOGLIO: Dr. Johnson?

7 DR. JOHNSON: Thanks. Alice Johnson.

8 As part of the discussion last June, when we
9 had our meeting, we talked about training and allowing
10 the states to have access to the FSIS training, and I
11 see in the document we've outlined the training of
12 regulatory staff, and it's filled with mostly the basic
13 training, but FSIS is doing a good job with the
14 correlation sessions, with the technical conference
15 that are being offered around the country.

16 Are they -- are the state programs aware and
17 are they given the opportunity to participate? I think
18 the technical conference, the material conference, I
19 understand you did a good job of talking through issues
20 as well as I'm sure there were serious issues coming
21 up.

22 Are the state officials given the
23 opportunity, and are they included in the -- when you
24 have something like the district correlations and
25 there's a correlation section?

1 MR. STAFKO: Well, there are a number of
2 folks here who can probably address the details of that
3 better than I can, but the general answer is yes, they
4 are included in virtually any of the training that we
5 provide.

6 The problem is often the costs involved on
7 the state side of sending people, and like our own
8 people, taking people out of the work they do and
9 finding somebody to cover for them while they're being
10 trained, it makes it sometimes difficult for them to
11 get people trained in their offices, but I think Bud
12 might want to talk a little bit about some of the
13 things we're doing in terms of electronic remote kinds
14 of training that's being made available to people, and
15 I don't know. Bill, do you want to add anything more
16 to that?

17 DR. LEESE: Well, I think that Bud Paulson
18 will be able to cover that far better than we can.

19 First, I'm sure you realize that the basic
20 training programs are available, but as these new
21 innovations come up, as FSIS develops new training
22 programs, then the process of incorporating the states
23 into that area is one that's being worked on, but it is
24 not resolved at this point. But most definitely, the
25 agency objective is to include the states, to have an

1 opportunity for them to look at training.

2 MS. HICKS: Cheryl Hicks, Office of Field
3 Operations.

4 I have a couple of examples where there have
5 been training problems in the states. We had our
6 national supervisory conference in Dallas, and we did
7 also provide in-plant performance training and
8 biosecurity awareness for everybody.

9 MR. PAULSON: (Inaudible comment)

10 MR. STAFKO: Mike?

11 MR. GOVRO: Mike Govro, Oregon Department of
12 Agriculture.

13 If you look at what you've established here
14 and liken it to a HACCP program, it seems that you've
15 established standards for the state meat and poultry
16 inspection programs to comply with a set of
17 requirements that should provide a safe product to the
18 American consumer, and the documentation and the
19 outcomes, for the most part, refer to meeting a set of
20 requirements with regard to documentation.

21 It seems like the element to me that is
22 missing is an actual correlation of compliance with
23 your standards to an actual production of safe product
24 in the meat and poultry inspection programs, and I'm
25 wondering if USDA has a system for looking at the state

1 meat and poultry inspection programs and determining
2 how they score on their evaluations to actual results
3 that are with regard to compliance and enforcement,
4 recalls, contaminated products getting out the door,
5 enforcement actions taken and that sort of thing, so
6 that rather than focusing on the compliance with a set
7 of standards for documentation, we're actually at
8 what's going on.

9 MR. STAFKO: I'll turn this over to Bill for
10 the details. The overall answer is yes, that is
11 inherent in what we're doing. We don't just look at
12 those documents. We're looking at what we find in
13 those documents, and let me have Bill explain that to
14 you.

15 DR. LEESE: The two key parts of the review,
16 the comprehensive review of a state program would be
17 the review of the compliance program and the review
18 involves the in-plant and records review at the
19 headquarters office, and those would be comparable to
20 the type of work that in the past has been done by the
21 next seller of the orders; whereas, the reviewers look
22 at what records are maintained in the headquarters
23 office with regard to whatever it may be, various
24 control actions or other types of activities, such in
25 their process they keep at the headquarters level.

1 Then to go out to representative plants and look to do
2 a systematic review of the also sold to, the HACCP plan
3 within the plant, the records that the plant maintains,
4 the records that the inspection program has maintained
5 with regard to compliance with the program and the
6 actual performance within the plant as they do a review
7 of the physical lay-out of the plant.

8 So, that's the major components of the
9 review. It has been, right or wrong, and it would be
10 still consistent with the framework being looked at
11 now.

12 MR. GOVRO: My question really went to are
13 you looking at the programs and comparing them to the
14 recall information that you should have on file? Is
15 there any programs to do that? How many recalls of
16 products occur from plants that are in the state meat
17 and poultry inspection program as opposed to USDA?

18 MR. STAFKO: I'll take a stab at that. I
19 don't know of any. Does anyone else?

20 DR. LEESE: We have our own. I don't recall
21 reviewing reviews with respect to what we've been doing
22 in the plants, not that we wouldn't be interested in
23 that, but I don't recall ones that I'm familiar with
24 offhand where there are records of state meat and
25 poultry reviews that were recorded in reports. Could

1 very well that they've had reviews, but as far as the
2 state reviews, I'm not aware of any.

3 MR. GOVRO: I'm not on the subcommittee, but
4 I might suggest that that would be an area that the
5 subcommittee consider. The bottom line is, is what's
6 happening, you know? Are these programs better? Are
7 they worse? Could USDA learn something from the state
8 programs or does USDA need to make the state programs
9 better? What's going out the door?

10 MR. MAMMINGA: From a state perspective on
11 the business of recall, addressing recall, I think
12 across the state programs that I am aware of, holding
13 the inspection product as far as that part of our
14 program for microbiological testing programs and in our
15 economic programs, we pretty well -- people don't want
16 them to be held. You can look at the other side of it.
17 One can have an illness that is -- could be associated
18 with ...

19 MR. STAFKO: The question is how do you
20 compare the work of different plants, and that's one of
21 the reasons we went to performance standards for
22 Salmonella, and as a measure of how well ... Of course,
23 we're looking at ways to improve our present
24 performance standards, but I think the notion of seeing
25 how many recalls might take place in different plants

1 is probably not a real good measure because the nature
2 of the beast is it's really hard to make an assessment
3 of what that means in any given context, outside of the
4 particular plant. How do you compare plants within a
5 state on that basis? I don't know. To me, it seems
6 like a very difficult measure to use to determine that.
7 Some of our best plants have been involved in recalls
8 despite the best most common measures that we use.

9 DR. McKEE: I think your point is well taken
10 and that we need another step there to protect
11 ourselves, and how do you measure that, how do you cure
12 that? We can look at all the detailed stuff that
13 they're talking about here, but we clearly need to go
14 to the next step and that's my intention, that we have
15 to look at major outcomes of whatever you want to call
16 it. We haven't asked that question yet.

17 MS. FOREMAN: Carol Tucker-Foreman with
18 Consumer Federation.

19 Thank you, Dr. McKee. That's a reassuring
20 statement.

21 I wanted to actually follow up on where Mike
22 was going. Everything here is an analysis of whether
23 the system is equal to. For consumers, that was of
24 secondary importance. We want to know what data are
25 there to indicate the products coming off the end of

1 the line are as clean and safe and not likely to cause
2 food borne illness. That's the public health
3 orientation that we want, and historically, in this
4 program, the comparison of state programs to the
5 federal program has been hard to measure because the
6 argument is circular. How do you know we're equal?
7 Well, we wouldn't be allowing them to operate if they
8 weren't equal, and there has to be something that is
9 more than just the structural. You've got to show that
10 what happens at the end of the line is -- meets the
11 public health measures.

12 It occurred to me as I went through this, a
13 couple of things. One, I don't think anybody has ever
14 asked the question, and I now ask it and would like to
15 pursue it this evening, I am on the subcommittee, what
16 benefits accrue to consumers from having state
17 inspection programs? They were included in the law
18 back in 1967. Frankly, it's a direct political trade-
19 off to get the votes to pass the bill.

20 What benefits are there to consumers, and
21 obviously the flip side of that is, what risks occur,
22 and unless we know the products are as safe as, in
23 addition to the system being equal to, we don't know
24 what risks occur? I'm not aware of any particular
25 benefit that occurred to consumers.

1 I have a couple of other things. On the
2 training, I think a couple of the issues were raised
3 about some of the problems with making sure that
4 training -- that state inspectors get access to
5 training. The GAO report that came out the end of the
6 summer was really quite critical of FSIS's training of
7 its own staff, so suggesting that the training of the
8 state inspection personnel is something less than that
9 is not very reassuring to those.

10 I want to know if the Department is going to
11 support the shipment of state-inspected meat in
12 interstate commerce. That raises a whole series of
13 other questions.

14 DR. McKEE: I haven't been able to evaluate
15 as to what our stand will be on the policy for that but
16 that will be worked out. The issue that I commented on
17 about protecting the public health has to be worked
18 out, and we need to make sure we have our ducks in a
19 row for that.

20 MS. FOREMAN: Thank you.

21 Because this is my last time as a member of
22 the committee, there are some issues that I think we
23 haven't addressed there, and so I want them on the
24 record, please, and one of those is what is the risk of
25 federally-inspected plants to getting to leave the

1 federal system and going to be state-inspected and
2 therefore undercutting the comprehensive federal
3 inspection program that we have now?

4 The proposed legislation puts some limits on
5 going back and forth, but no limits, except size, on
6 leaving the federal program and the size that was
7 included in the bill would have included something like
8 50 percent of the plants that are out there operating.

9 So, the question arises, are we dismantling the
10 federal meat inspection system if we allow state-
11 inspected meat to be shipped in interstate commerce?

12 I think, in addition, there has to be some
13 discussion. People buy meat assuming it's USDA-
14 inspected. It's not going to be USDA-inspected or it
15 may not be if we have state-inspected meat in
16 interstate commerce. How much does that undermine
17 public confidence in the system, and how much does it
18 undermine the confidence of our trading partners in the
19 system?

20 So, all of those are issues that I think have
21 to be addressed, in addition to the nuts and bolts
22 here, before the Department goes forward on this issue.

23 Thank you.

24 MR. GIOGLIO: I know that there are other
25 questions and comments from the committee members. I

1 please ask you to please hold those for the evening
2 session this evening. We don't want to fall too far
3 behind schedule here, and I believe we'd like to move
4 on then to the next topic.

5 I mean, Bill and Ralph will be here. They're
6 both going to be in with the subcommittee this evening.

7 So, you know, you'll have the opportunity to bring up
8 questions and get clarifications and so forth and then
9 we'll come back and discuss them again tomorrow morning
10 in the full committee.

11 DR. McKEE: Thanks.

12 We'll move on to the next presentation, which
13 is the Issue of Education and Training of the Field
14 Workforce to Achieve a Public Health Vision. Ms.
15 Cheryl Hicks and Mr. Bud Paulson will make this
16 presentation.

17 Issue - Education and Training of the Field
18 Workforce to Achieve a Public Health Vision

19 MS. HICKS: Thank you, Dr. McKee.

20 * * * *

1 The Aviation Administration doesn't have its
2 inspectors trained by the airlines and it shouldn't
3 have meat inspectors trained by the meat industry. It
4 just -- different roles, different perspectives and I
5 think those have to be dealt into the training system
6 and the line blurs very easily there.

7 Now, I also have to say something that the
8 International House of Alliance. There are people out
9 there who believe that it's a governmental
10 organization. It is not a governmental organization.
11 It is a non-profit organization founded by, an whose
12 officers are all employees of Meat Industry Trade
13 Associations. It does have a point of view because of
14 who funds it and who runs it. Originally, it came out
15 of Texas A&M. That stopped three or four years ago.

16 I have great reservations about the
17 International House of Alliance having the relationship
18 with USDA and its state governments to do training
19 because of the nature of its organization and who it's
20 officers are. There's got to be ways to get this
21 training done in other places that are not owned and
22 operated by the regulated industry.

23 MR. PAULSON: I think there's a -- support we
24 were talking about -- needing work on the research
25 standpoint -- actual training of the inspector

1 standpoint. There are resources out there that we can
2 take advantage of and I think that was the point of
3 most focus.

4 DR. MCKEE: I think we need to adjourn now
5 for lunch. We have a pretty aggressive schedule.

6 DR. JOHNSON: Dr. McKee, I appreciate the
7 need to adjourn [inaudible].

8 DR. MCKEE: What I'll do is -- again, I don't
9 want to make this into a divided kind of a comment
10 area, but what I will do is to take Dr. Johnson's
11 comments and hold for about two minutes more we'll
12 adjourn for lunch.

13 DR. JOHNSON: Oh, that's okay. Alice
14 Johnson, National Turkey Federation. Thank you, Marty.
15 I just wanted to talk a little bit about the
16 distinction and I have to agree with Carol on some
17 points. When we're talking joint training or we're
18 talking International House of Alliance, we're talking
19 the science of the issue and the science of the issue
20 is not any different than if I'm working for the Turkey
21 Industries as opposed to I'm working for the government
22 as opposed to I'm teaching in college. It's the
23 understanding of the consult to the science behind the
24 issues.

25 Now, I recognize that FSIS employees need

1 different training than an industry or academic person
2 would and how to properly document, how to determine
3 noncompliance, how to look at deviations and so, in
4 that regard, yes, it does need to be separate training
5 on the, as Mr. Paulson said, the philosophy of the
6 agency you're working for and the requirements therein.

7 But, as far as the basic science that's
8 probably where the biggest disconnect is right now in -
9 - between the regulatory agency and the industry is
10 because there is a difference in the group's
11 understanding of the basic science.

12 And, as far as the International House of
13 Alliance goes, yes, you will find a lot of the
14 International House of Alliance folks are a part of an
15 industry whose trade group itself are the industry
16 itself. Part of that was to protect the purity of HAFA
17 and the HAFA forces. When HAFA first started coming
18 along, it was definitely needed that we have HAFA and
19 the -- presented and the scientific underpinnings and
20 that people went out and didn't just teach something
21 that was not considered credible and part of the reason
22 the industry is so supportive of the International
23 House of Alliance is because it has criteria that are
24 reviewed by academics that say: This is what a HAFA
25 force should look like and it does not get into the

1 regulatory aspects of HAFA except to go over the
2 regulations.

3 It teaches the science. It teaches people
4 the microbiological, the physical and chemical concerns
5 in foods and mostly the people doing the teaching are
6 academic folks who are doing it. But the Alliance would
7 keep HAFA pure and to keep the science in a credible
8 training program that's available for industry. Thank
9 you.

10 DR. MCKEE: Thank you. I think that's a
11 challenge that FSIS has is we need to be able to
12 facilitate the training forum's inspectors and I think
13 we need to consider drawing from all areas. The
14 academic community is certainly an area that we need to
15 utilize, I think, to grow our inspectors, as far as
16 basic education, in addition to specific things.

17 (Whereupon, the parties recessed for lunch at
18 12:10 p.m. and the meeting resumed at 1:30 p.m..)

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

2 DR. MCKEE: First thing on our agenda this
3 afternoon is a briefing on FSIS reorganization and as
4 many of you are, I'm sure, aware -- in the making for
5 several months. I had, before my arrival here, a visit
6 with Dr. Murano on her strategy and activity and I
7 applaud her in the realignment, reorganization that she
8 has -- with has really saved my view and saved me about
9 a year's work by being able to restructure many things
10 to make it more effective and efficient, so I strongly
11 support our alignment. We do have, under her
12 instruction, the flexibility to tweak the system, if
13 you will, and, as I have time to review more of the
14 details of the -- structure, maybe recommendations to
15 my part for some changes in the future, but I strongly
16 support and I think it certainly makes sense. The
17 organization, I think, has to be organized in such a
18 way that you built cynergy. Not only effectiveness and
19 efficiency, but you have to have cynergy -- and people
20 located in the areas where they can do their best job.

21 So, what I'd like to do is to have Member
22 Swacina, who is an Associate Administrator, to roughly
23 go through the things that -- structure --

24 MS. SWACINA: Okay. -- some newspaper
25 articles about this -- the main thing to do is to --

1 offices, assistant administrator positions and these
2 are intended to be positions that are cross-trained
3 positions with all the other areas -- and along those
4 interests was -- the functions of these offices, which
5 is why they're affiliated.

6 The first one is the Office of Field Security
7 and Emergency Preparedness, which --. After September
8 11, we obviously, like everyone else -- secure issues
9 and we've reached the point where -- recognized that we
10 needed to get everything in one office -- it's not
11 going to be able to be a huge office, but at least one
12 office that serves as a liaison to the rest of the
13 agency and a one-point contact for all of our emergency
14 security issues.

15 And included in that is one of the functions
16 that MR. Stafko performs and that is a liaison to the
17 states -- interest to this Committee, but Mr. Stafko
18 will be focused on the -- secure emergency preparedness
19 liaison for the states in his new function.

20 The second new office that was created is the
21 Office of Program Evaluation, Enforcement and Review.
22 -- government bureaucracy -- shortened -- and that's
23 intended to be an office that business-level
24 communities will take a look at ourselves -- ourselves
25 and try and prevent problems before they occur, if you

1 will. One of their functions is to make policies of
2 the agency and see if we have the right policies in
3 place and if they need to be changed, if they need to
4 be eliminated, what have you, they will look at those
5 and make recommendations to the administrator on
6 changes that are needed in the policies.

7 They also will be looking at how the programs
8 are implemented and how the policies are going to be
9 made, so they'll do a lot of field work, as well.
10 There's a lot of field employees who are actually
11 staff, who will be available to, again, look at how
12 well the policies that will be made are being
13 implemented. The problems -- they may have already
14 looked into a couple of circulations -- helpful in
15 identifying problems that we're trying to fix.

16 The third new office is the Office of
17 International Affairs. And, again, this is partly
18 being formed because of September 11 and also to
19 emphasize the International Affairs we have in the
20 agency. We do do a lot of international work and we
21 want to make sure that -- and we wanted to get this
22 office separated from -- policy office -- we wanted to
23 get this office separated from the high-ranking,
24 international functions that we perform -- and this
25 office will also be a relatively small office.

1 The other office that we have had before in
2 place, with some tweakings that have already been done,
3 and additional tweakings -- Dr. McKee, one of those is
4 the Office of Communications, which is the -- outreach,
5 which will include, as it did before, the Congressional
6 Public Affairs Office, the Education Staff, and the
7 Executive Secretary. We also had a strategic outreach
8 -- staff that will take over some of the state liaison
9 functions, the small -- liaison function, as well as
10 the -- outreach that we already do.

11 The Office of Public Health and Science
12 remains. I'm not sure that we made any changes to that
13 office, but we did meet the Recall Management Division
14 out of that staff and over to Field Operations and
15 Recall Committee still exists, if the Office of Public
16 Health and Science has a -- required member. We also
17 need a -- production -- staff to the Office of Public
18 Health and Science.

19 The Office of Management remains normal as it
20 was before. The Office of Field Operations, probably
21 the key operations -- slipped out of there was the
22 Center for Learning, which was a training center really
23 than -- under the public facility center and that is
24 now an Office of Policy Program and Employee
25 Development. And the Office of Policy Program and

1 Employee Development is the last office that, again,
2 existed before and became -- any questions?

3 MS. ESKIN: Could you just explain -- it's my
4 understanding that this Committee is now supervised by
5 the Office of Communications. Is that correct? Or,
6 under the purview --

7 MS. SWACINA: The Office of Communications.

8 MS. ESKIN: And Outreach, okay, and could you
9 explain the reason for the change? And also the Micro
10 Committee, has that also been moved to this, you know,
11 to be supervised by this particular office?

12 MS. SWACINA: I don't know -- coordinate
13 these -- and, again, because of the Office of
14 Communications and how it will be -- the administrator
15 -- that is going to be -- as well. So, the intent is
16 to involve all of the areas --.

17 MS. ESKIN: Again, the Micro Committee is
18 also going to be supervised by the Office of --

19 MS. SWACINA: No. At the moment, that may be
20 one of the tweakings that include --.

21 MS. ESKIN: Okay. Obviously, it raises the
22 question is to my mind, since we are an Advisory
23 Committee that effects policy, that for some reason,
24 that change may have some indirect role -- science. I
25 hope that's not the case and I just would want you to

1 take a look at the treatment of both Committees, both
2 structurally and otherwise, to make sure that it's not
3 adversely impacted.

4 MS. SWACINA: We have no plans to --.

5 DR. LAFONTAINE: Dr. Lafontaine -- one of the
6 changes that I'm aware of -- I don't know the details -
7 - that's what I'm going to ask is: In your compliance
8 structure, previously, the compliance officers and
9 their supervisory training were tied to districts and
10 then, ultimately, to Headquarters and I'm aware that
11 there's been a slurry, so-to-speak, where some are
12 going towards -- what I call and I may be using the
13 wrong words -- criminal investigations, others of
14 operations, so, could you embellish on what's happened
15 in that arena because that is a very important part of
16 the equation?

17 MS. SWACINA: You pretty much -- the
18 operational function of the -- folks remains in Field
19 Operations and -- which, of course, is -- but they are
20 intended to be in Field Operations -- carry out --
21 they're the ones who will be going around to the -- the
22 compliance officers -- who are -- will be doing
23 criminal investigations. But, again, as I said, they
24 will also be part of the, sort of an oversight on
25 policies and programs. But because they have that

1 field of -- they're the ones who are [inaudible].

2 DR. LAFONTAINE: I have a following question,
3 partly, -- is the transition, you know where, if you
4 have suspected criminal activity -- administrative or -
5 - operator, at least in my experience, many times are
6 just picked up by your operational people, who are out
7 there in the communities. So, how do you -- and maybe
8 I'm getting into too much detail -- how do you
9 visualize this fine line when you transition from
10 operational to criminal investigations?

11 MS. SWACINA: Well, as you said, it will be
12 the operational people are out there today, beyond the
13 compliance officers, -- supervisors, what have you, if
14 it -- they will work with -- they're still working
15 together on that because that's one of the areas --

16 MR. GIOGLIO: Fourteen?

17 MS. DONLEY: Thank you. -- Public Health and
18 Science, are they all --

19 MS. SWACINA: Absolutely.

20 MS. DONLEY: -- are they actually physically
21 being moved over into that department, or, again, on
22 just a consulting basis? Are they staying over?

23 MS. SWACINA: I think -- to the Recall
24 Committee and Recall Management Division, and the
25 Recall Management Division is what was new and they are

1 to do as the -- says --. They don't make the decision
2 on whether or not they should be a division. There is
3 a -- and the Recall Committee, which is convened by the
4 Recall Management Division, but they convene at such a
5 membership they'll always be in Public Health and
6 Science, along with other members of the other offices.
7 Just as it always has. It has not changed one bit,
8 the Recall Committee.

9 Now, if the Recall Committee makes the
10 recommendation on whether or not they should be a
11 Recall -- the Recall Management Division is what
12 carries out the Recall. We make sure that the
13 notification goes out. We make sure that the companies
14 are notified -- all of that goes under the Recall
15 Management Division. They are management resources, not
16 making the decision, Public Health decision and whether
17 or not they should be there.

18 MS. DONLEY: And the actual decision is made
19 by Public Health and Science?

20 MS. SWACINA: Actually, they -- and I can't
21 think of a similar decision ever made --

22 MS. DONLEY: And just as a follow-up, can you
23 tell me was this redesigned to -- or was it just one
24 for streamlining or ease of management or do you see
25 this as actually seeing this as being a boost to Public

1 Health and Science?

2 MS. SWACINA: Again, I think it is intended
3 to be a boost to Public Health. It's, again, to try
4 and emphasize some of the offices that need to have
5 emphasis and to make sure that within each of the
6 deputy areas that these issues get considered as one.

7 DR. MCKEE: If I can just add to that, when
8 you have an organization and you have your mission
9 articulated as what you're going to do, it really
10 requires that you have the alignments that I mentioned
11 earlier of who works together closely the proximity of
12 and so forth. So, it clearly enhances the Public
13 Health Mission, but it also, I think, reflects
14 evolution of the kind of work we do, the volume and so
15 forth and addressed that as well.

16 MR. GIOGLIO: Any other questions?

17 MR. MCKEE: The next on the Agenda is a
18 presentation on FSIS Consumer Complaint Monitoring
19 System. Lieutenant Commander Kimberly Elmberg and
20 Commander Judith Arndt.

21 CDR. ARNDT: Thank you very much. The
22 Consumer Complaint Monitoring System was designed to
23 fulfill requests by the Office of Inspector General.
24 They have all FSIS consumer complaints centralized.
25 The system was currently implemented in all districts

1 in November of 2001. It is a national surveillance
2 system.

3 MR. GIOGLIO: The slides are behind Tab 9 in
4 your notebooks.

5 CDR. ARNDT: Okay, what is a consumer
6 complaint? What is the Consumer Complaint Monitoring
7 System? It is an electronic database used to record
8 triage, coordinate all consumer complaints that are
9 reported to the agency. It's abbreviation is CCMS.
10 CCMS now has screened over fifteen hundred cases. In
11 this system, to triage means to classify a consumer
12 complaint to determine the need for further
13 investigation by FSIS.

14 What is a consumer complaint? Any complaint
15 about a regulated FSIS product reported by a consumer,
16 or on behalf of a consumer, is entered into this
17 electronic database, is triaged and is tracked.

18 Most of the consumer complaints involve
19 illnesses, and so far there has been four hundred and
20 thirteen reported illnesses in the CCMS. Injuries
21 reported in the CCMS is sixty-two. There has been five
22 hundred and fifty foreign object complaints and
23 allergic reactions complaints totalled eighteen.

24 More consumer complaints: under processed,
25 ready-to-eat complaints totalled eleven; improper

1 labelling complaints sixteen; epidemiological
2 adulteration totalled ten; and the "Other" category,
3 which is, namely, the dissatisfaction with the quality
4 totalled approximately two hundred complaints.

5 Misbranding or labelling complaints: Product
6 labelling or misbranding consumer complaints are first
7 triated for any illness complaints and for any public
8 health concerns. If there are none, these complaints
9 are central labelling, business and record -- staff --
10 documents, these complaints into the CCMS and manages
11 their further investigation.

12 Food security threats or product tampering:
13 When food security threats are first recognized by
14 compliance officers in the field, these complaints are
15 sent directly to the Office of the Inspector General.
16 It is recognized, however, that a complaint may come
17 into our system and not be identified as food security
18 threat until after it has been investigated and, of
19 course, it is then turned over to OIG.

20 Examples of complaints not entered in the
21 CCMS are whistle blower complaints, school lunch
22 program complaints, industry complaints initiated by a
23 competitor and -- all prepared products.

24 FSIS responds to consumer complaints. The
25 FSIS uses CCMS to provide quality and timely responses

1 to consumer-filed complaints. It uses CCMS to help
2 identify unsafe meat, poultry and egg products. FSIS
3 uses CCMS real time computer system to aid
4 investigating potentially hazardous products in
5 commerce.

6 LCDR. ELMBERG: The hotline is the most
7 publicized method of forwarding a complaint for
8 question regarding an FSIS- regulated product to the
9 attention of the consumer into OPHS. It is brought to
10 the attention of the consumer each time there is a
11 recall in all of our recall notices. It is located on
12 our website and a time -- included by the press and
13 newspaper articles throughout the country.

14 Other programs responsible for entering
15 complaints is the Office of Field Operations. All
16 district officers and compliance officers are able to
17 answer complaints. The Office of Public Health and
18 Science and the Office of Policy Program Development --
19 staff.

20 The first thing we do at OPHS is screen
21 complaints coming in. If it's -- the complaint meets
22 the criteria for inclusion into the CCMS. In fact, is
23 it an FSIS-regulated product. If it is a complaint
24 involving a retail establishment, the complaint is
25 referred to the local health authority.

1 Although these complaints fall under state
2 jurisdiction and follow-up occurs by the state, they
3 are also referred by us to our outbreak branch if they
4 involve a positive lab-confirmed freeform illness. It
5 is possible that the complaint may be part of a bigger
6 picture that those triaging the consumer complaints are
7 not aware exist and, so, in this way, we want to cover
8 all of our bases to make sure we are identifying any
9 outbreaks.

10 I want to stress and make absolutely clear
11 that every complaint that is entered into CCMS is
12 triaged. Not all of the complaints are verified and
13 we'll go into that in a minute. So, when we get our
14 breakdown of how many complaints we had -- foreign
15 material, how many complaints we've had for illness,
16 those all aren't necessarily verified.

17 In a minute, I'm going to go through the
18 process on how we decide what needs to be investigated
19 and what we're not investigating.

20 Cases are investigated on criteria that was
21 developed by the Steering Committee working on the
22 development of CCMS. There are representatives
23 throughout OPHS on the Steering Committee;
24 microbiologists of the meat and poultry hotline, intake
25 people, all sorts of different backgrounds are

1 represented on this Committee.

2 The following consumer complaints were always
3 verified and investigated: any underprocessed, ready-
4 to-eat product; any glass confirmed -- food borne
5 illness; any allergy complaints; and any possible
6 public health or safety concern.

7 The CCMS database is searched for similar
8 cases using the agency establishment, their standard
9 format, the establishment standard agency format.
10 Cases are investigated if the database contains two or
11 more similar complaints concerning foreign material
12 against the establishment, two or more similar
13 complaints concerning quality, epidemiological
14 adulteration, etc. against that establishment.

15 Identification of a possible health hazard
16 will override those guidelines. So, for instance, if
17 you have a baby food jar and a mother has found a piece
18 of glass when she's feeding her infant, well, it
19 doesn't take two of those to necessarily begin an
20 investigation. That's obviously a public health
21 hazard. There may be other pieces of glass in other
22 baby food.

23 For follow-up cases not warranting an
24 investigation, a letter is sent to the consumer and a
25 copy of the letter is sent to the ADME of the

1 complainant's district. It thanks the consumer and it
2 lets them know that, even though the case isn't being
3 investigated at that time, that it remained in the
4 database, it's there for future reference and that the
5 case may be reopened if other information comes in that
6 would make it relevant to opening that case. A copy of
7 that letter is also sent the ADME of the complainant's
8 district.

9 The establishment receives a letter with a
10 summary of the complaint enclosed and a copy is often
11 sent to the ADME of the establishment's district. That
12 way the establishment can see what complaints are
13 coming in from consumers. The establishment letter
14 demonstrates our commitment to helping industry
15 identifying and address the central areas of concern.

16 The establishment letter describes the
17 complaint without identifying the complainant. It does
18 not require the plant to formally follow-up with FSIS.

19 It is the plant's responsibility at that point to
20 address the complaint. However, the establishment
21 district is made aware of the complaint.

22 When investigative cases are first initiated,
23 the ADME of the complainant's district is notified.
24 The compliance officers is assigned to the case to be
25 investigated and it is that compliance officer who will

1 verify the complaint and collect samples. We work very
2 closely with our labs for analyzing the different
3 characteristics of the index contained in the sample.

4 Laboratory analysis, as you know, is
5 important for making objective decisions based on
6 science.

7 At times, the compliance officer is able to
8 visualize without touching the index sample of foreign
9 material. A lot of times we get complaints of a
10 possible worm or something and it's -- or trachea from
11 chicken -- like that. So, sometimes that can be
12 visualized.

13 A lot of times we are not able to collect
14 samples. Sometimes the complainant starts them or they
15 send them back to the company and, therefore, we cannot
16 verify the complaint, but that case would still remain
17 in the database for future reference. If we get other
18 like-complaints, then it need that criteria for
19 investigation. Furthermore, sometimes we are not able
20 to collect like or same proto-sample on the market if
21 that product has already been consumed or that was the
22 last of that product.

23 All information collected on a consumer
24 complaint is documented and goes through the CCMS. So,
25 it is centralized, which would be OIG's requirement.

1 When appropriate, the OIG and/or Recall Division are
2 notified are investigation findings.

3 When a case is investigated, a letter is sent
4 to the consumer and a copy of this letter is sent to
5 the ADME of the complainant's district. The letter to
6 consumer provides general information about
7 investigation findings and information on how to use
8 the Freedom of Information Act to obtain further
9 information on the disposition of their case.

10 The district manager of the establishment
11 district is forwarded a hard copy of investigation
12 findings and, when appropriate, follow-up with the IIC,
13 inspector-in-charge, for that plant is requested.
14 Documentation then of the 02 and 04 procedure is
15 required to be put into the CCMS.

16 So, in other words, any action taken in the
17 plant or by the plant and the IIC at the plant is put
18 into the CCMS so that if we go back, if we have a
19 complaint today and we go back and do our search and we
20 find that that is a similar complaint to something that
21 has been investigated before, we can see what was done
22 to address the complaint at that time and to see what
23 was not effective.

24 So, we can go back there and see if there was
25 another complaint, we've already done an investigation,

1 we didn't notice or recognize this as a potential
2 hazard, but now you know how the history and we need to
3 address this in a certain way.

4 When an establishment has numerous complaints
5 about non-identical products, a letter with a summary
6 copy of all the other complaints is sent to the
7 district manager. Those are previous complaints that
8 have taken place usually within a two-year period.
9 This action may involve having an IIC at the
10 establishment follow-up with an 02 or 04 report, which
11 would then be documented into CCMS.

12 Okay, this is the end of the presentation of
13 the current CCMS database. Since it's inception, CCMS
14 has met the original -- has more than met -- the
15 original intent of the OIG with a large emphasis on
16 public health. Recent events, however, have the
17 potential of ensuring food safety, even making it more
18 difficult for use to ensure the safety of food.

19 So, we continue to value the complaints of
20 consumers because they may be our only clue to an act
21 of terrorism against our food supply. The events of
22 September 11, 2001 definitely reenforce to need to
23 enhance monitoring systems. President Bush -- Bio-
24 Terrorism Act into law on June 12, 2002. The Act is
25 divided into five Titles. Title III addresses

1 specifically the securing of our food and drug
2 supplies.

3 Dr. McKee said earlier today that our goal is
4 to prevent food from being a weapon. In addition, we
5 must be prepared to identify quickly any infiltration
6 is our first lines of prevention. The earlier we can
7 identify acts of bio-terrorism, the earlier we can
8 forward these cases to the OIG. One key way we will
9 achieve the goal of early detection is through having a
10 database that would -- consumer complaints into
11 interoperable with other databases. For example, --
12 other HHS agencies.

13 The second key enhancement for the database
14 is developing flexibility to identify -- fluids. We
15 talked about intent just a few minutes ago. That's
16 part of our -- to where we're going in the
17 investigation.

18 OPHS is reviewing the following projected
19 enhancements to the CCMS: -- the CCMS to the district
20 early morning system; creating this link through the
21 early morning system to alert the district manager to
22 the need for follow-up in the plant and that helps with
23 our follow-up --; linking to recall product data to
24 help us identify the complaints involved to these
25 health products; this will be part of our response to

1 the consumer; cyber security, -- system security of the
2 database to comply with the Health Insurance
3 Affordability Act to allow us interoperability will
4 help the intensity as well as provide complainants with
5 confidence that their health information -- results
6 would be protected and their privacy maintained.

7 As I mentioned before, interoperability with
8 other state agencies -- our laboratories and systems
9 just mentioned will make CCMS -- and will enable FSIS
10 to identify and -- more rapidly. Some -- CCMS after
11 one year. We have come a long way from the original
12 origin costs. And there is a story that goes like
13 this: There are two stonecutters who are chipping
14 square blocks out of granite. The visitor the quarry
15 asked what they were doing and the first stonecutter
16 said rather sourly, "I'm cutting this stone into a
17 block." The second -- "I'm on this --. Any questions?

18 MS. TUCKER-FOREMAN: Going back -- Tucker-
19 Foreman with Consumer Federation -- going back to the
20 examples of complaints that are not entered in the
21 CCMS, school lunch program complaints, can you explain
22 why?

23 LCDR. ELMBERG: It's a separate program from
24 ours. Right now we happen to have a complaint that is
25 involving the school lunch program -- and so when we

1 get a complaint like that we refer it to our outbreak
2 branch.

3 MS. TUCKER-FOREMAN: And they follow-up --
4 this is the public health branch -- and they follow up
5 as --

6 LCDR. ELMBERG: Yes, ma'am. They work with
7 the -- in the state to follow-up on that.

8 MS. TUCKER-FOREMAN: And they are FSIS, and
9 the FSIS people then -- they follow it up as -- okay,
10 thank you. Just follow-up, is there any reason why it
11 can't list the data -- as well? I understand that you
12 don't follow up on it, but that somebody else does, but
13 is there any reason why those can't be listed among the
14 consumer complaints, since, I think, they are of great
15 importance to the public?

16 CDR. ARNDT: I think that would be an
17 appropriate enhancement to our database and, I think,
18 we follow-up with every consumer complaint -- and we
19 can then add that to our database.

20 MS. TUCKER-FOREMAN: Thank you.

21 LCDR. ELMBERG: Even when a complaint comes
22 that it not specifically falls under the qualifications
23 -- we never, ever let it go without follow-up -- have a
24 quick reaction.

25 MS. DONLEY: Thank you. I think you answered

1 my question. I was going to make it a little bit
2 broader -- and I'm very happy to hear your response,
3 but I think it would be appropriate because this is one
4 of the children's -- school-age children are one of the
5 vulnerable populations that when -- illness before many
6 other populations. Also, would institutions be
7 included in that as well? You know, many times it's
8 the schools and institutions, nursing homes -- does
9 that get caught in your --

10 LCDR. ELMBERG: We had university -- well, it
11 was a -- there was a university who had -- and other --
12 because they sold it again then to the students. They
13 had an establishment and we were able to get back to
14 the establishment and help them out. One of the things
15 you have to remember is that once it's seeping out of
16 the package, you need to -- again. That's where we
17 wanted to institute handles to keep that from happening
18 -- but it's something that's clearly coming from the
19 establishment level -- foam particles in this product -
20 -

21 MS. DONLEY: -- where you have the retail --
22 product. Is that also a -- product for instance that
23 has been ground, further ground at the retail facility?

24 LCDR. ELMBERG: Yes, that would be state. --
25 if a super market chain buys some meat and they don't

1 ground it, that -- institute.

2 CDR. ARNDT: We have had a lot of retail
3 complaints come in and when they're lab-confirmed, we
4 walk over to the outbreak and make sure that the
5 epidemiology officers know about this particular case
6 and so it's followed up too. So, it's the thing --
7 it's the same happening to our CCMS, you know, if we
8 just follow up with the outbreak section.

9 LCDR. ELMBERG: But it's the --
10 investigation. There are two separate levels of
11 investigation: our outbreak branch would get it and
12 people at -- and they would work --

13 MR. GOVRO: Mike Govro. I think I have a
14 comment about the reporting of people and illnesses,
15 but first I have a question to clarify how you handle
16 things. If I were to call USDA and say I got sick
17 from, let's say, eating some sliced lunch meat that was
18 produced and packaged at the USDA plant, what would you
19 do?

20 LCDR. ELMBERG: The establishment member
21 would -- specific characteristics about the complaint
22 would be searched in the database to see if there's any
23 [silence on tape] -- compliance officer. If it's
24 coming in through the one -- hotline, then we would
25 upgrade the data into the database. The compliance

1 officer would be assigned to relate any data that was
2 missing and verify the complaint. He would then triage
3 the complaint -- illness would automatically be -- if
4 they do not have a -- illness and -- against that
5 establishment did not -- product, they would not be.
6 If there was a complaint that was similar -- then that
7 would be two or more and then the investigation would -
8 -

9 MR. GOVRO: Okay, here's my comment. I think
10 you're making a huge mistake by following this
11 procedure. The reason is that most people who become
12 ill from eating something think that it's the last
13 thing they ate and the first thing they threw up. So,
14 they call whoever they think is responsible. There is
15 a system in place, I think, in most states where
16 information about food borne illnesses is taken in,
17 usually, by a health agency -- yeah, the -- they do an
18 investigation and determine whether or not the product
19 the person thinks made them sick is actually the thing
20 that made them sick. And, many times, in doing a
21 three-day food history, they discover that the person
22 ate something else that is related to another food
23 borne illness outbreak.

24 If USDA takes that information and bases it
25 on what the person calls in about and doesn't get it to

1 a local health agency, they're really sitting on a lot
2 of valuable information, which should go to the health
3 agency and, as a state agency, that is not an intake
4 point or food borne illness complaints, however, we do
5 take complaints like a lot of the other complaints that
6 you take about product quality, airborne materials and
7 so forth, we take information from the person, name and
8 phone number, and send it to the local health agency --
9 the food borne illness investigation to determine what
10 the agent is and then if it should come to us, they
11 send it to us. If it should go to the USDA or FDA,
12 they send it along that way.

13 So, I really see a coordination problem
14 existing here and this is all part of what's been
15 discussed in the National Integrated Food Safety System
16 and I know there are problems also with FDA's system
17 and I think there are some holes that need to be look
18 at.

19 LCDR. ELMBERG: Right. You're absolutely
20 right and we -- many of those holes. You're right that
21 the last thing a person eat is often what they believe
22 makes them ill and that's why we don't investigate all
23 of the complaints of illness. You're also right that
24 food diary is something that should be considered to
25 practice and we are working on -- that and how we can

1 train -- well, what kind of a food diary would be
2 reasonable for us to achieve.

3 You're also correct in that having
4 interoperability with the state health agencies, both
5 ways, sharing information both ways, lead to greater
6 success of identifying, truly identifying any two food
7 borne illness and outbreak. So, you're right on all
8 accounts and we're adjusting all accounts.

9 MR. GOVRO: One more thing. This is news to
10 me about this eight hundred number and so forth. I
11 work in a state agency that works fairly closely with
12 USDA. I send complaints that I receive from consumers
13 about USDA products to the local USDA office in Salem.

14 I have a local contact. And I only have that because
15 I met the guy and he gave me that information, but I
16 would encourage USDA to distribute that information
17 about the system to all the state and local agencies
18 that could use that.

19 LCDR. ELMBERG: Again, you're correct. We
20 need to have a PR blip on this number. Right now we
21 are working on a second-generation -- database with
22 kind of -- the OIG request was much more simple than
23 adjusting public health, so we've been working on
24 rearchitecting the database to adjust these public
25 health concerns that we have brought up and with the --

1 the rearchitecture would be to support a larger number
2 of complaints and interoperability to meet that time
3 when we can physically support those complaints to this
4 database. We really need to do a huge PR blip. Right.
5 This is our tool. It's our eyes and ears.

6 MR. GIOGLIO: Sandra Eskin?

7 MS. ESKIN: Sandra Eskin. AARP. I have a
8 couple questions following up on the other questions.
9 First, on the list of complaints that are not entered
10 into CCMS. We talked about school lunch programs. Is
11 it my understanding that each of these listed are
12 referred to different entities -- so that --

13 MS. ELMBERG: What slide number?

14 MS. ESKIN: Yeah, the whistle blower, school
15 lunch program, industry complaints about competitors,
16 retail-prepared products. You mentioned that you refer
17 the retail to state, but that there's another agency or
18 group that handles school lunch programs. Do the other
19 ones listed here, are they also referred to some other
20 body, entity?

21 LCDR. ELMBERG: Yes. The whistle blower and
22 the industry complaints initiated by a competitor would
23 go to the Office of Inspector General.

24 MS. ESKIN: Uh-huh.

25 LCDR. ELMBERG: I believe -- I thought one of

1 the earlier slides, I think, that we presented maybe
2 today or may be presented tomorrow, but they talk about
3 not wanting to economically ruin another company.
4 Sometimes there's malice in the industry between
5 different companies and we want to make sure we're not
6 involved in that. And, so, we send that to the OIG and
7 let them handle those complaints.

8 MS. ESKIN: Speaking of companies, obviously,
9 some consumers report directly to companies or their
10 eight hundred numbers that the companies have. Is
11 there any coordination between monitoring whatever they
12 get and what you get through your system? Any sort of
13 communication?

14 LCDR. ELMBERG: Well, we do send all of our
15 complaints to them. We share our information with
16 them. If it's infected, then -- the IIC of that plant
17 is who gets the complaint and shares it with -- it's my
18 understanding that when we do an investigation -- the
19 letter goes to the establishment. The establishment,
20 it is my understanding, that, today, as we stand here,
21 does not have to share their complaints with us.

22 MS. ESKIN: But they -- there are other
23 systems of the products -- under different agencies
24 they have a requirement that all complaints are --

25 LCDR. ELMBERG: We don't have --

1 MS. ESKIN: I know. I just wanted to clarify
2 that. And, finally, again, I also had a question about
3 ways that the one eight hundred number, the meat and
4 poultry outline how that information is disseminated.
5 Do you have any specific thoughts or plans? You said a
6 media blitz, but is there any specific ideas as to how
7 more widely disseminate this information?

8 LCDR. ELMBERG: Absolutely. We would like to
9 have web access to this database, so that we could work
10 on the web and input their own data. We think that
11 would reach another population. We recognize that no
12 everybody has access to a database. Right now the
13 consumer complaint hotline is only open from ten a.m.
14 to four p.m., eastern standard time and those are
15 pretty limited hours and if you're a busy person and
16 you're on the west coast, you might have a hard time
17 figuring -- so that needs to be reviewed. Certainly,
18 web is twenty-four hours a day.

19 MS. ESKIN: Again, right now, currently is it
20 primarily disseminated through public service
21 announcements or information that USDA puts out? Are
22 there other sources?

23 LCDR. ELMBERG: It's disseminated through the
24 process, disseminated through our press office, it is
25 on the website.

1 CDR. ARNDT: Most of our complaints are
2 through the compliance officers so far. They really --
3 I mean I'd say ten, fifteen percent are through the
4 hotline, so we are missing a huge number of people.
5 And I feel that most of the complaints about a food
6 product do go directly to the establishment. I would
7 love to interact more with the QA person, you know, and
8 talk to them. Some of them have called me concerning
9 the letter that we sent and wanted more information
10 because they certainly wanted to look into the matter
11 further because it might be kind of serious and so we
12 would like to develop that sort of working relationship
13 and it would only make sense to do that.

14 MS. ESKIN: Uh-huh.

15 MR. GIOGLIO: Dr. Johnson?

16 DR. JOHNSON: Alice Johnson. National Turkey
17 Federation. I think you answered one of my questions,
18 but I just want to clarify. In your slide, you talked
19 about in cases that are not investigated, the
20 establishments are given a summary and it's up to the
21 establishment to do the follow-up.

22 Now, when you talk about the cases that are
23 investigated, on the way the slides look, it talks
24 about the district manager of the establishment is
25 given a hard copy of the investigation. Now, the

1 establishment is made aware that there is an
2 investigation, is that right?

3 LCDR. ELMBERG: Yes, ma'am.

4 DR. JOHNSON: Okay, and during the process of
5 the investigation, is the establishment allowed to
6 interact and understand -- I know we have a lot of
7 concerns with the compliance officers may be out there
8 pulling samples and doing things and if the companies
9 new what they were looking for and there's a lot of
10 times the industry feels that they could help speed up
11 and get resolution to some of these investigations, if
12 the company is allowed the information sharing that
13 needs to understand what needs to occur and what is
14 being investigated. And I don't know if there's that
15 kind of -- I think this is a great system, but I don't
16 know that that coordination is built into this system
17 yet and that may be more of a field operation comment,
18 but --

19 LCDR. ELMBERG: Exactly. This is a question
20 for field operations. We're simply the complaint
21 monitoring system of the consumer complaints and triage
22 them, so that is definitely field operations.

23 DR. JOHNSON: But the --

24 CDR. ARNDT: But we can -- we oftentimes do
25 let the ADME of the establishment district know about

1 the concern we have because it's a real concern in the
2 complainant district. We don't have all the
3 information in, but this is what's happened, you know,
4 and he may make a trip out there to that establishment
5 and tell the IIC what's happened.

6 So, it's a wonderful, electronic system and
7 it is working. The compliance people in the field love
8 it because they are sort of able to get a hold of
9 what's happening and they have a system where they're
10 looking at what we're doing, we're looking at what
11 they're doing, so it's working.

12 DR. JOHNSON: Well, I'd really encourage --
13 that this is not -- but the more you can get the
14 establishments involved, a lot of times the easier the
15 investigation can become --

16 CDR. ARNDT: Right.

17 DR. JOHNSON: -- and the quicker these issues
18 can be resolved, which is to the benefit of both
19 industry, the agency and the --

20 CDR. ARNDT: Right. If the IIC had the
21 capability of having CCMS on their screen, or on the
22 screen, that would be nice too. Then we'd have a link
23 right there to the IIC. That he could look at all the
24 information.

25 LCDR. ELMBERG: Yeah, we'll definitely work

1 through on some of the coordination issues. Thank you.

2 MR. GIOGLIO: Ms. Hicks, did you have
3 something you wanted to add for the field ops?

4 MS. HICKS: Yes, I just wanted to say that I
5 will take that message back in that the follow-up on
6 consumer complaints is one part of the compliance
7 officer's job that's going to stay with field
8 operations.

9 MR. GIOGLIO: We're going to take a few more
10 questions. We have Dr. Logue, Mr. Holmes and then Dr.
11 Jan. Okay, we have Mr. Holmes and then Dr. Jan.

12 MR. HOLMES: I have a quick question. One is
13 the all-federal notices on recalls does have the eight
14 hundred hotline number on it, does it not?

15 LCDR. ELMBERG: Yes, sir.

16 MR. HOLMES: Okay, I just wanted to make
17 sure. And then, I hate to be the only ignorant one in
18 the room, but that happens on more than one occasion,
19 how are you using the term "triage?"

20 LCDR. ELMBERG: I believe it's defined in one
21 of your slides.

22 MR. HOLMES: No, I understand --

23 LCDR. ELMBERG: Maybe it's not. Hold on.
24 Okay, triage, in this instance, means to classify a
25 consumer complaint to determine the need for further

1 investigation.

2 MEMBER: -- is that the way you're
3 classifying it?

4 LCDR. ELMBERG: No. We're classifying
5 whether the issue be investigated or not investigated.

6 So, if you're -- and you're out in the field, and you
7 were looking really, really bad, we would classify you
8 --

9 MR. HOLMES: So, you're putting all the bad
10 things together and calling it triage?

11 LCDR. ELMBERG: No, we are taking a
12 complaint. We are seeing if it meets the
13 qualifications to be investigated based on the criteria
14 that are in these slides.

15 MR. HOLMES: Okay. Thank you.

16 MR. GIOGLIO: Dr. Jan?

17 DR. JAN: Dr. Jan. I have, I think, a rather
18 simple question, but when you receive complaints via
19 the eight hundred number or compliance officers, do you
20 have -- does the system allow for redundancy? If you
21 received the same complaint from several sources, would
22 the system recognize that or does it log that as two or
23 three different complaints?

24 And, also, if I'm receiving a complaint, not
25 to say the same product, like sliced ham that caused

1 someone to get sick from eating a sandwich, if two or
2 three people ate the same lunch meat or lettuce that
3 was in the sandwich, would that show up as three
4 complaints or one complaint?

5 LCDR. ELMBERG: Okay, the database is pretty
6 simple right now. I can write -- or have our data
7 management write a simple statement. I know there are
8 certain simple statements programs into the database,
9 so we can identify if more than one person were eating
10 a product from the same establishment who's gotten ill
11 from it. That's the answer to your second question.

12 The first question was: Can the database
13 recognize if it's the same family member, you know, the
14 consumer complaint? It's pretty limited in that
15 ability at this time, but we can like search last
16 names. If there's another one that comes out. But,
17 primarily, right now we average about twenty complaints
18 -- and Judy and myself are the ones who triage it, so
19 we're very familiar with it, so we can easily recognize
20 when it's the same complaint. That happened at that
21 university and it happened, recently, we had a husband
22 and wife call in, and then we would combine those
23 cases.

24 Oh, and Mr. Holmes, a better answer to
25 triage. I apologize that we weren't clear on it.

1 Page, I think it's thirteen, triage and consumer
2 complaints. That kind of lets you know how we go
3 through the process. We look at those criteria and if
4 meets those criteria and if it doesn't, if you'll flip
5 through the next slide, then we have further criteria
6 and then the overwhelming thing: That, if no matter
7 what, it looked like a public health hazard, then all
8 bets are out and we investigate.

9 MR. HOLMES: Basically, what you're saying is
10 that if it looks bad we're going to triage it?

11 LCDR. ELMBERG: No, every case is triaged.
12 Every case is triaged. We can't tell if it looks bad
13 or not until we run it through the people's statements.

14 MR. HOLMES: Okay.

15 DR. MCKEE: Okay. Thank you. What I'd like
16 to do is we'll take a ten minute break and I'm going to
17 start directly at twenty until three. I'd like to
18 cruise along so we might be able to expand on a couple
19 of our other subjects for more questions and so forth,
20 so I will start right back at twenty till.

21 (Whereupon, the parties had a short recess
22 and the meeting subsequently resumed.)

23 DR. MCKEE: Next on our agenda we have the
24 legislative update by Mr. Bryce Quick. What I wanted
25 to do is, since we're running a little bit behind, I'm

1 going to defer the presentations that I had mentioned
2 earlier to the first thing in the morning. That will
3 give us a few minutes as well to maybe get back on
4 schedule where we'll have an opportunity to have more
5 dialogue with our questions. So, with that, Mr. Quick
6 will give us the legislative update.

7 MR. QUICK: Good afternoon. I've been told
8 to speak very rapidly, so I will try. What I'd like to
9 do is briefly walk you through some of the legislative
10 activity that affects FSIS operations.

11 As most of you know, before the Congress
12 recessed and went home for the election, they had not
13 passed any of, or most of, the preparations, but
14 including that -- spending bill. So, I'm going to
15 start off talking about what's critically important to
16 the Agency and that's our spending, our funding source.

17 Both the House and Senate have reported a
18 bill out of the Committees and right now we're waiting
19 for them to come back and conference and work out the
20 details of this.

21 Neither has been -- the final bill has not
22 been considered on the floor of either House. The
23 House Bill contains \$73.5 billion dollars worth of
24 spending. That's a very big number. Ours is
25 relatively small. A portion of that, the Senate side,

1 was \$74.3 billion dollars. Of course, most of that is
2 food stamps and requirement payments.

3 The line share of the money that goes to FSIS
4 is, of course, in sellers and expenses out to our
5 inspection force. President Bush asked for \$763
6 million dollars. The House version is \$755 million
7 dollars and \$766 million dollars in the Senate Bill.

8 Those numbers look, between the House and the
9 Senate, about ten million dollars apart, but if you
10 make the way the bills are constructed, they are closer
11 than they appear. There was some money that was backed
12 out.

13 The bottom line for the Agency is the House
14 Bill provides about forty million dollars in increases
15 to what FSIS can do and new programs and out in the
16 field. The bill also encourages us to complete the
17 listeria a risk assessment and begin to revise the
18 listeria action plan, using a scientific basis.

19 The Senate Appropriations Bill, while
20 slightly more, provides about fifty million dollars
21 more in additional spending for the Agency. It also
22 adds on -- it's a rider of five million dollar and put
23 on by the Chairman of the Committee, rather Senator
24 Byrd. Five million for at least fifty additional
25 inspection personnel to work on the humane methods of

1 slaughter.

2 Of course, some of the other things that are
3 in this bill are appropriations that fund our partner
4 agencies. AFIS is one. These are some of the things
5 that they will be funding, if it is passed and that is
6 the foot and mouth portions. The Senate Appropriations
7 Bill increases funding to destroy and to dispose of
8 animal carcasses suspected of having TSEs and other
9 diseases.

10 ARS, another important partner of the Agency
11 increases funding to conduct -- of research on
12 listeria. The Senate Bill also has a similar fund for
13 ARS, listeria and and CWD.

14 I'll buzz through some of these. FDA is
15 another important source for us.

16 The bottom line, as you all know, November
17 5th brought us -- it's created an interesting situation
18 for the Agency of the Department and right now you've
19 got a Congress that the rumors change by the minute as
20 to what they are going to do with the continuing
21 resolution and to fund the government.

22 When they left us on our second continuing
23 resolution, it gets us through November 22nd and when
24 they return, if they return on the 12th, it's still yet
25 to be determined whether or not they will follow the

1 OMB recommended course of action, which would fund the
2 government on a CR through the end of the year, the
3 fiscal year, or, if they'll come back and pass the
4 Appropriations Bills.

5 They could do either or, but it's really up
6 in the air as to what course they're going to pursue on
7 that. So, what that does for the Agency is that it
8 leaves us in a situation where our funding levels are
9 kept frozen after 2002 fiscal level. So, it means that
10 we cannot begin work on any of the new initiatives that
11 we have in the pipeline and that we keep it where we
12 were last year.

13 Before I move on, I was going to recap some
14 of the initiatives passed on the Farm Bill. Are there
15 any questions on that?

16 Okay. Six months ago we discussed the Farm
17 Bill that had been passed and some of the initiatives
18 that affect FSIS. Just want to give you an update on
19 where we are on those items. One of the provisions in
20 the Farm Bill was the overtime and holiday pay rates
21 affecting our veterinarians. I can tell you that a
22 proposal has been put forward to the Secretary and we
23 are waiting back to hear from them and their views on
24 that.

25 Another is the humane methods of slaughter.

1 There was sent to the Congress a provision in that Bill
2 that asked us -- it actually instructs us -- to
3 continue tracking the number of violations and putting
4 in force the humane methods of slaughter, which we have
5 continued to do and we anticipate reporting our results
6 back to both Committees, Appropriation Committees.

7 Another provision in the Farm Bill was a Food
8 Safety Commission, the presence of an appointed Food
9 Safety Commission, and the Appropriations Committee has
10 instructed us to proceed forward on putting this
11 together, but expect funding in 2004 for the creation
12 of this important Board.

13 The last thing is an issue that has been
14 brought up earlier today and that the subcommittee will
15 discuss further in this evening's discussion and that's
16 the state inspection system's review, and Bill Leech
17 and Ralph Stafko gave a good report on that, that we
18 were proceeding, that we are on target, those reviews
19 are taking place, in accordance to recommendations of
20 this Committee six months ago, that we were to use the
21 reviews that we have thus far, that we've done over the
22 last two to three years, and then conduct the ones that
23 we haven't done.

24 Also, this Committee recommended that if we
25 need additional time, that we can actually do that. We

1 can send a letter up to the Congress, asking for
2 additional time. I can tell you that the reviews are
3 proceeding forward and we expect to be on target, but
4 as the Committee recommended, if we need to use
5 additional funds, yes, we are going to do that.

6 Our matrix is being creative, to -- let me
7 just read -- fully comply with the recommendations of
8 the Congress. What they tell us we need to do is that
9 we should report a full review of state inspection's
10 systems. We should offer guidance about changes the
11 state systems might expect should the statutory
12 prohibition against the interstate shipment of state-
13 inspected product be removed and we're doing this with
14 an eye towards including the mandatory requirements of
15 the Federal Meat Inspection Act and the Poultry
16 Products Inspection Act. So, a matrix is being
17 developed following review of all the programs to send
18 up to the Congress.

19 And that's all I have for now. Any
20 questions?

21 DR. MCKEE: Okay. Thank you, Mr. Quick.
22 Next on the agenda is the National Advisory Committee
23 for Microbiological Criteria Foods that is going to be
24 presented by Ms. Gerri Ransom.

25 MS. RANSOM: Good afternoon. I'm going to be

1 presenting an update on the Micro Committee or NACM.
2 I'm going to focus on the highlights of our August
3 meeting and I'm going to be giving you an overview of a
4 couple of the final work products that were achieved at
5 that meeting. That is a performance standard document
6 and, also, a review of a NACM document.

7 I'm also going to cover some ongoing and new
8 work. I'm going to give you an update on the Shelf
9 Life Subcommittee. Also, I'll talk about a new --
10 charge and talk about a new work area on redefining
11 conservation as well.

12 The largest work product that came out of the
13 August meeting was the performance standard document or
14 the final response to the questions posed by FSIS
15 regarding performance standards, with particular
16 reference to ground beef products.

17 I'm going to spend most of my time today
18 giving an overview of this work product. Basically, as
19 we know, FSIS designed the salmonella performance
20 standards to verify the adequacy of -- systems. FSIS
21 put forth the charge to enactment that was composed of
22 several questions and what they hope to seek.

23 And the answers to these questions, which I
24 think we will see that they got, is some general
25 scientific principles allowing you to develop sound

1 performance standards and, also, how to apply these
2 scientific principles to revising performance
3 standards.

4 As you can see, this document does have
5 particular reference to ground beef. Due to time
6 limitations today, I'm only going to talk about some of
7 the more general recommendations.

8 This document outlines for us the performance
9 standards defined and expected level of control in one
10 or more steps in process. It also tells us that
11 establishing and meeting performance standards are
12 means of reaching public health goals.

13 At the beginning of NACM the -- question one:
14 What are the key scientific considerations that need
15 to be attended to in developing and using risk
16 assessments for applications to developing performance
17 standards?

18 I'm going to go through each of these
19 questions and try to bring out for us some of the
20 highlights of the NACM responses.

21 Some general principles relating to question
22 one that were outlined include that the stringency of a
23 performance standard needs to be proportional to the
24 risk and state public health goals. And going along
25 with this NACM tells us that the consideration of risks

1 is what links the performance standards to public
2 health goals.

3 Therefore, you can see the importance of risk
4 evaluation and risk assessment in providing supporting
5 material and information for developing performance
6 standards.

7 Now, in considering revising performance
8 standards, its important information NACM felt it very
9 important to bring out in risk assessment, the
10 information includes what the level of risk of
11 salmonella, salmonellosis is, was prior to the
12 performance standard for particular products.

13 Also, what the -- risk of salmonellosis is
14 for that particular product; what the potential of new,
15 current or new, technology is, and are, to further
16 reduce the prevalence of salmonella in the product and
17 consideration; and, also, what is the risk under a
18 tightened performance standard of salmonellosis?

19 Again, risk assessment is very important to
20 supporting information for performance standards NACM
21 turned out for us. That those exposure assessments are
22 very important. Particularly, on the exposure
23 assessment-side, there is some data -- that need to be
24 worked on. NACM pointed out quantitative data on the
25 meat and poultry is needed.

1 Also, data on the proportion of salmonellosis
2 attributed to FSIS-regulated products is important.
3 Data on industry practices allowing reduction of
4 salmonella in these products. And, also, data on the
5 success of reducing other enteric pathogens -- and --
6 salmonella.

7 As you can see, as we go through these
8 questions, we're getting some very sound, scientific
9 information to work on performance standards
10 development and revision.

11 I'm going to move on to the next question
12 now. Question two: What constitutes the scientific
13 sufficiency to support the -- indicated organism -- of
14 a specific pathogen for measurement against the
15 performance standard. NACM points out to us that an
16 indicator organism indicates a state of condition. --
17 indicator organisms -- right now, we've got generic
18 and salmonella being used as indicators of states of
19 conditions indicating process control at slaughter
20 facilities.

21 An indicator organism must meet certain
22 requirements. An indicator organisms must share the --
23 pathogen of concern, similar growth and survival
24 characteristics -- similar -- and they must be ready
25 and available to --.

1 In addition, the relationship between the
2 contributing condition to a pathogen an indicator
3 organism must exist. And if you're going to use an
4 indicator organism, you must assure scientific
5 efficiency -- is important to have data showing that
6 the microbe indicates the condition associated with
7 contamination of the pathogen concerned.

8 Also, that there be data collected, showing
9 that a decrease in the indicator also correlate with
10 the decrease in the pathogen. Actually, at --
11 operations and, also, NACM points out that it is
12 important to develop -- for tools allowing you to
13 determine whether a decrease in the indicator organism
14 parallels with the decrease in human food borne illness
15 caused by salmonella and food borne organisms in
16 general.

17 I'm going to move on to the next question.
18 Question three: What constitutes scientifically,
19 appropriate methods for considering variations that may
20 be due to regionality, -- or other factors for
21 developing performance standards?

22 NACM points out understanding variability is
23 very important in keeping, -- requiring and evaluating
24 data -- scientifically appropriate.

25 [inaudible]

1 In designing the study, -- talks about
2 considering a pool process from live animals and client
3 product. It helps if you look at this -- and the
4 modules and -- suggests looking at microbiological --
5 in animals at slaughter. Also, slaughtered -- at
6 prevention, looking at interventions and, also, the --
7 of the product. -- factors, these -- arrive in any one
8 of those modules I previously mentioned, some from the
9 from first module being the status of animals at
10 slaughter, seasonality, regionalality, animal husbandry
11 practices, weather conditions, feed regime, animal age,
12 health, transport of animals, holding conditions.

13 You can see some of these things would be not
14 controllable. Other would be controllable. For
15 instance, weather conditions is not controllable versus
16 animal holding conditions.

17 As equally important to collecting your data,
18 is data analysis and NACM prescribed using appropriate
19 methods, such as reciprocal process control, analysis
20 variance, progression analysis, for other appropriate
21 methods.

22 Moving on to question four: What special
23 considerations need to be attended to in the
24 development of quantitative baseline data and
25 subsequent use of performance standards?

1 Well, first of all NACM has outlined some
2 general principles for us, including that quantitative
3 data is more relevant to public health. It's important
4 for exposure assessment, risk assessment. Also,
5 quantitative data more accurately allows us to measure
6 pathogen reduction. We can monitor more -- changes,
7 the processing changes. And, also, NACM points out to
8 us that technical challenges, actually are not
9 substantially more complex, which FSIS suspected that
10 perhaps it could be.

11 However, the biggest issue seems to be with
12 these methods for quantitation, are more expensive and
13 time consuming. In collecting quantitative data, you
14 want to keep close attention to setting up the studies,
15 statistical input to design is important. Sample
16 collection, shipment, laboratory analysis are critical.

17 Of course, control on time-temperature is very
18 important in your data. It can cause changes in the
19 data.

20 Balance -- moving onto the next point --
21 balancing the information gain with the cost is
22 something else to consider with quantitative baseline
23 data. And, finally, NACM points out we really need
24 better methods in order to accomplish quantitative data
25 and baselines. Particularly, we need higher -- methods

1 and also the cost-effective methods. And replacing MTM
2 would be tough. A good start.

3 Some additional questions that were posed
4 that helped nicely round out this work that were put
5 together by Dr. Elsa Murano and Dr. Kay Loftsmith.
6 These two questions include: How are performance
7 standards working and are they helping to ensure the
8 safety of the nation's meat and poultry supply? And,
9 also, are there more effective alternatives to
10 salmonellosis performance standards, and, if so, what
11 would these be?

12 In considering performance standards
13 effectiveness, one thing NACM pointed out that --
14 performance standards, they have stimulated the
15 development and implementation of interventions.

16 Also, if you look concurrent with
17 implementation of performance standards and their
18 operation over time, we have seen a decrease in the
19 frequency of salmonella isolation in FSIS verification
20 samples. And we have also seen in -- data, if you look
21 at the 2001 report showing the 1996 to 2001, perhaps
22 been a fifteen percent decrease in overall human
23 salmonellosis.

24 Getting to the nuts and bolts of the first
25 question, are performance standards working, what NACM

1 points out and has determined through their analysis is
2 that existing public health statistics do not easily
3 allow you and are not set up for us to be able to
4 determine the reduction in food borne disease
5 attributed to performance standards. Therefore, NACM
6 recommends that CDC and FSIS collaborate to measure the
7 impact of performance standards for raw meat and
8 poultry on salmonellosis and other food borne diseases.

9 On the alternative part of the question,
10 there are some things that NACM points out, regardless
11 of the approach to control, there should be an
12 underlying microbiological criterion that the
13 performance standards are right on target here. They
14 also point out that performance standards articulate
15 goals leading to increase public health. Further, NACM
16 points out that performance standards do maximize
17 flexibility and improvement strategy.

18 As far as what possible alternatives might
19 be: Indicator organisms, use of those would be one.
20 Also, there are a number of things that could be
21 mandated in place of performance standards. This
22 includes mandating pathogens in fowl at farms, at grow
23 -- antemortems. Also, mandating performance criteria,
24 specific process steps, mandating interventions that
25 proven work or mandating continuous improvement

1 criteria, which would include setting a goal, perhaps,
2 a ten percent reduction in prevalent per year until you
3 reach a final goal.

4 One of the final conclusions of the
5 performance standard work is that performance standards
6 are valuable and useful tools to define an expected
7 level of control in one or more steps in the process.
8 This is provided that general principles are met and
9 many are outlined in the document for us.

10 As far as the next steps, NACM will plan to
11 continue work planned with specific recommendations on
12 other products and currently charge the actions under
13 preparation.

14 Changing gears and moving to the additional,
15 the second final work product that came out of our
16 August meeting. This is a review of the Codex
17 discussion paper on supposed draft guidelines for the
18 validation of food hygiene control measures.

19 This paper, the Codex Committee on Food
20 Hygiene paper that steps out to give comprehensive
21 coverage of food safety control measures, based on a
22 food safety outcome approach that fills in flexibility
23 to control measures. NACM's review of this paper, NACM
24 leant expertise and input; they recommended adding a
25 scope factor, including a discussion of validation

1 versus verification activities and also including
2 discussion on things such as production procedures,
3 such as cooking and cooling versus employee behavior
4 and good hygienic practices, which are more -- as
5 opposed to production procedures, such as cooking,
6 where validation is just comparable. Those are more
7 difficult to validate and verification may be not
8 appropriate.

9 So, basically, the NACM review did turn out
10 to clarify issues in this document and strengthen it.
11 The Codex Committee on Food Hygiene will consider these
12 U.S. comments, along with comments of other countries,
13 at their January meeting.

14 Also covered at our August meeting was an
15 update on criteria for shelf-life based on safety.
16 This subcommittee helped work-in-progress. We hope
17 soon to see a draft document. Basically, the focus of
18 this work is on scientific parameters for safety-based
19 -- for refrigerated, ready-to-eat foods. The main
20 concentration of this work is on psychotropic
21 pathogens. Particularly, the growth over the
22 refrigerated storage of foods and increased risks of
23 food borne disease.

24 The top three pathogens of concern in this
25 work are: sera mono schizogony, -- and also non- --.

1 A new campylobacter charge was also addressed at this
2 meeting and introduced. This is a FSIS work charge
3 asking that NACM look at the analytical utility of
4 identification and quantification methods for
5 campylobacters' use in the FSIS baseline study. These
6 were on poultry carcasses.

7 Charged specifics include that NACM's review
8 and compare baseline methods are particularly looking
9 for accuracy and decisions in determining prevalence
10 and quantification information and also part of this
11 charge includes comparison of these methods, this
12 recent methodological advances, and looking at how the
13 methods are able to produce the information for risk
14 assessment baselines.

15 Finally, at our August meeting, a new FDA
16 work area was introduced and this is redefining
17 pasteurization, which is going to be a new subcommittee
18 and work area called Scientific Criteria for Redefining
19 Pasteurization. This work is an FDA work to define
20 pasteurization within the scope of the 2002 Farm Bill.

21 The focus of this work is going to be looking
22 at the most resistant organisms of public health
23 concern and the parameters to control those organisms.

24 A goal of this work is that when pasteurization claims
25 are made, we can be rest-assured that the food is

1 indeed pasteurized and safe.

2 There is a great degree of complexity built
3 into this project of the diverse number of foods that
4 are pasteurized and the diverse ways in which they are
5 pasteurized and the parameters. The scope of this work
6 even increase more when you begin to think about some
7 of the newer ways to achieve pasteurization. When you
8 look at radiation and, as I said, there is just a
9 diverse number of foods that are pasteurized from
10 seafoods to juices. I think we can consider things
11 like read-to-eat foods, as well.

12 So, it's going to be quite an interesting
13 work come of out this project and I'm looking forward
14 to seeing it. Right now a subcommittee is being formed
15 and FDA is working to further define this work charge.

16 With that, I've given us coverage of what was
17 presented at the August meeting and I think that also
18 includes coverage and update of the Micro Committee
19 Activities. Our next plenary session is slated for
20 March 2003. A date has not been set yet. The actively
21 working subcommittee will be the performance standards
22 of committees, shelf-life and redefining
23 pasteurization. We anticipate that each of these
24 subcommittees will have a meeting in January and also
25 in March, the same weeks we have the plenary session.

1 Lastly, I just wanted to leave you with URL
2 for the NACM web page for information, updates and
3 available documents. Thank you.

4 MR. GIOGLIO: Ms. Foreman?

5 MS. TUCKER-FOREMAN: Thank you. Ms. Ransom
6 had to cover a lot of material in a short period of
7 time and since I read this report very carefully, I
8 think there are some points that are important there
9 that didn't get the emphasis that they warrant.
10 Beginning with the finding on page three, the
11 conclusion of the Committee.

12 The Committee concluded that performance
13 standards that make the principles as outlined in this
14 document are valuable and useful tools to define an
15 expected level of control in one or more steps in the
16 process. In response to question one, the Committee
17 recommends the consideration of risk, but states:
18 "This consideration of risk may not necessitate in all
19 situations an in-depth, quantitative risk assessment,
20 which requires extensive resources and time.
21 Particularly, if it would unnecessarily delay timely
22 protection of public health."

23 I got a couple of others because I think they
24 make an important point since these performance
25 standards have been under attack from the minute that

1 they were begun. If you get over to page seven,
2 question two: What constitutes scientific sufficiency
3 with regard to salmonella performance standard? The
4 Committee points out that when HACCP systems and other
5 pre-requisite programs in ground beef operations are
6 adequate and verified, the measurement of salmonella
7 reflects the total process control. Particularly, the
8 microbial conditions of raw materials.

9 I have two more. With regard to the
10 question: How are these standards working and are they
11 helping to ensure the safety of the nation's meat and
12 poultry supply?, something which I think is really
13 basic that we're looking at here, as previously
14 indicated, microbiological performance standards are
15 intended to effectuate a decrease in the presence of
16 enteric pathogens in raw meat and poultry with the goal
17 of improving health, public health.

18 The Committee considers microbiological
19 performance standards an important tool in advancing
20 microbiological safety of meat and poultry to
21 articulate clearly to the industry the Agency's
22 expected level of control of the HACCP system,
23 including sanitation SOPs.

24 And, finally, on page seventeen, in response
25 to question two: Are there more effective

1 alternatives?, I believe, this may be the most
2 important of all, while the Committee has identified
3 some outcome-related alternatives, there is a general
4 consensus that performance standards articulate the
5 goals that are expected to lead to an improvement in
6 public health. Use of performance standards generally
7 maximizes the flexibility in relation to finding new
8 strategies for improvement.

9 Thank you.

10 MS. RANSOM: Thank you for the added
11 information. As you know, I was under time
12 constraints.

13 MS. TUCKER-FOREMAN: You were indeed.

14 MR. GIOGLIO: Ms. Donley?

15 MS. DONLEY: Nancy Donley and Carol kind of
16 read my mind here and pretty much did what I wanted to
17 do as well is to emphasis some of those points, but I
18 have one other one that I just would like to make sure
19 I'm reading correctly and, if not, would you please
20 clarify it for me and that is on page sixteen, which
21 states -- this is talking specifically about ground
22 beef and that the Committee also noted decreased
23 incidents of salmonella as reflected in the Agency's
24 verification data in raw meat or poultry has not led to
25 a decrease in disease associated with 0157:H7 in

1 ground beef.

2 I just want to make very sure because the
3 Committee obviously recognized the good that a
4 performance standard does in verifying process controls
5 in salmonella. I just wanted to make sure that the
6 Committee here is not saying that give it up the
7 salmonella performance standard for ground beef, but
8 that it's not enough to control 0157:H7.

9 MS. RANSOM: Well, the document itself talks
10 about that needs to be explored further and I'll call
11 on Dan Engeljohn to see if he would like to add
12 anything.

13 DR. ENGELJOHN: This is Dan Engeljohn. On
14 that response, I would say that the Committee did
15 recognize that there are benefits to the performance
16 standards in how both salmonella and 015 are reacting
17 to those performance standards, but there seems to be
18 some question as to what that relationship is. And,
19 so, for that reason, and as I recall, that question was
20 also related to the issue of looking at having one
21 pathogen to effect changes in other pathogens and how
22 that would work.

23 And, so, it raised the question in the
24 Committee's mind that there are other factors in play,
25 that there may need to be other considerations made to

1 effect a change in pathogens that interact differently.
2 So, that's really where the resolution was, that we
3 needed to look into that issue further.

4 MS. DONLEY: So, when you say, do you mean
5 other or additional measures that may need to be taken
6 specifically to address the problem of 0157 in ground
7 beef.

8 DR. ENGELJOHN: I would say that overall the
9 Committee's thought process on that issue would be that
10 it would be additional.

11 MS. DONLEY: Thank you.

12 MR. GIOGLIO: Okay, thank you very much. Dr.
13 Johnson?

14 DR. JOHNSON: Thank you. Alice Johnson with
15 the National Turkey Federation. Just a couple of
16 questions based on what Gerri just told us. The
17 recommendation that CDC and FSIS work together to try
18 to come up with some relationship between the
19 salmonellosis and the products covered by FSIS, have
20 any discussions been initiated with CDC? I know there
21 may be a question of funding. Has any of that already
22 in progress? Have you started working through that?

23 And I know the Committee talked about
24 performance standards and the need to re-evaluate the
25 data that was used to establish the first baseline and

1 look at things like regional and seasonal and a number
2 of samples would be taken. Has the Agency looking at
3 any of that currently?

4 DR. MCKEE: Dr. Engeljohn?

5 DR. ENGELJOHN: I'm sorry. I missed the
6 second part to that question. You might have to repeat
7 that, but the first part was: Are we working with CDC
8 or beginning the process to try to identify measures to
9 better identify public health impact with regard
10 specifically to our products? And, yes, those
11 discussions have been underway and there are, of
12 course, many issues related to that. But, yes, we are
13 actively looking at ways to better measure the impact
14 of public health with particular regard to the products
15 that FSIS regulates.

16 And, I'm sorry, Alice, could you tell me what
17 the second part was?

18 DR. JOHNSON: Thank you, Dan. Yeah, just on
19 looking at their suggestion that you need to take into
20 consideration different parameters and do more intent
21 studies together to conduct another baseline for things
22 like salmonella. Have you looked at -- I know the
23 Committee threw out several factors that needed to be
24 considered. Is there anything in progress to look at
25 how another study would be structured?

1 DR. ENGELJOHN: With specific regard to FSIS
2 baseline studies, that's the question. The Agency has,
3 in fact, had numerous discussions internally on how to
4 proceed with ongoing baseline studies. I think when we
5 issued the PR HACCP final rule, we had a discussion in
6 there that there was the intention to revisit the
7 performance standards over time and revisit the issue
8 of how we adjust performance standards.

9 And, as we had them implemented, we've
10 recognized that we do need to ensure that we have some
11 ongoing process to look at that. It's a resource issue
12 because taking time to do baselines takes away the time
13 or the resources that are individuals are using to look
14 for pathogens of public health concern. And, so, we
15 have active discussions underway about individual
16 baselines and then how we can conduct them on an
17 ongoing basis.

18 DR. JOHNSON: I was just going to add the
19 part about the resources.

20 DR. MCKEE: Okay, thank you very much. Next
21 on our agenda we have an issue on Escherichia coli
22 0157:H7 Developments. Dr. Daniel Engeljohn will make
23 the presentation. Dr. Engeljohn?

24 DR. ENGELJOHN: Thank you. I've going to --
25 I don't have a Power Point presentation, so I'll just

1 remain here and make it from here if that's okay. I
2 want to present some information on a pro-active way at
3 looking at how the Agency addresses 0157:H7 and that
4 aspect deals with how we conduct our in-depth
5 verification reviews and how to trigger those reviews.

6 In Tab Five of your notebooks, you have some
7 information that relates to our in-depth verification
8 activity. You have an issue paper, which I will go
9 over and the questions that I would like the
10 subcommittee to deal with this evening and then, also,
11 contained in your packet is a copy of the Federal
12 Register Notice that came out on October 7th of this
13 year, which identified the Agency's belief that
14 manufacturers of raw beef products needed to reassess
15 their HACCP plans with regard to 0157:H7.

16 Behind that document is the document on
17 conducting a target, in-depth verification review.
18 It's FSIS Directive 5500.1 and it issued in October of
19 2001. And that document sets out the procedures that
20 the Agency currently uses in an in-depth verification
21 review and that would be a document that contains
22 information on how we now schedule them and may give
23 the subcommittee some ideas as to considerations that
24 could be used to expand moving forward in a pro-active
25 way.

1 And then, also contained in this packet is a
2 draft document that relates the role of the
3 microbiological practices and data that would be
4 collected and utilized in those in-depth reviews. It's
5 a document that sort of lays forward the types of
6 microbiological issues that we need to look at and you
7 will note that it also deals with 0157, but,
8 specifically, at the grinding plants and doesn't
9 address the issue of slaughter and fabrication.

10 And then, I believe, if you haven't already
11 received it, there's a one-page document that
12 identifies the findings, some general findings, that
13 the Agency has pulled together from three of the in-
14 depth verification reviews that we conducted on 0157 to
15 give you idea, in a general way, of the type of
16 information that we have collected.

17 For those of you who are not familiar with
18 in-depth verification reviews, these are reviews
19 conducted by subject matter experts usually that are
20 controlled and managed by our Technical Service Center
21 as the leading activity for individual in-depth reviews
22 and they generally are requested by the district
23 manager to have a special review done of an operation,
24 which, generally, has had multiple failures for some
25 activity or may be involved in some epidemiological

1 outbreak and that's what we call "for cause" or
2 "targeted" in-depth reviews.

3 In the directive that you have access to you,
4 we lay forward the mention that the Agency intends to
5 begin doing random reviews, so the discussion for today
6 and this evening really relates to the random reviews
7 that we would do. In particular, if there is -- cause
8 for looking an IDV at a particular operation.

9 Some of the aspects that have taken place
10 since we've implemented this program a little over a
11 year ago is that our consumer safety officer program
12 has developed and is actively looking in an intense
13 way, in a comprehensive way, at the implementation and
14 execution of HACCP plans and that team is composed of,
15 generally, specially trained, in-field personnel, but
16 not necessarily a team of individuals and,
17 particularly, a team spread from around the Agency,
18 which the IDV is a team of subject matter experts from
19 across the Agency.

20 In any case, we've begun those CSO reviews
21 and will operate them in a major way. The first
22 activity related to that is also related to our
23 0157:H7 reassessment policy, which was issued, as I
24 said, on October 7th and for which the first activity
25 related to that is effective today. Today was thirty

1 days after we issued that notice and our inspectors in
2 raw beef operations were tasked with finding out today
3 whether or not plants are aware of the reassessment
4 notice and are going to begin that activity.

5 For large plants, the first reassessments are
6 to have occurred by December 6th, so there's another
7 month before those actions actually take place. But
8 it's important to note that in your consideration of
9 the CSO reviews.

10 In those reviews, the consumer safety
11 officers are actually collecting four pieces of
12 information and that information relates, in part, to
13 heavy establishments reassess their HACCP plans prior
14 to the notice that came out on October 7th and then,
15 secondly, if they have reassessed their HACCP plans,
16 what did they do? What is the documentation and issues
17 related to that reassessment? And then, finally, if
18 they have not reassessed their HACCP plans, then why
19 not?

20 So, from those CSO reviews of the roughly
21 twenty-six hundred plants that will be undergoing those
22 reviews, the Agency will have feedback as to what the
23 plants are doing with regard to HACCP controls for 0157
24 and what types of activity they undertook to address
25 the reassessment. So, that information would be

1 important information that the Agency would have access
2 to.

3 Along those lines then, the Agency is looking
4 for input as to how to begin the process of focusing at
5 fabrication in slaughter plants. Our present activity
6 related to 0157, in the short term, in particular, will
7 continue to focus on testing ground beef products for
8 1057:H7. We have not yet instituted a targeted testing
9 program in which we look at trim that's going to be
10 used in ground beef, although that is an intention for
11 us to develop that program and to focus on carcasses.

12 But, in the meantime, the way our structure
13 for the IDVs are set up is that, if positives, multiple
14 positives, occur at a grinding operation, that plant
15 then may be eligible in the district manager's
16 determination to be assigned an IDV review. But that
17 IDV review currently is only at the grinding operation.

18 And, so, what we're looking for is input as
19 to triggers that may be used to start focusing on an
20 in-depth that may, in fact, be triggered by the
21 activity at a grinding operation but which identifies
22 supplies to that grinder, so that the Agency then
23 could, in its systems review of 0157 control, begin
24 looking back into the system and include that activity
25 in the review of an individual establishment.

1 So, rather than looking at our IDVs in an
2 individual plant basis, we're looking to expand that
3 activity by this technical subject matter group to look
4 at possibly multiple plants in an individual review.
5 That brings up resource issues in terms of how do we
6 narrow that activity down? What would be the types of
7 triggers that we would want to focus on in looking at
8 those plants and then how do we interrelate with other
9 activities that are already underway within the Agency.

10 And, in particular, the activities the CSOs are
11 conducting in their more intensified assessments of
12 individual plant performance in their HACCP systems.

13 So, on that matter then, the Agency has
14 identified that we're looking for input on whether or
15 not we should expand our resources to begin looking at
16 slaughter and fabrication plants in conjunction with
17 grinding plants when we do an IDV for a 0157:H7 and if,
18 in fact, that would be an activity that we should not
19 do, we would like to get your input as to why we should
20 not be moving in that direction. But, if, in fact, you
21 believe that would be a beneficial aspect for the
22 Agency to utilize its resources to start conducting
23 those activities, then what would be the types of
24 triggers that the Agency could consider, and should
25 consider, in trying to narrow the focus down of where

1 it would focus its reviews.

2 So, I would be happy to answer any questions
3 on that. Again, Tab No. Five is where our materials
4 are. The one-page handout that I do believe you do
5 have -- it's titled Data Analysis of 0157 IDV Reviews -
6 - just to go through that briefly with you, we've
7 conducted three IDVs. Those IDVs have been for a small
8 establishment and you can see from the information
9 presented here that, in most cases, the information
10 relates to just improper implementation of the
11 procedures that were in place in those facilities, but
12 the type of information related here also indicates
13 that more than just the grinding plant needs to be
14 assessed in looking at 0157 control.

15 So, with that, I'd be happy to answer
16 questions.

17 MR. GIOGLIO: Ms. Foreman?

18 MS. TUCKER-FOREMAN: Carol Tucker-Foreman
19 with Consumer Federation. I have a number of questions
20 and I'm going to ask a couple of them and let other
21 people have a chance and I'd like to come back and ask
22 some about the Federal Register Notice. When I go
23 through this, I run into the same problem that I always
24 run into with FSIS in-depth verification reviews. What
25 do you do? I know the process, but what is the action

1 that is taken in the end? What happened in Plant A,
2 Plant B and Plant C? Did you tell them: Fix it. Did
3 they fix it?

4 DR. ENGELJOHN: I can respond to the general
5 question. I don't know the specifics about the three,
6 but the way the IDV works, again, at the request of the
7 district manager, when the team goes in and conducts
8 this in-depth review, which generally involves a week
9 in the facility. So, the team is there for an extended
10 period of time. In some cases, those IDVs go for more
11 than a week and, in fact, many weeks in some cases.

12 But the outcome of each IDV is a report that
13 is submitted to the district manager with specific
14 recommendations as to the execution and implementation
15 with regard to the regulations, HACCP and SSOPs. The
16 follow-up to that is that the district manager then
17 takes that information, puts that in the form of a memo
18 that is submitted to the establishment management with
19 very specific requests that the plant must address
20 those issues with a corrective action planned that's
21 agreeable to the district manager.

22 So, in all cases with an IDV, there is an
23 action that the district manager takes with the
24 individual establishment and intended enforcement
25 action would follow-up if, in fact, the plant is not

1 able to identify how these failures would, in fact, be
2 addressed and in a timely fashion.

3 MS. TUCKER-FOREMAN: So, you're given a
4 corrective action plan. How long does the plant have
5 to develop the plan? How long does the plant have
6 before it has to put the plan into effect and do you
7 have a quantification of the actions taken on the
8 corrective action plans? What happens in the end?

9 There used to be a saying about if you laid
10 all the economists in the world end to end, they
11 couldn't come to a conclusion. I think, if you put all
12 the IDVs teams together in the end, you never come up
13 with an enforcement action. Nothing happens.
14 Somewhere it has to say in here, if you don't do X
15 action by Y time, Z happens. You get shut down
16 permanently. You get closed down for so many days. I
17 cannot find that in any document related to these.
18 Ever.

19 DR. ENGELJOHN: The issue of enforcement
20 action does, in fact, occur on a case-by-case basis.
21 We do have our rules of practice, which identify how
22 the Agency would move forward with enforcement actions.
23 We don't have specific time frames built into how
24 quickly a plant has to respond, but in situations where
25 there are, in fact, unsanitary conditions, or the plant

1 is not operating it in a manner that would, in fact,
2 cause us to believe that adulterated products would be
3 going out the door, the plant would not be operating.

4 MS. TUCKER-FOREMAN: Wait a minute. That's
5 like this thing about if a state-inspected plant has to
6 be equal to because it wouldn't be operating if it
7 weren't equal to. It's a circular action. Somewhere
8 you've got to qualify these are the things that
9 happened and they happened on specific dates. Can you
10 give me any instance from your personal experience of a
11 specific action taken, an enforcement action, because a
12 plant didn't follow a corrective action plan or wasn't
13 able to follow through on that plan?

14 MS. HICKS: Cheryl Hicks. Office of Field
15 Operations. I don't have any specific examples to
16 offer, although I do know that they are, and have been,
17 for sometime now developing specific verification plans
18 in response to the corrective actions that the
19 companies are giving us and they are very specific,
20 very lengthy and have specific time frames by which
21 they would have to be met.

22 Now, I'm not aware of any individual
23 instances, but I am sure there are. If they are not
24 following through on that, I mean, that's what the
25 inspection people are doing is following through on

1 corrective action plans and if progress hasn't been
2 made for a good reason, then they go to the next step.

3 MS. TUCKER-FOREMAN: What would be a good
4 reason not being done? I continue -- I had this
5 discussion with Bill -- at the last meeting. There are
6 never any deadlines for these things. There's not a
7 date by which action has to be taken and it is not
8 written anywhere what specific penalties will apply if
9 you don't do these things. I do not believe that's an
10 enforcement program. I think that, frankly, you're
11 killing a lot of trees.

12 DR. ENGELJOHN: I would respond -- this is
13 Mr. Engeljohn -- that when the letter does go from the
14 district manager to the plant, there are specific items
15 that have to be responded to and each has to be
16 responded to with a time frame for when they would be
17 completed. The district manager then when receives
18 back that letter within a very specified period of time
19 by the district manager, then ensures that's either
20 reasonable or not and follows through on that. I've
21 noted your issue about adding time constraints.

22 From my experience on the IDVs each is a
23 case-by-case basis that may, in fact, involve differing
24 actions that would take time, but we certainly are
25 collecting data from all the IDVs that we have done.

1 From a policy standpoint, we're looking at what are the
2 proposed corrective actions for each of the items that
3 are identified in IDV by the IDV team and trying to
4 assess how much time it took until the district manager
5 determined that the actions were, in fact, suitable.

6 So, that type of information is, in fact,
7 being collected. We are looking at it in an analytical
8 way, from a policy standpoint to see if, in fact, we
9 can move in the direction of placing time frames around
10 actions for which we've already identified. There are
11 some repeat issues here that can, and should be, likely
12 handled in the same way.

13 MS. TUCKER-FOREMAN: You know, if you were a
14 parent dealing with a teenage child, you'd have a
15 juvenile delinquent because they know nothing is going
16 to happen in the end.

17 MR. GIOGLIO: Mr. Holmes?

18 MR. HOLMES: Marty Holmes, North American
19 Meat Processors Association. I have a couple of
20 questions, but I would like to make a comment in that
21 regard. We do help members write letters in response
22 to IDV situations for they are, basically, putting
23 their name on the line and a time for the district
24 office and the IDV team of when they will get what
25 accomplished and we have that situation where if you

1 don't have that done in time, you do get shut down.

2 So, there's, I guess, in consideration,
3 whatever time frame they agree to, just like your HACCP
4 plan, you're basically riding -- you're painting
5 yourself in the corner. You're either going to do it
6 or you're going to suffer the consequences. So, in
7 that regard, I'd like to make that statement.

8 A couple things here I just wanted to double
9 check. Dan, on this one-page document that you handed
10 us, this draft analysis, you were saying that you've
11 done, you're not saying you've only done three IDVs?
12 You're saying you've done three IDVs in where an
13 establishment had multiple 0157:H7s?

14 DR. ENGELJOHN: Yes. To clarify, these are
15 three IDVs on 0157:H7 alone.

16 MR. HOLMES: Thank you. The other general
17 comment I'd like to make is that, and I'll certainly
18 discuss this tonight in the subcommittee, we've been
19 preaching since '94 that in a raw and -- plant where
20 we're grinding products and 0157:H7 has -- in my ground
21 product, but is not in my raw material, that we need to
22 look back at the supplier of that organization. So,
23 certainly, we'll make some comments this evening that
24 in only makes sense that if I'm buying the 0157:H7 to
25 begin with, we need to see who my suppliers are.

1 MR. GIOGLIO: Ms. Donnley?

2 MS. DONLEY: Thank you. Nancy Donley from
3 STOP. Just a quick follow-up on a point that Marty
4 made and that is that they have to suffer the
5 consequences. Well, that's the problem. There are no
6 consequences and the process just gets strung out and
7 strung out and strung out and strung out and nothing
8 gets done because the Agency doesn't have the tools to
9 make anyone pay attention. And, also, another part to
10 what Carol would say, I will say, this problem isn't
11 limited to just IDVs either.

12 It's the whole problem of the inspection
13 system. It's right through the whole inspection
14 system. The NRs that are given out. NR after NR,
15 after NR, after NR and nothing gets done because there
16 are no time parameters put on to have anything done.
17 Either you get it done or you pay the price, but
18 there's no price to pay, so we're going in this vicious
19 circle.

20 I do have a couple of specific questions for
21 Dan. How costly is an IDV?

22 DR. ENGELJOHN: The Agency does not have
23 information on the cost associated with an IDV. We
24 truly would be appreciative of industry if they would
25 package that type of information and provide it to us

1 so that we could, in fact, use that. The reason I say
2 that it would be important information is because the
3 Agency does need to be aware of the impact of its
4 programs.

5 Its enforcement programs have impact, in
6 particular, in small and very small plants for which
7 increasing numbers of executive orders identify that we
8 must take into account those impacts and since we don't
9 have that type of information, we, therefore, make
10 estimates when we put together proposed rules. That's
11 one aspect of what we look at is the effectiveness of
12 the rule and non-compliance. It's an area for which we
13 are beginning to have partners with other economic
14 associations that are looking into these issues to try
15 to document the impact of Agency actions related to
16 IDVs, related to recalls and so forth.

17 All that information is an important aspect
18 for which if we were to put time constraints into any
19 enforceable document, it would require us to have a
20 regulation and in order to have that reg, we would need
21 to know what it impacts.

22 MS. DONLEY: I guess, I really don't care how
23 much it costs the plant to implement. I really don't
24 care. Whatever they do to get it done and be able to
25 produce a product that is worthy of USDA -- approval.

1 I don't care if it's a small business. They shouldn't
2 be in business if they can't do it, if they can't meet
3 it.

4 My question is how much does it cost the
5 Agency to do the actual verification?

6 DR. ENGELJOHN: This is Engeljohn. I would
7 answer that, at this time, we do not have an answer for
8 that, but I can tell you that in part of the
9 accountability that Dr. McKee has held the Agency
10 managers to is that we have started a process analyzing
11 all of our programs. In particular, the IDVs is an
12 area where we are, in fact, looking at how effective
13 they are in terms of making change, how much resources
14 they take to implement, because the intention is to
15 continue to have an ongoing IDV operation, but we first
16 have to demonstrate that they're effective and it gets
17 out the issue of having an IDV and not following
18 through is one thing, but we do need to capture that.

19 So, I would say that we will be looking into
20 analyzing IDVs in particular because of their costs and
21 their impact on the Agency. We will be looking at that
22 on the industry as well.

23 MS. DONLEY: And if I can just make one very
24 brief follow-up comment. I am on the subcommittee and
25 I'm really looking forward to getting, and it's going

1 to be a very lively discussion, but is there any sort
2 of accredited, independent agency that can do IDVs --
3 and also is there any sort of precedent that companies
4 -- because the ones that need the IDVs, frankly, are
5 the ones who it sounds to me is having a routine
6 problem and probably a problem that's been pretty
7 flagrantly disregarded for a period of time -- do we
8 have any precedents of company picking up the cost that
9 the Agency incurs to have to have an IDV done?

10 DR. ENGELJOHN: This is Engeljohn. I would
11 respond that within the Directive 5000.1 that you have,
12 there is a brief discussion in there of do we consider
13 these IDVs to be audits and we do use the same type of
14 tools, in part, that an audit is used to look at this
15 system and how it's functioning. So, from the
16 standpoint of: Are there three party auditing
17 associations out there? Yes, there are. But the issue
18 for the Agency is that we're looking at implementation
19 in terms of aspects with our own regulations and
20 policies and the teams that do these IDVs involve
21 policy-makers or microbiologists or public health
22 individuals and a cadre of our compliance in other
23 field operation people and, so, it's expertise from
24 within the Agency that is, in fact, giving sort of a
25 third-party review.

1 To get at the issue of cost, no, no company
2 has volunteered to pay for that. The Agency has looked
3 at the activity as one for which we have a
4 responsibility to do. It's one way that we can look at
5 improving internally the operations.

6 From a policy standpoint, for which I am in
7 policy, I view these IDVs as providing very important,
8 critical information on how we need to improve both our
9 training materials for our own employees, as well as
10 the policy documents that employees use on a day-to-day
11 basis and the industry use in terms of the regulations
12 for the policies that are there to articulate what our
13 expectations are.

14 DR. GIOGLIO: Dr. Johnson?

15 DR. JOHNSON: Alice Johnson. National Turkey
16 Federation. One thing that I think we are missing when
17 we're talking IDVs or in-plant inspectors or any agency
18 folks is that an IDV team goes in there and an
19 inspector goes in there, if there is something that the
20 facility's doing that is considered the product is
21 adulterated, that plant, that establishment, is not
22 running. I mean, it's not a matter of you have to
23 think about this or you have to reassess or you have to
24 -- its you're not running. And we'll talk about it
25 later.

1 So, from that standpoint, the Agency has the
2 authority and if an IDV team goes in there with the
3 extra eyes beyond what the normal inspection personnel
4 would see and they feel the plant is producing
5 adulterated product, the plant shuts down and that,
6 unfortunately, is something that we get calls about in
7 the trade association all the time. You know, we're
8 shut down. Here's what's going on.

9 As far as the IDV team and I recognize your
10 questions was for the cost to the government, they are
11 extremely costly. My first comment was, gosh, do I
12 even know what they cost for industry and my first
13 comment is very costly and as we said, a company, you
14 know, it gets to the point where if a company can't
15 afford to -- because of the time and energy that is put
16 in when an IDV team comes in and the requirements
17 thereafter. So, it is definitely to a company's
18 advantage. The IDV team visit in and of itself is
19 something that the companies certainly try to avoid it,
20 if at all possible.

21 And Carol mentioned that she was not aware of
22 any type of enforcement based on IDV teams. I am aware
23 of some plants that have been shut down. When you talk
24 about putting some time constraints on these things, I
25 know from a plant perspective, there are several

1 companies that say we would like to have a time
2 constraint on USDA and that they have to make a
3 decision on our corrective action plan because there's
4 -- you know -- we're not giving timely turn-arounds and
5 things like that, so I hate to see time constraints
6 placed where it's not the flexibility of the district
7 manager or someone who is on-site who can make these
8 determinations, because a lot of times the corrective
9 actions that are needed to put in place and the
10 validation of these corrective actions takes some time
11 and can you put a blanket time down for any one
12 intervention or one process? Maybe not. It depends on
13 the individual or specific situation for a given plant.

14 But, again, I just want to say if there's any
15 question that USDA can't walk in and if they think the
16 product is adulterated shut a plant down. I know a lot
17 of folks that can tell you otherwise.

18 DR. ENGELJOHN: Thank you. Ms. Kaster?

19 MS. KASTER: I guess, I'm going to end up
20 echoing what Alice said, but I'd like to point out that
21 there is a small handful of -- that are actually in the
22 plants every single day, including -- and I just want
23 to say for the record that if Bill -- there are
24 ramifications, actions and time frames associated with
25 all of the activities we are talking about, whether

1 it's daily activities, CSO, IDVs.

2 I understand your concerns and where you come
3 from and why you make the point that you do, but I just
4 have to say for the record it sure feels an awful lot
5 like these things are already affirmed.

6 DR. ENGELJOHN: And I would respond by saying
7 that in my experience with the IDVs is that the team
8 has the authority to get whatever records that it needs
9 and there is intensity in the sense that all records
10 and all activities are reviewed. So, it is a very
11 intrusive activity, but it's also one for which the
12 entire system within that operation is looked at. Dr.
13 Jan?

14 DR. JAN: Lee Jan. What would the Agency do
15 or what has the Agency done when they've gone in to do
16 an IDV because of a -- has and -- been identified and
17 the results of the IDV were that all the systems were,
18 they found no -- well and -- followed and has a plan --
19 adequate control points, monitoring frequencies and
20 applications, the IDV couldn't find fault with any of
21 the processing, what would be the next step and what
22 has been the next step in those instances?

23 DR. ENGELJOHN: This is Engeljohn. We have
24 not been confronted with that situation to my
25 knowledge. In all case, particularly, with regard to

1 0157, their root causes have been well identified and
2 could, in fact, be corrected by a number of, in most
3 cases, easily changeable activities.

4 So, I would say that that hasn't been the
5 experience, but I would say that, as our CSO teams and
6 others are in looking at implementation and execution,
7 the Agency does expect that the plans that are in place
8 will, in fact, improve over time and that the reality
9 is that there may, in fact, be a problem link to a
10 plant for which on just looking in a general way, we
11 may not be able to find a root cause. But that gets at
12 the issue of looking at a more in-depth way of what the
13 problems would be.

14 So, I would say we would follow-up. Our goal
15 now is to look at the grinder, which we believe, in
16 most cases, that product coming from a supplier would
17 be the place where we would focus to ensure that the
18 product coming in the door is, in fact, coming in the
19 door with as low amount of risk with regard to 0157 as
20 possible.

21 DR. JAN: The next initiative that is in
22 place right now, starting December, February and April
23 to get inside plants. That is the next step and
24 focusing back on the production of the producer of the
25 raw material -- so if your IDV team said they had not

1 found -- following the IDV team in identifying these
2 problems, the plant makes all the corrections without
3 going back to the suppliers, that process could still
4 produce an 0157:H7 -- product, even if it did
5 everything the IDV team told them to do, implemented
6 that until they get a product that is zero detectable
7 level of 0157:H7, whatever that level is, -- so, I
8 guess, that was my point was that if that did not
9 happen --

10 DR. ENGELJOHN: Yes, this is Engeljohn. I
11 think with the grinder it will be difficult for us to
12 be able to say we could find nothing wrong there. If,
13 in fact, the -- the documentation that the plant might,
14 in fact, be relying upon may, in fact, identify that
15 all the actions will be done by a supplier and that
16 this particular grinder is simply verifying what's
17 coming in the door and we may, in fact, find that it's
18 not the grinder and that is the reason why we believe
19 we need to start looking back at the supplier.

20 But it would point out, in the case of a
21 slaughter operation, there we would have the
22 expectation that we may, in fact, do our more
23 intensified reviews find that, as an example, if we
24 were to take microbiological samples, we may, in fact,
25 not find 0157 at the slaughter. Well, we wouldn't stop

1 there in terms of saying that all is taken care of
2 because if we do have an expectation that it would be a
3 rare event to find 0157 on a carcass simply because of
4 how we would have to construct a program to detect it
5 if it was there.

6 And, so, I think the issues related to
7 validation and verification at slaughter and
8 fabrication are areas where we are now, in fact, going
9 to be doing more intense activity and developing more
10 procedures in terms of how we want to look at those
11 issues more intently. We do expect that we're going to
12 run into the situation where we can't find something
13 wrong at an individual plant, but because we're dealing
14 with a raw product, that is the reason why we believe
15 we need to go back into the system.

16 DR. JAN: Thank you.

17 MR. GIOGLIO: Ms. Foreman?

18 MS. TUCKER-FOREMAN: Carol Tucker-Foreman
19 with Consumer Federation. I know that the plant's
20 probably feel like they had enforcement actions taken,
21 but I'll refer you to the recent GAO report, which says
22 FSIS is not ensuring -- compliance with regulatory
23 requirements.

24 And none of FSIS notices of suspension with
25 inspection documents that they specified a date by

1 which corrective actions were expected to be
2 implemented and effectiveness verified. It is one of
3 the basic criticisms in the recent FSIS report. And --
4 what brought up -- what's her name down there -- I'm
5 sorry -- makes clear that there is a difference in
6 perspective.

7 We believe that the grant of an inspection
8 and the ability to put that seal on your package gives
9 you're an obligation to be producing safe products all
10 the time and that when the department errs it should be
11 on the side of protecting public health. We're not
12 keeping open a marginally sanitary and effective and
13 efficient plant and then there are those specific dates
14 by which action must be taken.

15 Common sense tells you we're erring on the
16 side of keeping those people in business instead of
17 protecting public health.

18 DR. ENGELJOHN: This is Engeljohn. I would
19 respond by just providing you some reassurance that in
20 our documentation of our activities, and, in
21 particular, with regard to IDV, that we will, in fact,
22 build in a process by which we can capture what the
23 time frames are for various corrective action, so that
24 we can begin looking at that issue and using that to
25 design a system, if possible, to come up with concrete

1 dates.

2 MS. HICKS: I also wanted to add that --
3 Sharon Hicks, Office of Field Operations -- that the
4 GAO records that they looked at, I think, were from
5 2000 and 2001 and it is true that at that time we
6 didn't have as detailed verification plans in place as
7 we now issue with very specific time frames.

8 And it is also true they identified, and I
9 believe OIG did before, that with the IDVs at the
10 beginning they were reported the findings were delayed.

11 Plants weren't given the results of what was actually
12 found as quickly as they should have and, therefore,
13 the action that resulted from the IDV also took longer
14 than it should have, but the timing on all of that has
15 improved dramatically over those earlier years.

16 DR. MCKEE: Thank you, Dr. Engeljohn. We are
17 on schedule. The next briefing is 0157:H7 in Ground
18 Beef - Review of a Draft Risk Assessment. That will be
19 presented by Dr. Michael Doyle on behalf of the
20 National Academy of Sciences. Dr. Doyle?

21 DR. DOYLE: Thank you very much. This report
22 was initiated by USDA, who had conducted a study, a
23 risk assessment, on 0157 in ground beef and it was
24 presented to this group of experts to review under the
25 auspices of the National Academy of Sciences with the

1 understanding that this was a draft risk assessment and
2 it wasn't a final document, so that is a perspective
3 that our group put as we looked at the product that was
4 presented.

5 Now, the members of this Committee have a
6 wide, diverse background. I served as Chair. I'm a
7 food microbiologist. Dr. Scott Ferson is an applied
8 bio-mathematician. Dr. Dale Hancock, at the University
9 or at the Washington State University is an
10 epidemiologist. Dr. Myron Levine, who is at the
11 University of Maryland directs the vaccine center there
12 and is very knowledgeable in the area of both response
13 and vaccines that protect against various diseases.

14 Greg Paoli is an up and coming, and, I think,
15 soon to be internationally recognized, expert in the
16 area of modeling and risk assessments. Barbara
17 Peterson, who is with Exponent, is very knowledgeable
18 in the area of exposure assessment.

19 Dr. John Sofos is an animal scientist, food
20 microbiologist at Colorado State University and is an
21 expert in the area of slaughter practices and Dr. Susan
22 Sumner is a -- food science program at Virginia Tech
23 and she is very knowledgeable in food processing and
24 food preparation aspects.

25 And I do want to point out we have with us

1 today Dr. David Butler, who was the study manager,
2 who's with the Academy and David, in his right, is an
3 expert in the area of risk assessment. So, we're very
4 fortunate to have his expertise to help support the
5 Committee.

6 Now, the FDA's charge for this Committee was
7 to provide comments on the 0157 draft risk assessment
8 for consideration as the Agency finalizes this
9 document. And, as I mentioned, this is a work-in-
10 progress and it was considered to be a draft.

11 This was to include evaluations of the
12 overarching logical structure of the model, the
13 validity and appropriateness of the input data that was
14 used, the reasonableness of the assumptions that were
15 made, the reasonableness of the -- approach and,
16 finally, evaluate the modules? mathematics and
17 equations.

18 The Committee was also charged to consider
19 whether the risk had been appropriately characterized,
20 and if these sources of variability and uncertainty,
21 critical assumptions and important data gaps had been
22 identified and characterized.

23 So, this is how we organize a report. We
24 began with a summary. Chapter one, began with a
25 summary of the content of the draft risk assessment.

1 Basically, an executive summary. Chapters two through
2 four were reviews of three specific modules of the
3 exposure assessment. Specifically, the reduction
4 module, that is the animals produced in the field, the
5 slaughter module and, then finally, the food
6 preparation module.

7 Chapter five addressed hazard
8 characterization. Chapter six addressed an evaluation
9 of the risk assessment and, then finally, chapter seven
10 summarizes the Committee's comments on the overall
11 approach that was taken to constructing and
12 implementing the module.

13 Relative to the introductory comments, the
14 Committee conducted a very -- science-based examination
15 of the content of the draft and, as I mentioned, we
16 were mindful that this was a work-in-progress, a draft
17 report, and not a final report, and that's different.
18 -- on the line the draft risk assessment we thought was
19 very impressive and it far exceeded the scope and
20 breadth of the prior 0157 risk assessment.

21 I think it's safe for me to say that the
22 Committee, as a whole, thought that the Agency should
23 be commended for undertaking this draft risk assessment
24 because it need to be done. It not only helped to
25 identify areas that we have enough data to make

1 evaluations, but also help to identify areas. There
2 are a lot of weaknesses and we need a lot more data to
3 do a more in-depth and valid risk assessment.

4 The Committee commends the draft authors on
5 the magnitude of their effort and the principle behind
6 it and then many criticisms were offered, that you're
7 going to see here shortly, that probably could be
8 applied to just all of risk assessments. At least, my
9 -- risk assessments because this is a field that is
10 still evolving. It's not as mature as chemical risk
11 assessments, so there is a lot of learning. We're
12 still on a learning curve in this arena.

13 So, let's get into the guts of the review.
14 First of all, we addressed the production module. And
15 this particular module models 0157 in cows, bulls,
16 steers, and heifers from the farm all the way through
17 transit to the slaughter plant. There were two primary
18 issues that were of concern and one was the use of
19 fecal prevalence as the sole measure of output for the
20 production module. And, second, the use of prevalence
21 estimates in cows, which are called breeding cattle in
22 the draft risk assessment in feed line animals. And
23 we'll talk about these in more detail.

24 First of all, the issues regarding the fecal
25 prevalence as the sole measure of output, there is a

1 paucity of data on anything other than fecal
2 prevalence. And, so, that's why fecal prevalence was
3 chosen as the indicator. Secondly, the animal shedding
4 a wide range of concentrations of 0157 in feces are
5 treated as contributing equally. And the third concern
6 was that 0157 occurs in locations other than feces.

7 So, let's talk about these in a bit more
8 detail. First of all, the use of fecal prevalence --
9 knowledge that fecal prevalence was being used as a
10 proxy variable and that some carcass contamination is
11 derived from the hide. Secondly, it needs to provide
12 that there is an impact assessment of animals shedding
13 0157 at both high and low levels. The point there
14 being that a high shedding animal is probably a greater
15 public health significance than a cow that's only
16 shedding a few 0157 through -- feces.

17 Issues regarding herd prevalent estimates
18 include the data may have been inappropriately
19 included, excluded or used; secondly, that some
20 assumptions used to generate variables are open to
21 question; and, thirdly, seasonal and temporal
22 variations in the data need to be better accounted for
23 or explained.

24 So, here are recommendations relative to the
25 within-herd prevalence data. First of all, don't use

1 data on young animals to estimate within-herd
2 prevalence for the adult animals because the adult
3 animals are largely the ones who go to slaughter and we
4 do know, in past studies, that juvenile animals tend to
5 have higher incidents of 0157. So, we should be using
6 the animals that are most commonly used in slaughter
7 and data from those animals.

8 Secondly, we should decide whether the
9 distribution of within-herd prevalence by herd -- or by
10 herd was more appropriate through the model and use
11 only studies relevant to this chosen method. Thirdly,
12 we either compute within-herd prevalence estimates as a
13 total positive divided by the -- sample or use a
14 denominator based on the estimated herd prevalence.
15 Fourthly, adjust the estimate for prevalence in food
16 line animals to that expected for free-slaughter
17 animals and, then finally, note as possible weaknesses
18 that prevalence estimates in cull cattle might be
19 higher than those in normal, healthy, adult cattle.

20 Also, use only data from independent feed
21 lots to estimate herd prevalence. Use appropriate
22 means of adjustment for herd sensitivity that
23 incorporates the effects of temporal clustering or
24 breeding herds or base the estimate for prevalence only
25 on studies in which breeding herds were sampled many

1 times. And, then finally, for feed lots, you should
2 use one hundred percent herd prevalence.

3 Then we have the issue of estimation of
4 seasonal effects on prevalence and recommendations we
5 had there was to use more detailed, seasonal data that
6 came from Dale Hancock, instead of a companion paper
7 that came from his colleague Besser. Secondly, adjust
8 all monthly prevalence estimates for inappropriate test
9 sensitivity and, finally, if you're handling the data
10 for multiple -- cases, random surveys of the cattle
11 population, thus, using data on all cattle samples for
12 each month or use only data from one of the two studies
13 that estimate the seasonal adjustment factor.

14 So, that pretty much handles the production
15 module. Now, we're going to move into the next part of
16 the system and that is the slaughter module, which
17 estimates the prevalence of 0157 at each step in the
18 slaughter plant process, starting with the live animal
19 as it enters the plant and ending with the packaged
20 meat product that is ready for shipment.

21 And there are three primary issues associated
22 with the slaughter module. The first being a lack of
23 publicly, available data regarding crucial steps in the
24 slaughter process. And there probably is data out
25 there, but the FSIS does not necessarily have access to

1 that data. And, so, companies and others who have that
2 sort of information, whether it be academics or
3 companies, this information should be provided to the
4 Agency.

5 Secondly, it is the ability of the operations
6 that are modeled in the module and there is a problem
7 here because there's a great deal of variability in
8 slaughter operations. Major operations may do things
9 differently than smaller operations. And somehow the
10 list has to be addressed in the model. We just can't
11 necessarily say one shoe fits all.

12 Thirdly, there's a potential unpredictability
13 of the effects of some activities of contamination
14 during slaughtering carcass fabrication.

15 So, let's talk about these in a little bit
16 more detail. First of all, issues regarding a lack of
17 publicly available data. First of all, the risk
18 assessment largely relies on the results of one study
19 in this area and that was a study done by Eldred All
20 USDA ARS Place Center. It was a very, very well done
21 study, but it's only one study and those of you in
22 science know we need to reproduce things and others
23 have to do it as well to confirm. And, so, we need
24 results of more studies in that regard.

25 Secondly, hide contamination and cross-

1 contamination during slaughter procedures are not
2 factored in and there are reports to suggest that hide
3 contamination is an important concern relative to 0157
4 contamination of meat and this thought of cross-
5 contamination is also believed to be an important
6 factor. And then, thirdly, the levels of contamination
7 and surface areas contaminated are based on a small
8 number of observations and, in some cases, are in
9 support of assumptions.

10 So, the recommendations include data
11 efficiencies and deficiencies and difficulties
12 associated with data collection, which have been
13 recognized in various parts of the draft, should be
14 more strongly emphasized in discussions of the outcome
15 circulated by the model.

16 And, secondly, the identified deficiencies
17 should serve as the foundation or the delineation of
18 research priorities to be promoted and pursued so that
19 the model can be improved in the future. And that's
20 what I alluded to earlier in my opening comments is
21 that there are a lot of data gaps and here's an example
22 of where we need to go.

23 Also, consideration should be given to using
24 available data on other pathogenic and indicator
25 organisms to estimate proportional transfer

1 contamination. This is the cross-contamination effect
2 I was talking about and there are difficulties in --
3 studies on 0157 in real life now because it's
4 considered an adulterant and, so, we can go and look at
5 other pathogens or something like salmonella or ,
6 generic , that might be useful as an indicator to show
7 the transfer of these organisms in cross-contamination
8 that occurs in various plant processes, such as
9 dehiding and other steps in the process of slaughter.

10 Another recommendation is that a discussion
11 should be added regarding the appropriate and
12 inappropriate applications of the slaughter module in
13 its present state of development. Specifically, what
14 we mean here is whether the module is ready to be used
15 to -- about the fact that's most important influencing
16 your -- and extent of 0157 contamination -- and
17 possible impacts and interventions. Probably not
18 enough data to draw strong conclusions to enable one to
19 make good policy decisions at this point.

20 Preparation module. This particular module
21 estimated the incidents and scope of 0157
22 contamination in serving cooked, ground beef on
23 modeling conditions under which it is cooked,
24 transported, stored, handled -- I'm sorry, browned --
25 and, ultimately, cooked.

1 Primary issues. First of all, there was a
2 lack of factory of the contributing influence of cross-
3 contamination on human illness. We really had a lot of
4 debate about that and felt very strongly that this
5 could be a very important factor in terms of public
6 health. That is, the cross-contamination, contaminated
7 0157 ground beef in the home. It's not just a matter
8 of cooking out the 0157 from the hamburger, but there
9 could be cross-contamination that occurs from just
10 handling the ground beef and that was factored in.

11 Lack of differentiation between the home,
12 fast-food restaurants and other hotel restaurants and
13 institutional environments, although practices for
14 storage, handling and cooking of ground beef vary
15 considerably among these. And, thirdly, there was a
16 weakness in the data that was selected for use and the
17 means used to analyze.

18 Finally, the draft clearly notes that --
19 relative to the cross-contamination area. The draft
20 clearly notes that exposures from cross-contaminations
21 are outside the scope of this assessment. They didn't
22 want this to be included in the assessment, initially,
23 because it was a very focused assessment. And that is,
24 looking at 0157 in the ground beef, but not
25 considering other extenuating circumstances, such as

1 cross-contamination.

2 The Committee does understand and respected
3 the decision of the modelers to establish reasonable --
4 in order to do this particular assessment. However,
5 cross-contamination, the Committee felt, during
6 preparation is an established and important respect and
7 the lack of data concerning its impact is no more sever
8 than the lack of data for some other parts of the draft
9 model.

10 So, further attention to cross-contamination
11 will help to lay the ground work for analysis and
12 better identify the data gaps that need to be filled by
13 future research.

14 Relative to a mission of consideration of the
15 cross-contamination issue, this may foster the
16 incorrect impression that proper cooking of ground beef
17 will prevent all 0157 infections that are associated
18 with ground beef. The second we put -- consideration
19 interventions that could have been or could have a
20 material effect on infection if the model is used to
21 simulate the various interventions on human --
22 therefore, the value of the risk assessment and --
23 public health policies supporting regulatory
24 interventions will be increased if it is able to factor
25 in the effect of cross-contamination on 0157 infections

1 and, perhaps, address the influence of interventions.

2 The Committee, thus, suggests that
3 consideration be given to factoring cross-contamination
4 in the model. If it is not possible, it recommends
5 that the final risk assessment more clearly highlight
6 the role of cross-contamination of 0157 infection and
7 emphasize the limitations in the model engendered by
8 the decision to not factor.

9 All right. First, let's address differences
10 in the preparation environment. The first issue.
11 Unlike the home, most ground beef used in food service
12 segment of the hotel restaurant and institutional
13 segment, is distributed and stored frozen and cooked in
14 a frozen state. Most ground beef is frozen and cooked
15 in the frozen state. In the home, it may be different;
16 it may be fresh. And that needs to be recognized in
17 the assessment.

18 Practices for cooking ground beef in major
19 fast-food restaurants are well-defined and validated to
20 kill pathogens, whereas, those in the home, are based
21 largely on the appearance of the food product and may
22 result in pathogen survival.

23 So, our recommendations are to use more
24 precise information regarding the percentage of ground
25 beef that is stored and distributed frozen and cooked

1 in a frozen state and at least be obtained and used for
2 determining estimates associated with frozen ground
3 beef. Especially that that's used by fast-food
4 restaurants where the bulk of ground beef is used.

5 Secondly, the recommendation is for each
6 location, i.e., the home, fast-food restaurants and
7 remainder of the hotel restaurants and institutional
8 facilities, the ground is put should all be modeled
9 separately, not as one big group.

10 Relative to the data and analysis issues,
11 simple extrapolation of data from USDA surveys were
12 estimating the annual number of raw ground beef
13 soybeans is unsound because there is a rather small
14 number of observation available on some of the data
15 systems. It's not enough to draw solid conclusions.

16 So, the recommendations are reports should
17 acknowledge that there is inadequate information on the
18 consumption of raw ground beef in the United States.
19 In this circumstance, expert judgment with appropriate
20 accounting for uncertainty may be superior to using
21 extinct data. FSIS should solicit such information for
22 the short time. And then, for the longer term, better
23 data on raw meat consumption should be gathered and
24 plugged into risk assessment.

25 Another point related to data and analysis

1 issues is that caution should be used in employing data
2 cited in the draft regarding the mean reduction in
3 0157 in grilled, ground beef patties because some of
4 the results are counter-intuitive. And our
5 recommendation is to have more reliable data become
6 available about these -- values that is the
7 inactivation role in 0157 in ground beef. It should be
8 used to model -- what we already know about
9 inactivation of 0157 should be used to model the effect
10 of pretreatment storage conditions on -- inactivation.

11 On to the hazard characterizations section.
12 This describes a method to estimate the number of
13 systematic infections resulting from the consumption of
14 cooked ground beef that's contaminated with 0157.
15 Primary issues here are factory of the disease-burdened
16 of non-0157, hemorrhagic . Another issue is dysentery-
17 type one is used as the upper-bowel of the 0157, those
18 response relationships and a group of organisms known
19 as enteric pathogenic are used as the lower bowel as a
20 close-response group.

21 Now, regarding the use of the non-0157 -- the
22 draft indicates that because 0157 is the most important
23 -- type in the United States, there is a paucity of
24 epidemiological data on the non-0157 sewer types that
25 the risk assessment is limited to only 0157. However,

1 there?s -- here that whatever risk to the U.S. public
2 health, the risk assessment attributes to 0157 as the
3 ground beef contaminant, it underestimates the overall
4 risk of because there are other types of hemorrhagic
5 that are not 0157 that can also cause disease and can
6 be found in ground beef.

7 The decision to exclude non-0157 sera-types
8 should be revisited and, secondly, if the final draft
9 risk assessment is limited to 0157 that decision and
10 its implications for the model should be explicitly
11 discussed. Relative to using yellow dysentery type one
12 as the upper bowel, least of all, data strongly
13 supports the relevance of the decision to use close-
14 response data from yellow dysentery or the upper -- of
15 the bracket.

16 Secondly, the data further argues that EPEC
17 first response function is likely to be very close to
18 that of yellow. 0157 is very similar to yellow
19 dysentery and close-response. And, finally, the -- of
20 the transmission, mode of ingestion affect responses
21 incurred.

22 Recommendations are: In order to strengthen
23 the scientific foundation for the decision to use this
24 response data for dysentery type one, to construct the
25 upper bracket and the final risk assessment to address

1 how the mode of ingestion affects the suspected --.
2 Inarguably, it may be most appropriate to use both
3 response data from experimental challenges with --
4 yellow administered --. Using meat -- as more -- in
5 the wild, real wide EPEC pathogenic only to the very
6 young -- and when EPEC are fed to adult volunteers, you
7 need a very large inocula and, in order to induce
8 what?s generally a mild illness and the bacteria must
9 be fed with a buffer in order to affect them from the
10 gastric acid in the stomach. And so that EPEC
11 challenge of adults is an artificial system, not
12 usually found in nature, and so this really is not the
13 best upper bowel to choose.

14 So, if you found any folks that continues to
15 be used in the final risk assessment, consideration
16 should be given to alternative to EPEC that might
17 better reflect the pathogenicity of EPEC.

18 On to the risk characterization section.
19 This integrates and applies the modeling work that was
20 done in the production, slaughter and preparation
21 modules, integrating that with the -- response
22 assessment, presuming it has a characterization section
23 and, ultimately, just generates analysis of the risk
24 associated with 0157 exposure for individuals, the
25 community, as well as the U.S. population.

1 Two primary issues: First of all, the
2 definitions of some of the terms in the chapter and
3 they're also in the draft and, secondly, the use of a
4 typical individual in hypothetical risk scenarios. In
5 terms of the issue with term definitions, some of the
6 draft report definitions are not the standard ones used
7 in scientific literature or other quantitative risk
8 assessments or are inconsistent with the document.

9 Because -- risk assessment is a relatively
10 new field, it is desirable to promote consistency and
11 clarity in expression. So, our recommendation is where
12 possible, the final risk assessment should adopt the
13 definitions that are established by one of the major
14 organizations of already-generated glossaries and
15 alternative expressions should be used in other
16 circumstances.

17 In regard to use of the typical individuals
18 or individual in a risk scenario, first of all, risk
19 estimates are provided for a typical person on the
20 basis of point estimates of the model output and -- of
21 the close-response relationships. It is desirable to
22 avoid all 0157 infections, but a patient needs to be
23 centered on the more severe outbreaks of infection so
24 that examining -- of high exposure in the general
25 population and any exposure in the subpopulations

1 thought to be made vulnerable to complications, such as
2 children and the elderly.

3 So, the point here is we're really, highly
4 concerned about the subpopulations like children and
5 the elderly, which are more susceptible to 0157
6 infections and so more emphasis or attention of the
7 assessment needs to be put on the subpopulation.

8 So, the recommendation for this particular
9 section would be to refocus, to concentrate on the
10 analysis of severe illnesses associated with 0157 and
11 the subpopulations knowing or thought to be most
12 vulnerable to them and the interventions that might
13 have the greatest effect on preventing these
14 infections.

15 On to modeling approach and implementation
16 chapter. The Committee's overall review of how the
17 draft model was constructed and implemented. The
18 primary issues with this chapter were that the
19 structure -- first of all, the structure of the risk
20 model; secondly, the use of anchoring, which is the
21 adjusting the simulation of the models to make it more
22 compatible with the current data; and, finally, the
23 transparency with which the draft model presented.

24 Regarding the structure of this model, the
25 nominal risk equation -- what they used is something

1 called the embroidered approach -- and this is a
2 departure from the standard approach, which can be
3 justified in principle by the assertion that the
4 primary goal of risk assessment is to better understand
5 the mechanisms of the generation, transmission and
6 attenuation of risk through the system. The drawbacks
7 of this embroidered approach.

8 First of all, the loss of the face value
9 validation of the output in comparison with independent
10 epidemiological data; secondly, any change in
11 parameters of exposure assessment or an assumption
12 leading to the baseline population health risk estimate
13 changes the basis of the close-response relationship;
14 and, thirdly, communication could result in -- a
15 miscommunication -- could result in readers -- the
16 model to be appropriate on the basis of the quality of
17 the match to what our thoughts would be to independent
18 epidemiological data, which, in fact, are not
19 independent epidemiological data.

20 So, the recommendations of the committee are
21 first of all, the reports should communicate more
22 clearly the nature of and the rationale for the impact
23 of the departure from the standard risk assessment of -
24 - and should consider relating any product as a systems
25 risk model to more define that the model generates an

1 estimate or risk independent of that derived in
2 epidemiological data.

3 Secondly, the office should reconsider the
4 approach taken to refer to those response relationships
5 in light of the -- or model output validation, a desire
6 to improve -- and concerns regarding whether the
7 uncertainty is actual greatest in close-response
8 characterization.

9 Another issue was the use of anchoring and by
10 sensoring some simulation outcomes valuable information
11 on low probability, adverse events may be lost;
12 secondly, the rationale underlying the choice of
13 management of sensor values is not well articulated;
14 and thirdly, the ability to validate the model through
15 comparison with observed events or the output of other
16 0157 risk assessments will suffer compromise.

17 So, the recommendation is that the -- should
18 replace the current algorithms for calculating those
19 response parameters with model elements based on
20 evidence that is independent of national
21 epidemiological data. That will allow for limited
22 validations of model estimates with the epidemiological
23 data.

24 The final point is the transparency with the
25 draft model should be, it is presented in Appendix C of

1 the risk assessment -- there is a partial list of the
2 equations -- concludes that we use for a good start,
3 however, as noted in several instances, in the review,
4 there are still circumstances where it is difficult to
5 discern the assumptions under which the equations, the
6 variables, distributions and equations, that were used
7 to calculate the risk.

8 So, our recommendations were: The final risk
9 assessment should include an explicit list of all the
10 variables and equations that constitute the model; and,
11 secondly, the analysis environment, which is now a
12 spreadsheet with macros and automated simulation
13 process implemented with or without software to
14 generate some statistical distributions needs to be
15 documented in a fashion that allows other professionals
16 to more easily track the -- equations --.

17 Other modeling approach recommendations
18 include the authors should reconsider the evidence of
19 in the approach for -- seasonality in on-farm
20 prevalence, including the potential for using data from
21 outside the United States. Secondly, the final risk
22 assessment should address the potential for input
23 variability -- in the model, which is based on casual -
24 and other evidence of such relationships.

25 And the final report should clearly describe

1 the magnitude of the model and certainties related to
2 modules in the risk assessment and include strategies
3 for reducing the uncertainty that exist.

4 The authors should review the scope and
5 allocation of effort in the risk assessment model, with
6 respect to its ability to generate the incite into the
7 burden -- and other severe -- in mortality and the
8 authors should also review the scope of the model in
9 its documentation to ensure a full public health
10 context and, thereby, the value of the future
11 mitigations that can be described and measured by the
12 risk assessment.

13 Well, that's the overview. If you're really
14 interested, you can go through the National Academy of
15 Sciences website, the NAS website, and get yourself
16 this report. It makes for good reading. It's now
17 available. If you want the website address, it's here.

18 I do want reiterate the Committee felt that
19 USDA should be commended for undertaking this
20 evaluation. It was a tough review in the sense that
21 we, as the Committee, we did a very thorough and in-
22 depth analysis and it's not like an academic review,
23 so-to-speak, where the paper was sent out just for a
24 review and come back with some comments, but this was
25 clearly evaluated by many experts in all these

1 different areas.

2 And, so, the USDA got a very in-depth review,
3 but the Committee felt the Agency should be commended
4 because first of all, it needed to be done to at least
5 get us somewhat of a baseline, to know where the data
6 gaps are that need to be filled, so that long-term we
7 can have risk assessments done in this area on which
8 good policy decisions can be made.

9 So, with that, Mr. Chairman, if we have time
10 for questions, I'd be delighted to answer them.

11 DR. MCKEE: Any questions? Dr. Logue?

12 DR. LOGUE: Hi. Dr. Logue here from --
13 University and this question is for those -- it's
14 really just simulation -- the Committee -- gaps in the
15 -- and are you going to go back and start working on --
16 or are you going to start asking outside scientists to
17 contribute data for you and start --

18 DR. ENGELJOHN: I think Dr. -- from our risk
19 assessment --

20 AUDIENCE MEMBER: [inaudible]

21 DR. LAFONTAINE: Two quick comments or
22 questions. You talked about high levels and low levels
23 of the organisms possibly coming in with the live
24 animals -- there is a deficiency from the data we have
25 now -- not only just the prevalence, but what are the

1 quantitative levels, and that, of course, that's
2 related, could be related to, the potential of
3 contamination in a high level of feces, so, to me,
4 that's speaking -- that's a key missing element. I
5 guess, that's common, but I wanted to reemphasis.

6 The question I have, and you touched on it
7 briefly, is how much do we know about the pathogenicity
8 of 0157:H7 and I'm talking about not all -- I'm
9 assuming, not all are equal -- you know, just because
10 we identify the organism, does each incident have, or
11 each proof of organisms, have the same pathogenicity to
12 a common population. Is that -- the pathogenicity part
13 -- you touched on it, but I'd like to hear a little bit
14 more about what the study and what the review process
15 had to say about that.

16 DR. DOYLE: Those are excellent points.
17 Yeah, relative to the number issue, clearly, if there
18 are millions of 0157 being shed by one animal, that
19 would probably have a great impact on public health
20 than ten being shed by many animals. But relative to
21 the pathogenicity, you're correct in your -- when you
22 suggest that there appears to be differences in
23 pathogenicity or -- among different strains that 0157.

24

25 We do know that there's variation in

1 tolerance of these organisms to acid and the like and
2 that's another data gap. We just don't have all the
3 answers, but, I think, that the Committee's judgment in
4 that regard is we have to do the best we can with the
5 data that we have in this regard and, so, -- being the
6 risk assessment, we should use the data that we have,
7 but, in the future, as a point of filling these gaps,
8 more research needs to be done to better our recent
9 data. Mechanisms to pathogenicity and hopefully
10 identify markers that would identify those strains that
11 may be highly greater versus lesser than and then put
12 that into a risk assessment. But not to be put off
13 doing a risk assessment that may be useful for policy-
14 making and -- those data on hand.

15 DR. LAFONTAINE: I had a little bit of a
16 hidden agenda and that is: This is, when you talk
17 about scientific studies and the need for where USDA
18 and Health and Human Services put research monies, I
19 would suggest that variables of the various strains or
20 pathogenicity that appropriate monies be headed that
21 way so we know more about what bad -- are really bad --
22 not to belittle the evaluation.

23 DR. DOYLE: Point well taken.

24 MR. MCKEE: Ms. Foreman.

25 MS. TUCKER-FOREMAN: Carol Tucker-Foreman

1 from Consumer Federation. Thank you very much for
2 coming, Dr. Doyle. I think, the NAS study, a peer
3 review, is very important and I really want to make a
4 comment rather than ask a question. I think, all of us
5 want policy to be based on science and science is,
6 indeed, factual and data-driven, but what gets included
7 in a scientific risk assessment is subjective. As
8 policy, I -- the expert on risk assessment and this
9 perception -- oh, risk assessment. It's subjective
10 because it's put together -- human beings and we are
11 subjective.

12 There are very important policy implications
13 that arise from the subjectivity of what is included in
14 the risk assessment. For example, in this one, in the
15 initial risk assessment, each decision -- well, most of
16 the decisions -- that were made to limit the scope of
17 the risk assessment also have an impact of limiting
18 what appears to be the total risk from 0157:H7. The
19 decision, for example, to use a typical human being,
20 instead of at-risk population, the decision to include
21 only intestinal fecal matter, the decision -- and I
22 will address this a little further -- to include in the
23 preparation module, only cooking and not cross-
24 contamination.

25 Now, people like me have to sit every day and

1 listen to people in the industry say, "All you have to
2 do is cook it and you won't get sick." That's not
3 true. If the raw contaminated meat touches something
4 else, you're going to get sick. USDA includes this in
5 their consumer education materials, but not in the risk
6 assessment.

7 In a series of speeches last fall, the --
8 under secretary gave -- to this -- risk assessment in
9 stating that there is an 0157:H7 in cooked, ground
10 beef was really quite low. But a policy implication is
11 in that. -- and the Congress less likely to want to do
12 something about it and I just wanted to be heard that,
13 although we all want decisions based on good science,
14 it's a mistake to suggest that human beings don't make
15 subjective judgments about what is scientific.

16 Thank you.

17 DR. DOYLE: Those are very good points, Ms.
18 Foreman, and I might want add to your comment. If we
19 really wanted to broaden this to get a better fix on
20 where the real problems lie in human disease associated
21 with 0157 infections, we should actually do a risk
22 assessment broader than ground beef, because many of
23 the studies that have recently come up with an at-risk
24 factor associated with 0157 infections, but back at the
25 farm and indicate that it's actually contact with

1 cattle and contact with cow manure and the mud and
2 contact with animals and the farm. That may have more
3 impact, maybe having a great influence on human
4 infection, i.e., eating ground beef and then the
5 cooked, ground beef.

6 And, so, if we really wanted to fulfill the
7 entire equation, we should even make it a broader risk
8 assessment than focusing on ground beef.

9 MS. FOREMAN: I agree with you completely. I
10 would suggest that such a risk assessment needs not to
11 be bound by an agency that does not have regulatory
12 authority and ain't gonna get regulatory authority.
13 Although that happens on the farm, but it would
14 certainly be an appropriate thing for the Academy or
15 for -- undertake. Thank you.

16 DR. MCKEE: I will take the last comment from
17 Janelle Cross, FSIS.

18 MR. CROSS: Hi, this is Janelle Cross. I'm a
19 risk analyst with the Agency. I have a question for
20 Mike Doyle. We agree. We want to expand the scope to
21 include cross-contamination. There's enough antidotal
22 evidence that that's certainly is a priority. In terms
23 of developing risk assessments, however, it's important
24 for the people here today to understand that the scope
25 of the risk assessment is also driven by the available

1 data. And, so, one of the things that we would ask is
2 if we came across anymore information on cross-
3 contamination, quantitative information that could be -
4 - and to use this type -- to decision-making, but it's
5 also important to recognize where the limits of the
6 tool are.

7 DR. DOYLE: There have been studies done with
8 other organisms besides 0157, looking at cross-
9 contamination in the whole. These types of studies may
10 be useful, using, let's say, a surrogate for indicator
11 organisms to represent the types of cross-contamination
12 that might occur with ground beef. And I'm not saying
13 everything is out there, but, I think, as we do risk
14 assessments, your -- better can tell where all the
15 flaws and gaps -- so, what, I think, could be done is
16 to use those types of data as your starting point with
17 the understanding that you're going to have to do a
18 better job getting more data to really hit the target
19 and, hopefully, those types of studies can then be done
20 through -- whatever type of mechanisms might be
21 available.

22 DR. MCKEE: Thank you, Dr. Doyle. We
23 appreciate it. We have one last agenda item and that
24 is Public Comment and we have five individuals that
25 have requested for public comment. We will have time

1 tomorrow as well, at the end of the day. What I'd like
2 to do is limit the comments to three minutes each and,
3 if there are additional comments, they can be submitted
4 through a written document.

5 The first one on our list is Felicia Nester
6 with GAP. I'll have Mr. Gioglio keep time.

7 MS. NESTER: This is Felicia Nester,
8 Government Accountability Project and there goes five
9 seconds. This is quite a hospitable forum. -- such a
10 short amount of time, Dr. McKee, are you -- that the
11 memo that was released last week -- the New York Times
12 wrote an article on it -- was taken out of context and
13 so -- was taken out of context, does that mean that the
14 supervisor who issued that memo to the people in the
15 plant took it out of context from an official FSIS
16 documents and could you tell us what those documents
17 were? Public Service of GAP wrote a letter to
18 Secretary -- asking about that memo.

19 DR. MCKEE: The purpose of the comments for
20 the public is to address the issues that we currently
21 have on our agenda and that's a separate issue I'm not
22 prepared to really discuss.

23 MS. NESTER: It was discussed this morning.
24 I'm just addressing it because of that. Okay, I'll
25 move on. I want to make a comment about the 0157:H7

1 notice to suppliers. There is no instruction in that
2 for the inspector to review the HACCP plan at the
3 supplier plant. There's an instruction to them to see
4 if the plant filed their HACCP plan in addressing, in
5 performing their duties, but not to review the actual
6 plan.

7 The IG and the GAO Offices reviews themselves
8 indicate that the majority of HACCP plans that are
9 reviewed, are inadequate in a very substantial way. I
10 would just like to say that GAP thinks it would be an
11 extremely good idea if we're going to be -- supplier
12 plants to review HACCP plans, that FSIS indicates that
13 a supplier plant is a likely source of contamination,
14 that would be a perfect opportunity to send in whatever
15 -- review -- you do to assess the HACCP plan of that
16 plant.

17 And, I guess, my final comment will be that,
18 again, GAO, IG, our survey of inspectors, many reviews
19 had found the same problems with HACCP, their
20 instructions, confusion, in the field, inspectors not
21 sure of their duties and the Agency so far has
22 responded with IDVs, correlation reviews, HACCP next
23 step, CSOs, in-training materials from inspectors and
24 the retraining of supervisors. I don't know if I got
25 them all, but that's some of them.

1 Dan Engeljohn says that there's going to be
2 an assessment of the IDVs' effectiveness. How thorough
3 have you assessed the effectiveness of these other
4 corrective measures? I mean, this is -- number five or
5 six and we still don't -- we just had the first and
6 third largest recalls in the history of -- inspection.

7 MR. GIOGLIO: That's time.

8 MS. NESTER: Thank you very much. And the
9 public, I'm sure, appreciates the generosity with your
10 serving comments.

11 DR. MCKEE: Thank you, Ms. Nester. The next
12 public comment would be from Michael Kolchek.

13 MR. KOLCHEK: First of all, I'd like to thank
14 Dr. McKee and the Committee for the work they are doing
15 and promise to do with respect to food safety and
16 public health.

17 Food safety is an issue that touches all
18 Americans and most especially our children, which is
19 why your job here today is so extremely important. I
20 would like to tell you about one child. My child and
21 the impact food borne illness has had on our family and
22 our community. On Tuesday, July 31, 2001, our two-
23 year-old son Kevin awoke with diarrhea and a mild
24 fever. On the evening of August 1st, we took him to
25 the emergency room for bloody diarrhea, but were sent

1 home.

2 By the next morning, Kevin was much sicker
3 and was hospitalized for dehydration and bloody stools.

4 Later that afternoon, we were given the diagnosis:
5 0157:H7. On August 3rd, Kevin's kidneys started
6 failing. He had developed the dreaded HUS. Late that
7 night, he was transferred to the pediatric ICU at the
8 University of Wisconsin's Children's Hospital. My wife
9 Barb, and I spent the next eight days living in that
10 hospital watching out beautiful son slip away from us.

11 On that first Saturday in the PICU, Kevin
12 received his first dialysis. A three hour procedure in
13 which he needed to keep still and I had to hold him
14 down for that entire time. It broke my heart. On
15 Tuesday, August 7th, Kevin was placed on a ventilator
16 and continuous dialysis. I hopes of preventing Kevin
17 from remembering this ordeal, doctors had sedated him.

18 Doctors inserted tubes to drain fluid off
19 both his lungs. By the end of the week, he was
20 receiving more medications than we could count to
21 stabilize his blood pressure and heart rate. A special
22 bed was ordered to help alleviate some of his pain, but
23 throughout it all, the hospital staff remained
24 optimistic. They said that this was typically the way
25 HUS kids got through the illness. But to Kevin, all

1 this was not enough.

2 Finally, on August 11th, at 8:20 p.m., after
3 being recessitated twice, as doctors were attempting to
4 put him on heart-lung machine, our son Kevin, died.
5 He was two years, eight months and one day old. The
6 autopsy late showed that both Kevin's large and small
7 intestines had died. The condition that is always
8 fatal.

9 The week after Kevin died is mostly a blur
10 for us, but we do remember some things. We remember
11 telling our five-year-old daughter, Megan, that her
12 best friend, her brother, would not be coming home with
13 us. We will never forget the look on her face. We
14 remember meeting with the funeral home director to pick
15 out a casket. We remember going through Kevin's closet
16 looking for his white ring bearer suit so we could bury
17 him in it. We remember walking through the cemetery,
18 looking for ways to bury our Kevin. And we remember
19 the day we buried him.

20 Since Kevin's death, we have been researching
21 food borne illnesses. What we have now has a --. We
22 did not know that thirty-six percent of reported
23 1057:H7 cases occur in children under the age of ten.
24 We did not know that it takes less than ten microbes to
25 make you sick. We did not know that children under the

1 age of five are at highest risk in developing deadly
2 HUS or O157:H7. We did not know that, once you get
3 HUS, the only thing doctors can do is keep your body
4 alive while the disease -- its course. And we did not
5 know that survivors of HUS suffer life-long medical
6 problems. And we did not know that meat recalls are
7 voluntary.

8 The meat industry and government can do more
9 to protect us. As a business person, who has an --
10 economics, I would say this: What cost do you put on a
11 life?

12 On May 2001, the USDA's economic research
13 service estimated that -- salmonella, , listeria --
14 cost \$6.9 million dollars -- productivity in premature
15 deaths each year in the United States. This should be
16 a high priority for us -- public health and, as a
17 citizen and taxpayer, I hope to offer what I can for
18 this group as a citizen to help make our food safer. I
19 can't get my son back, but I don't want to meet another
20 father, who went through the hell I went through.

21 Thank you.

22 DR. MCKEE: Thank you. Our next commenter is
23 Tony Quabo.

24 MR. QUABO: Tony Quabo from Public Citizen.
25 I also wanted to address the issue of the memo in

1 Kansas, but since you don't see the connection between
2 that and the discussion that took place this afternoon
3 on , I won't go on. Thank you.

4 DR. MCKEE: Thank you. Paul Johnson?

5 MR. JOHNSON: My name's Paul Johnson. I'm
6 actually the Chairman for the --

7 DR. MCKEE: We can come back to you, if you'd
8 like. Richard Riser? Any other comments? What I'd
9 like to do is go ahead and adjourn where the Committee
10 has a very busy schedule for this evening and I did
11 make a comment earlier that we'd make the presentations
12 today, but with the late hour, we'll make those first
13 thing in the morning and is there any other -- for me
14 to do? Okay, well I'll --

15 MR. GIOGLIO: Just to remind folks to check
16 on the back page of the agenda on the rooms for the
17 subcommittee meetings this evening. I guess,
18 Subcommittee One is in Apollo and that's on the second
19 floor, Subcommittee Two is in Mercury on the second
20 floor, and Subcommittee Three is in Mars and that's on
21 this floor, and I understand that the elevator you need
22 to take is the one out near the lobby to get up to the
23 rooms upstairs. Mr. Govro?

24 MR. GOVRO: Yes, just a question about the
25 schedule tomorrow. It does read eight o'clock in the

1 morning, but, I believe, I heard Dr. McKee say we want
2 to start about eight forty-five. Is that correct?

3 DR. MCKEE: I'm sorry, did I mispeak?

4 MR. GIOGLIO: Actually, we're scheduled to
5 start at nine.

6 MR. GOVRO: Okay, I heard eight forty-five.

7 DR. MCKEE: Okay, I'm sorry. Okay, we're
8 cool on that, eight o'clock? Okay, thank you. We
9 stand adjourned.

10 (Whereupon, the meeting adjourned at 5:05
11 p.m.)