

UNITED STATES DEPARTMENT OF AGRICULTURE

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PUBLIC HEALTH BASED

INSPECTION IN SLAUGHTER TO ADDRESS

CAMPYLOBACTER, SALMONELLA

and

OTHER PUBLIC HEALTH CONCERNS

+ + + + +

August 7, 2007
9:00 a.m.George Mason University School
of Public Policy
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1 P-R-O-C-E-E-D-I-N-G-S

2 (9:10 a.m.)

3 MR. TYNAN: Welcome to our public meeting
4 on Public Health Based Inspection in Slaughter to
5 Address *Campylobacter*, *Salmonella* and Other Public
6 Health Concerns. That's a long title for our
7 meeting, but it's a very important one, and there's a
8 lot of substance that we're going to address today.

9 I am Robert Tynan. I am the Deputy
10 Assistant Administrator for the Office of Public
11 Affairs, Education and Outreach, and I'll be
12 moderating the session today.

13 I was going to say at this point, in
14 addition to our audience here, that we have some
15 folks on the phone. We do, as we have had in a
16 couple of other occasions, we have a little bit of a
17 technical glitch bringing in one line, but as soon as
18 we do, we'll have them join our meeting. So I don't
19 want to delay those of you who were kind enough to
20 come and join us today to delay you any longer in
21 your schedules.

22 Let me take you through the agenda very,

1 very quickly at this point before I introduce our
2 speakers. You should all have a copy of that. If
3 not, there's some at the registration table. Has
4 everyone received a copy? Okay.

5 Essentially, we're going to begin with
6 welcoming remarks from Mr. Almanza, and discussion by
7 Dr. Raymond, a little bit about improving public
8 health in poultry slaughter inspection. We have
9 Dr. Carol Maczka from our Office of Food Defense and
10 Emergency Response that's going to talk a little bit
11 about the rationale and process for our public health
12 initiative.

13 We're also going to have a discussion of
14 what we've learned from our *Salmonella* meetings and
15 our *Salmonella* Initiative, and that will be Dr. David
16 Goldman, who is our Assistant Administrator, the
17 Office of Public Health Science.

18 We'll have Mr. Loren Lange. He'll talk a
19 little bit about the public health lessons from our
20 HACCP-Based Inspection Models Project, the HIMP
21 project.

22 Dr. Goldman's going to come back and talk a

1 little bit about the scientific foundations for
2 future decision making. And we're going to finish up
3 with Dr. Dan Engeljohn, who is our Deputy Assistant
4 Administrator in the Office of Policy, Education and
5 -- I've forgotten now, and I'm embarrassed, but
6 nevertheless, he is our Deputy Assistant
7 Administrator. He's someplace in FSIS. It seems
8 easy to do what I'm doing, but it gets a little
9 nerve-wracking here. So I apologize, but he is going
10 to talk about next steps, and that will conclude our
11 presentations.

12 You will notice on the agenda, that after
13 each presentation we will allow about 10 minutes for
14 comments on that particular presentation, and at the
15 end of the session, we've allowed a greater period of
16 time for longer comments, questions and a broader
17 discussion. So the 10-minute blocks are to give you
18 an opportunity to ask any clarifying questions you
19 may have regarding each of those presentations.

20 Before I start, I should also mention that
21 our risk-based inspection e-mail address is still
22 available to you. So if there are some comments that

1 you would like to make and do not get an opportunity
2 to make during the session today, you're welcome,
3 you're invited, you are encouraged to send comments
4 to that risk-based inspection e-mail box.

5 As you will also notice on the agenda, we
6 did not build in any specific break time. That's our
7 usual method of operation for these shorter public
8 meetings that we have. We're going to leave it to
9 each of you to decide when you need to take a stretch
10 break or grab a cup of coffee. There is a little
11 coffee shop downstairs in the bookstore that you can
12 grab a cup of coffee if you need to.

13 And finally, a very important aspect for
14 some of these meetings is our restroom facilities.
15 They're out this doorway and around. You can follow
16 it all the way around to the right. The ladies room
17 will come up first, the men's room will come up a
18 little bit further along on the right-hand side. So
19 just to make sure we don't have any mistakes in that
20 regard.

21 If there are no questions at this
22 particular point, I'm going to begin the agenda, and

1 ask Dr. -- I beg your pardon, Mr. Almanza to come up
2 and do some opening remarks. Did I promote you?

3 MR. ALMANZA: I just got my degree.

4 MR. TYNAN: Mr. Almanza and I go back a
5 long way. We worked in labor relations together
6 years ago. I'm very pleased to introduce him. He is
7 our Administrator in the Food Safety and Inspection
8 Service. Mr. Almanza.

9 MR. ALMANZA: Thank you, Robert. Well,
10 good morning, everybody. I am Al Almanza, the new
11 Administrator for FSIS. I've been with this Agency
12 for almost 30 years, and held numerous positions. I
13 started out on the slaughter line in Dalhart, Texas.
14 Most people won't know where that is but if you go
15 much more than 30 miles in either direction of it in
16 the Texas Panhandle, you're in another state.

17 My dad actually was an inspector and kind
18 of filled out this, when I got the offer for this
19 job, he filled this thing out for me. He said I've
20 taken care of you and so when I got this call from a
21 personnel specialist and said, are you serious, you
22 want to go to Dalhart, Texas, I said, sure, why not.

1 She said we've been trying to fill that job for three
2 years and we can't get anybody to take it. So his
3 response was if you can live in Dalhart for a year,
4 you can live anywhere. I'm testing it now.

5 So my whole career was spent in the State
6 of Texas where I held numerous positions in the
7 slaughter line, processing position. I was a PQC
8 inspector. I was a labor relations specialist, and
9 my favorite job of all was being the Dallas District
10 Manager. And I plan on this just being a bigger
11 district and running this just like I did the Dallas
12 District. So those of you who know me, you know that
13 I'm not comfortable standing up here. I'd rather be
14 moving around. I'd rather have clip on and talk to
15 you from out there. This podium seems a little
16 constricting, but I'll do the best I can.

17 I believe that my field experience will be
18 useful in shaping policy, using the experience and
19 knowledge that I gained at the basic levels of this
20 Agency. What that means or should mean as the
21 Administrator, I believe that there are some things
22 that can be done that will be of benefit to everybody

1 in this room. Consumer groups, the union, the
2 industry because in Dallas, I stayed in touch with
3 pretty much every group that we dealt with. And I
4 want to do the same thing here, and I think that this
5 ought to be an opportunity not only for myself but
6 for everybody that is in this room.

7 I also believe that through these meetings,
8 where we exchange ideas and have discussion and
9 dialog that this is where we will get to where we all
10 want to be. Now we can't do it everybody's way all
11 the time, and there are always going to have to be
12 some give and some take. But in these meetings is
13 where we will be able to succeed and where we need to
14 be.

15 I also believe that this Agency has made
16 great strides in being open and transparent. And
17 I've seen that at the district level, and I think
18 that the people that are in the key positions here at
19 Headquarters are very attuned to that. I think
20 they're open minded and very willing to do things
21 that haven't been done before. I also believe that
22 it is imperative that we take into consideration the

1 input of all of our stakeholders in the creation of a
2 policy that is effective.

3 I'd also like to take this time to
4 introduce our employee representatives, Dr. Dana
5 Vetter from the National Association of Federal
6 Veterinarians, Ms. Olga Morales, the Association of
7 Technical Supervisory Personnel, Mr. Stanley Painter,
8 and Dr. Pat Basu, the Asian Pacific American Network
9 in Agriculture.

10 I want to share a few thoughts about public
11 health based slaughter inspection and my personal
12 experience with HACCP based inspection Models
13 Project, HIMP. We have three plants in the Dallas
14 district that were under HIMP, and I visited those
15 plants, I wouldn't say routinely but I was there
16 regularly, and in discussion with the inspectors that
17 were assigned there, I believe that they were more
18 focused on the big picture. They had more time to do
19 offline food safety tests, verification activities.
20 It also allowed the plant to enhance or revise their
21 activities based on the data collected and their
22 performance. I also felt that our supervisors were

1 much more gauged at the workforce because it wasn't
2 as restrictive to our line inspectors as it is in the
3 traditional type of inspection process.

4 I also believe that in my discussion with
5 those inspectors, they felt as though they had a more
6 meaningful role in public health. We also saw a
7 reduction in the number of carpal tunnel type claims
8 and they also felt like they were more a part of not
9 only the district team but part of the big team. I
10 also believe that the plants took their role more
11 seriously and were more amicable to sharing
12 information and records in all of those plants.

13 Those are just a couple of things. There
14 are a number of other things but if I talk any
15 longer, I'll make Dr. Raymond a little bit later, and
16 I know that he's anxious to get up here and tell you
17 about his experiences with this. So with that, I'd
18 like to introduce my boss responsible for me being
19 here, Dr. Richard Raymond.

20 (Applause.)

21 DR. RAYMOND: Thank you, Al. Good morning,
22 everybody. Thank you all for coming out today. Some

1 of you commented about the heat and humidity. At
2 least Mr. Painter's commented about how cool it is
3 here compared to where he just came from. So we
4 think it's hot here. It's all in perspective.

5 Just a couple of little announcements I'd
6 like to make before I get going. One is we have a
7 two day meeting starting tomorrow with the National
8 Advisory Committee for Meat and Poultry Inspection.
9 Many of the members of that committee are new, 11 of
10 them, in fact, of 17. And many members of the NACMPI
11 Committee are here today. I would just like a show
12 of hands of how many NACMPI members are here today
13 and keep your hands up so I can do a quick count. I
14 see 15 hands on a quick count. Thank you.

15 I think that shows the commitment and
16 dedication of that particular group of individuals.
17 They're here for three days. They came a day early
18 to hear what they could hear today about our
19 proposals and that's why they are on the NACMPI
20 Committee because it's an important committee and
21 they take their role seriously. So thank you all for
22 being here, and hopefully tomorrow we'll get to know

1 each other a little bit better and start putting some
2 names to faces.

3 The second announcement, one of the things
4 we did over a little over a year ago, actually it's
5 been a two year project, but as a result of some
6 listening sessions, in the State of Montana, the
7 small and very small plants, and then listening
8 sessions all across the country, began to get a
9 picture that perhaps we weren't all in the same step
10 with HACCP and we needed small and very small
11 plants to have very robust HACCP programs if we're
12 ever going to get to risk-based inspection where all
13 plants would be equal.

14 And so we began an initiative called Small
15 and Very Small Plant Outreach. We announced this in
16 -- a little over a year ago and we had phone lines
17 open to a lot of people who were listening and one of
18 the associations that called in during that press
19 conference said unless you have dedicated budget
20 lines, unless you have a dedicated person running it,
21 you'll never last. Your enthusiasm may be today but
22 it will not last. So one thing I'd like to announce

1 today is we listened to that person and we are
2 adjusting how we do things. We are trying to create
3 a new program area that will be outreach, we'll be
4 training. We'll combine all of our educational
5 activities and if down that road we have opened a
6 position up to consider all the applicants and I can
7 now announce the new Senior Executive Level of
8 Administrator who will be running our outreach and
9 training program who is here with us today and most
10 of you know Dr. Karlease Kelly, back in the back row.
11 She'll soon assume front role positions I'm sure. So
12 congratulations, Karlease, on that competitive slot
13 and I think we'll all -- Mr. Painter asked me this
14 morning a particular question about whose in charge
15 of a particular part of outreach, and I said I don't
16 really know for sure but once we get this done, if
17 anybody has a question, about training or outreach,
18 just call Karlease.

19 The last thing I wanted to announce is
20 since the last meeting with most of you, I've joined
21 a new national association. I think it's the best
22 association I've ever been a member of. Now one

1 thing about this association, they do have a Hall of
2 Fame that goes with it, and Mr. Painter is already
3 applying for that Hall of Fame. He gave me some
4 advice. He says to get into the Hall of Fame with
5 this association, every time somebody mentions a
6 grandchild, you have to show a picture. And if they
7 don't mention a grandchild, you have to bring the
8 subject up. So I've joined the National
9 Grandfather's Association where we go and here's the
10 picture.

11 (Laughter and applause.)

12 DR. RAYMOND: Now that I've got that little
13 one to worry about, food safety comes a little bit
14 nearer and dearer to my heart. It has always been
15 near and dear but when you've got family members that
16 are more at risk, you begin to have even more
17 passion.

18 One thing that has always bothered me since
19 two years ago since I took this job is the statistics
20 CDC keeps putting out and people keep repeating, that
21 5,000 people will die from foodborne illnesses this
22 year. That's a big number. It's hard to imagine.

1 If you put the math to it, that's 13 people a day.
2 That's just inexcusable. We can do better. I know
3 we'll do better. We have to do better. That number
4 should not be repeated day after day after day.

5 What I want to talk about today is our
6 goals and how to reduce those, how to bring increased
7 food safety to the meat and poultry supply of
8 America. We've been studying ways how to get this
9 done. We've been looking how we conduct our
10 federally mandated inspection activities at the
11 poultry slaughter facilities throughout this country,
12 using resources and science that are currently
13 available to us. We looked at data from seven years
14 of HIMP.

15 This meeting today is going to give us a
16 chance to share with you our ongoing work. You are
17 food safety partners and we need your buy in to take
18 the next step. We can't do this alone. We need your
19 help. We need your constructive comments, your frank
20 criticisms but you need us helping us move forward.
21 These are to be constructive meetings if they're to
22 be successful at all. We want to discuss our

1 principles with you. They're central to making this
2 an improved poultry slaughter system. We want you to
3 listen to our proposals. We want you to comment on
4 them constructively.

5 We're looking for a system to provide our
6 employees with more time, more flexibility to conduct
7 focused offline verification activities at poultry
8 slaughter facilities. We'll show you graphs of why
9 we think this is the way to go. These activities
10 will be tailored to risk factors that are present at
11 each establishment and at different points in the
12 slaughter process where food safety hazards and
13 associated risks are greatest.

14 We know that our dedicated employees can
15 help protect the public health. But as leaders, it's
16 paramount for us to give them the guidance and
17 direction and the capabilities to use their abilities
18 to improve activities in slaughter facilities and
19 decrease foodborne pathogens that get into the food
20 supply.

21 You know, industry can do their own quality
22 control. The HIMP plants have shown that. No one

1 ever got sick from eating a bruised chicken breast or
2 broken drumstick. And that's a lot of what we're
3 doing right now. Quality control. We need to share
4 many common goals with FSIS' other public health
5 efforts. We need to combine these efforts in
6 processing now with slaughter.

7 The paths involved to reach those important
8 goals, however, are very different. I'm getting
9 ahead of myself now. I'm digressing a little bit and
10 talk about processing.

11 Today is about slaughter. Today is about
12 how we get to the important public health outcome of
13 reducing foodborne illnesses. It's about sharing the
14 rationale of a science behind our approaches to
15 public health based inspection with you, the public,
16 industry, consumers and our own employees.

17 This is also a wonderful opportunity to
18 present the data, the detailed analyses that have
19 helped FSIS place into context its preferences and
20 its experience with programs like the HACCP based
21 inspection project referred to as HIMP.

22 I remain firmly dedicated to the idea that

1 our actions to improve public health should and will
2 be conducted transparently as Mr. Almanza already
3 mentioned. We'll continue to be open. We'll
4 continue to be active participants with you all. But
5 it is critical to provide you with the data and
6 scientific foundations that have shaped how we're
7 going to approach this issue, and that you consider
8 that data and you consider those foundations and you
9 take it at face value and you consider them when you
10 form your opinions about what we're going to talk
11 about today, tomorrow and Thursday.

12 This will help ensure us that the steps
13 that we take to reduce the prevalence of foodborne
14 illness will be better understood by all of us, and
15 all of our partners who are not here today, and the
16 public that the media will educate for us.

17 I'm going to boil this down to bare
18 essentials to what we do. There's a manual from
19 2004. It's called "Multi-species Disposition Basics
20 with a Public Health Focus." Dana, you know what
21 I'm talking about here. It's a public health
22 veterinarian training book, April 2004. If you go to

1 the first page, the index page, for Section 1,
2 Diseases and Conditions of Public Health
3 Significance, Category 2, Poultry, two bullets.
4 These are diseases and conditions of public health
5 significance in poultry, number one, septicemia.
6 Number 2, contaminations (fecal). Two conditions
7 that affect public health in poultry, sepsis,
8 contamination. I think we've done a really good job
9 of keeping septic young broilers out of the food
10 supply, but we still see *Salmonella* served up on
11 chicken parts and carcasses that's too high a number
12 in this country. It's time that we direct our
13 energy, our resources and our time on the second item
14 in the training manual, and that's reducing the
15 *Salmonella* numbers.

16 I'd like to close my remarks with a quote
17 from our friend, Mike Taylor, who was in the
18 Washington Post Saturday. There was an article
19 comparing FDA inspection methods with USDA inspection
20 methods, and Mike Taylor said, "You can visually
21 examine chickens all day. You will still not see the
22 *Salmonella*." People have been saying this for 20

1 years, and it's high time we finally took action to
2 find *Salmonella* and to get it out of the food supply,
3 and that's what we're going to talk about for the
4 next three days.

5 Once again, I want to thank everybody for
6 coming. I look forward to your comments. We really
7 truly appreciate your participation. If we didn't,
8 we wouldn't be having these meetings. We want to
9 work with all of you today and in the future to
10 improve the safety of the U.S. meat and poultry
11 products that we are responsible for regulating. And
12 NACMPI members, new members, once again, welcome to
13 the work that is laid out for you.

14 And with that, we'll turn it over to Carol
15 Maczka, almost back on schedule.

16 (Applause.)

17 DR. MACZKA: Hello. My name is Carol
18 Maczka, and I'm the Assistant Administrator for the
19 Office of Food Defense and Emergency Response. I
20 also lead the Data Analysis and Integration Group for
21 FSIS.

22 The title of my talk is Rationale and

1 Process, and that's the rationale and process for an
2 enhanced slaughter inspection system.

3 I'm going to start with a question in an
4 attempt to define our goal with respect to slaughter
5 inspection. And the question is, how can FSIS
6 enhance slaughter inspection to achieve measurable
7 improvements in the control of foodborne pathogens
8 and improve public health?

9 And the approach to accomplish this goal is
10 twofold. First, we want to apply a formal process
11 for data collection and analysis, and I'll go into
12 that in a few minutes. You'll also hear more about
13 that tomorrow at the Meat and Poultry Advisory
14 Committee meeting.

15 The second part of this is to define using
16 a science-based approach, the factors and
17 accompanying data that can be used to inform our
18 inspection activities. And the second of these is
19 really a cornerstone of the first.

20 In terms of the process, we are responding
21 to stakeholder comments which suggested that we
22 formalize an overall process for data collection and

1 analysis, and this process involves the development
2 of a technical plan and a technical paper, and those
3 two pieces will address the problem to be addressed,
4 the data collection and analysis strategy, the
5 results and the interpretation of data analyses. And
6 the process also would incorporate stakeholder and
7 peer review.

8 And for those of you who will be attending
9 the Meat and Poultry Advisory Committee meeting
10 tomorrow, we're going to ask the Meat and Poultry
11 Advisory Committee to comment on the process and
12 particularly when we should be opening up the process
13 to stakeholder input and peer review.

14 The next slide I'm going to show you is an
15 overview of the process. So the process starts with
16 product definition, and that's pretty much the goal
17 statement that I or question that I presented at the
18 beginning of the talk.

19 The second step would be to develop a
20 technical plan, and that plan will describe data
21 collection and analysis strategies. It would address
22 any statistical methods that we would use. The next

1 step would be to collect, perform analyses and
2 develop a report, a draft report. The conclusions of
3 that draft report would take into consideration any
4 assumptions, sources of uncertainty and data
5 limitations. Once the draft report is completed, we
6 would use that to inform our decision-making.

7 And then eventually, we would do a program
8 evaluation. We would ask the question, are the risk
9 management actions we're taking, are they working?
10 Are we achieving our goal? And our goal would most
11 likely be a reduction in pathogen levels or it could
12 be improving, you know, carrying that all the way out
13 to improving public health.

14 On the right-hand side of this process,
15 I've indicated where we are proposing that we seek
16 stakeholder input or peer review. And so you'll see
17 that stakeholder input comes into problem definition,
18 the draft report and also in the technical plan, and
19 we're also suggesting that we subject the technical
20 plan as well as the draft report to peer review.

21 And so we're interested in your comments
22 with respect to the process and we're also going to,

1 as I said before, ask the Meat and Poultry Advisory
2 Committee to comment on the process.

3 The next step for enhancing slaughter
4 inspection, involves determining what factors and
5 data should be used in resource allocation, and what
6 we'll be doing here is we're going to be doing
7 analyses to determine what are the important factors,
8 and then of those factors, we would like to analyze
9 them to determine how they could be used to
10 prioritize activities within establishments or to
11 rank establishments.

12 As far as potential factors within an
13 establishment, a risk assessment has been completed
14 at FSIS which examines offline HACCP activities that
15 would lead to greatest reductions in pathogens. And
16 specifically here we're talking about *Salmonella*
17 reductions. It incorporated PBIS data and *Salmonella*
18 testing results, and David Goldman will be talking
19 about the risk assessment in more detail later in the
20 program where we talk about scientific foundations
21 for decision making. The risk assessment will also
22 be the subject of a later public technical meeting.

1 As far as looking at potential factors for
2 ranking establishments, some of the factors that
3 we're going to be considering are volume as an
4 indicator for potential exposure, *Salmonella* and
5 *Campylobacter* and generic *E. coli* as indicators of
6 contamination and process control. And again David
7 Goldman will be addressing those particular data,
8 *Salmonella*, *Campylobacter* and *E. coli* when he gets to
9 the scientific foundations for future decision
10 making. And other potential factors could be non-
11 compliance records, food safety audits, enforcement
12 actions, consumer complaints and recalls. All these
13 factors will undergo additional analyses to determine
14 which of them should be included in an algorithm for
15 slaughter inspection.

16 And that brings me to my last slide which
17 is entitled Next Steps. Our next steps then is to
18 seek your input into the process that I've presented
19 as well as the information that you're going to hear
20 in this meeting with respect to slaughter inspection.
21 What we're interested in specifically is what factors
22 should be included in an algorithm for slaughter

1 inspection. We're also going to continue to develop
2 the technical plan and once that's completed, we will
3 ask for your input and subject that to peer review.
4 And then finally in the beginning part of this, we're
5 going to ask the Meat and Poultry Advisory Committee
6 to comment on the process on food data collection and
7 analysis. That's it. Thank you.

8 (Applause.)

9 MR. TYNAN: Thank you, Carol, very much. I
10 understand that we have our connection with the folks
11 on the phone. So I think they heard the majority of
12 the discussion to this point.

13 As I mentioned earlier, we have about a 10-
14 minute block of time that we're allowing for comments
15 and questions. We're a little bit early which is
16 good. So I'm going to allow some questions from the
17 audience, and then I'm going to ask the operator to
18 take some questions from the folks on the phone.

19 We have microphones in both aisles. If you
20 could come up to the microphone, please introduce
21 yourself and your affiliation for purposes of the
22 transcript, and we'll go from there. Felicia.

1 MS. NESTOR: Felicia Nestor, Food and Water
2 Watch. Can you explain the difference between this
3 and RBI because the factors that you're looking at
4 seem to be similar, if not identical, to the factors
5 being considered in RBI in processing? And as far as
6 I know, the Agency has made a distinction recently
7 saying that this is not RBI in slaughter.

8 MR. TYNAN: Thank you. Dr. Raymond, did
9 you want to address that?

10 DR. RAYMOND: Sure. You bet. This is
11 risk-based inspection but to avoid the confusion that
12 we seem to have created when we talk about risk-based
13 inspection in processing and risk-based inspection in
14 slaughter and having people seem to be unable to
15 differentiate between the two, one which was a public
16 gathering of information, conversation, thoughts and
17 ideas, and rewriting the plan as we went along. The
18 second, in slaughter, is gathering information, ideas
19 and thoughts and then writing a proposed rule which
20 would go to a public comment period once it is
21 published, and then we will have a final rule
22 eventually which will direct us for inspection and

1 slaughter. We decided to change the name to public
2 health based inspection and slaughter because it
3 really is based on public health data and that will
4 hopefully help to clarify between the two when we
5 have these discussions.

6 MR. TYNAN: Other questions from the
7 audience here?

8 (No response.)

9 MR. TYNAN: Operator.

10 OPERATOR: If you would like to ask an
11 audio question, please press star 1 on your touch
12 tone phone. You will be prompted to report your
13 name. To withdraw your question, press star 2. Once
14 again, if you would like to ask an audio question,
15 please press star 1.

16 (No response.)

17 MR. TYNAN: Operator, there are no
18 questions?

19 OPERATOR: Not at this time.

20 MR. TYNAN: Okay. Thank you. I'm going to
21 go back to our audience here.

22 MS. NESTOR: Felicia Nestor, one follow-up

1 question, Dr. Raymond. You said this one is public
2 health based because it's based on public health
3 data. Isn't RBI -- doesn't RBI in processing use
4 similarly the microbiological data? What other
5 public health data is being used in the RBI in
6 slaughter that's not being used in the RBI in
7 processing?

8 DR. RAYMOND: There are slight differences,
9 but if we wanted to be a little sarcastic, we could
10 say, well, it's public health based inspection in
11 processing, and there's public health based
12 inspection in slaughter, and then we once again have
13 everybody confused. We're trying to separate
14 processing from slaughter. There are very different
15 regulations which direct our activities, daily
16 continuous inspection versus daily inspection,
17 rulemaking versus no rulemaking. It's all public
18 health based. It's all to reduce the number of
19 foodborne pathogens and other adulterants that the
20 public is exposed to. It's all about putting our
21 resources, our energy, our time, our dollars where
22 they do the most good to reduce the risk of foodborne

1 illnesses. And you can call it whatever you want to
2 call it. What we're talking about today is
3 inspection in slaughter plants and how we propose to
4 change it based on the data that we have to better
5 protect the public's health.

6 MR. TYNAN: And I think some of your
7 questions will be answered by some of the other
8 speakers as well. Mr. Elfering?

9 MR. ELFERING: Yes. Kevin Elfering, I'm on
10 the National Advisory Committee. Just for in
11 preparation for tomorrow, one of the comments that
12 you had was that offline HACCP leads to some of the
13 largest pathogen reductions. If we could maybe have
14 a discussion of which ones those are and have them
15 available for our meeting tomorrow.

16 DR. MACZKA: David Goldman will be going
17 into that in the presentation on the scientific
18 foundations.

19 MR. TYNAN: Ms. Kowalcyk.

20 MS. KOWALCYK: Barbara Kowalcyk, CFI. I
21 just wanted to comment that I am pleased to see that
22 the Agency has kind of undertaken going through this

1 process. This is something that I think has been
2 needed for a while and will help. I will caution the
3 Agency, this is a monumental undertaking and I've
4 seen the agenda for tomorrow's meeting, and I think a
5 lot more time should be devoted to flushing this
6 process out and making sure that you have it down
7 right because the long term ramifications of it could
8 be significant. And it's very important that you
9 have data people and statisticians involved in this
10 process from the very beginning and taking a very
11 active leadership role in the process.

12 MR. TYNAN: Okay. Thank you. Are there
13 other questions from the audience here?

14 (No response.)

15 MR. TYNAN: Operator, could I ask you to
16 query the folks on the phone?

17 OPERATOR: We do have one question, sir.

18 MR. TYNAN: Okay. Thank you.

19 OPERATOR: Nancy Donley from STOP, your
20 line is open.

21 MS. DONLEY: Good morning, everybody. It's
22 hot and humid here, too, in Chicago. A question

1 regarding the small and very small plants outreach
2 efforts, I guess my question is what has now
3 necessitated the move to do this, low these I want to
4 say it's 9 or 10 years HACCP was supposed to have
5 been implemented in the plants? Has there been a new
6 set of problems or just continuing problems so that
7 the folks in RBI system is suggesting that the Agency
8 needs to be more involved in getting more help?

9 DR. RAYMOND: Good morning, Nancy. This is
10 Dr. Raymond. I'll try to answer that to the best of
11 my ability. What precipitated this was actually we
12 pulled inspection in a plant in Montana, I can't tell
13 you whether it was a very small or small, but it was
14 the small or the very small. Do you remember, Bryce?
15 Bryce says it was a very small plant. We pulled an
16 inspector because of sanitation issues. We got many
17 calls from the Governor of Montana, Senators, et
18 cetera, with many accusations about why does it
19 happen. I asked Bill Smith who at that time was
20 Assistant Administrator for Field Ops to go up to
21 Montana and visit these folks, let them know why we
22 had taken this action, and I asked Mr. Quick as the

1 Deputy Administrator to go with Bill. And they went
2 up and had a listening session. Actually, they had
3 three listening sessions in three different parts of
4 Montana so that small and very small plants and their
5 elected representatives could come and explain to us
6 their views and Bryce and Bill came back and told me,
7 we've got a real problem in Montana. They just don't
8 get it, and we've got a problem up there. I said
9 just make sure that if it's Montana, fine, but let's
10 do some listening sessions in representative parts of
11 the United States for small and very small plants and
12 get their opinions.

13 And what we did is we conducted several of
14 these listening sessions and we did find a lot of
15 small and very small plants had not embraced HACCP
16 perhaps as robustly as we would have liked them to.
17 They didn't quite understand what we were trying to
18 get. We hadn't done a real good job probably of
19 working with them in the early phases of HACCP. When
20 we worked with the large plants, they hired -- they
21 had quality assurance folks. They hired HACCP folks
22 to write the HACCP rules to make sure they stayed

1 within the HACCP regulations but as you get down to
2 the very small plants, they didn't have that type of
3 resource, those type of people, and they really
4 needed some help. A lot of these plants really
5 wanted to have more robust, more science-based HACCP
6 programs but they didn't know where to go to get the
7 help. And that's, that's the message that we got.

8 So we had a two day meeting with the
9 International HACCP Alliance in Dallas in December of
10 2005 to discuss what we had heard in these listening
11 sessions, and the International HACCP Alliance spent
12 two days kicking around how we could do a better job
13 of reaching out to these groups. They then went to
14 work and Carrie Harris (ph.) wrote a very nice
15 summary for us, which recommended next action steps
16 which we discussed at FSIS and that all culminated in
17 the public announcement or -- that we were going to
18 put some energies, time and focus and finances into
19 revisiting outreach to small and very small plants.

20 Many things came about from these listening
21 sessions. One is answers to questions when the
22 resource center, technical service center was called

1 in Omaha, often times were variable, depending
2 whether you were plant management or whether you were
3 the inspector. Sometimes they were variable
4 depending on who you talked to. We urged our small
5 plants and inspector workforce to call together so
6 they got the same answer. We worked with the tech
7 center to make sure our answers were more consistent.
8 We developed a spot on the web where the most
9 frequently asked questions could be published, so we
10 could just go to the web and get the answer from
11 there instead of dealing with human variabilities.
12 We tried to make it more seamless. But we also began
13 having combined outreach sessions. We combined plant
14 management with our inspection workforce so they were
15 hearing the same thing at the same time. These have
16 been extremely well perceived across the country for
17 the last year.

18 So I think, Nancy, it was basically a
19 matter of us going out and listening, and once again
20 taking what we heard and instead of being defensive
21 and saying we're right, you're wrong, we said we need
22 to go back and revisit this. We need to try to do a

1 better job. We need to get everybody more up to
2 speed. We realize there's some risk when we do this.
3 There will be some very small plants or small plants
4 that may say this was good enough for my father and
5 I'm not changing the way I do business. And the
6 point is if we pull inspection from a plant like
7 that, that did not participate in the outreach, I
8 have a little easier time talking to that plant's
9 Senator or Congressman or Congresswoman and saying we
10 tried, they didn't come. The plants that have really
11 wanted our help have come and they have changed and
12 they have much more robust HACCP systems now and our
13 inspector workforce has told us that. So it's been a
14 very productive year.

15 And thanks, Nancy, for the question, for
16 letting me expand on that.

17 MS. DONLEY: Could I ask a follow up?

18 DR. RAYMOND: Certainly.

19 MS. DONLEY: And that is as you know, in
20 the Farm Bill there's provision where state inspected
21 plants are looking to be able to conduct -- state
22 commerce, and as you know, there is a large number of

1 small and very small plants are under the state
2 inspection system. Will this outreach -- will these
3 outreach efforts be available to state inspected
4 facilities as well?

5 DR. RAYMOND: From looking around trying to
6 get an answer, Nancy, I'm not -- I've got one yes and
7 I get one.

8 DR. KELLY: They are now.

9 DR. RAYMOND: Oh, they are now. That's why
10 Karlease's got that new position. She's in the back
11 row but she can stand up and yell.

12 Small and very small plants that are under
13 state inspection currently are invited to these
14 sessions, Nancy.

15 MS. DONLEY: Okay. Thank you.

16 MR. TYNAN: Other questions from the group
17 on the phone?

18 OPERATOR: No, sir, not at this time.

19 MR. TYNAN: Okay. Thank you. Do we have
20 any others from those in the audience?

21 (No response.)

22 MR. TYNAN: Okay. With that, we'll make a

1 transition to the next group of speakers. We have
2 Dr. Goldman, Mr. Lange and -- yeah, if you'd like to
3 come up, that would be great. And while we're making
4 the transition, I should also mention that we have
5 one of our very public health partners on the phone
6 with us today, Dr. Arthur Liang, who is the Director
7 of Foodborne Disease. He's with the National Center
8 for Zoonotic, Vector-Borne and Enteric Diseases, the
9 Center for Disease Control. He was willing to join
10 us today. So we're pleased that he's on the phone
11 with us.

12 Dr. Raymond is taking the picture of his
13 grandson and we'll be mailing our pictures out to
14 everybody after the meeting.

15 At this time, I'd like to introduce
16 Dr. David Goldman. He is our Assistant Administrator
17 in the Office of Public Health Science.

18 DR. GOLDMAN: Good morning. While we're
19 waiting to get the slides up, I know that everyone in
20 the Agency is gratified to see the interest in this
21 meeting. As was pointed out earlier, this is a
22 monumental effort on our part and to take the

1 contributions of everyone here in the room and all of
2 our partners who aren't joining us today, to make
3 this successful.

4 I'll be with you two different times this
5 morning initially to talk to you, remind you about
6 the *Salmonella* initiatives that we have performed
7 over the past year and a half and just to remind you,
8 among other things, that despite the name of this
9 meeting, this entire effort is largely driven by our
10 *Salmonella* problem.

11 So I'm going to start with this slide.
12 This is again to remind you that our efforts go back
13 now a couple of years. And some of you in the room
14 were at the meeting in Athens, Georgia, which would
15 have been in August of 2005, just about two years ago
16 now, in which we invited the public to come and
17 discuss interventions that may be successful in the
18 preharvest area at reducing *Salmonella* in poultry.
19 Again, in that meeting and as today, focused
20 primarily on *Salmonella* in broilers, but in that
21 meeting we also discussed *Salmonella* in turkeys as
22 well.

1 We're not going to focus on this. This is
2 a single slide about that meeting, and we're not
3 going to focus on that meeting, but again it serves
4 as a reminder that we did start this effort sometime
5 ago. Some of the takeaways from that meeting in
6 Athens, two years ago, is that we have very good
7 discussion both through industry and academic
8 researchers who have been working on such efforts for
9 sometime to -- and who laid out for us much of the
10 research that has been done on various types of
11 interventions, things like bacteriophages and
12 bacteriocins and certain vaccines and probiotics,
13 many of which show great promise at reducing
14 *Salmonella* as well as other pathogens in breeder
15 stock, in layers, and throughout the farm food chain,
16 farm end of the food chain.

17 One of the takeaways for me, and I think
18 was shared by most people, is that despite the
19 promise of that research, there are quite a few
20 regulatory obstacles in that some of those advances
21 are regulated by other federal agencies, not FSIS,
22 and specifically APHIS and FDA, and as of yet, many

1 of those promises have not been able to clear some of
2 the regulatory hurdles in terms of getting approval
3 for those interventions on the farm. But I thought
4 it was a very productive discussion for us to engage
5 in and to hear about the promise of research, and
6 we'll always depend on research to help us solve the
7 problems that confront us.

8 Another thing, a tangible outcome of that
9 meeting was that we did produce compliance guidelines
10 for preharvest efforts at reducing *Salmonella* and
11 those are on our website.

12 The focus of the rest of this talk from me
13 will be on our current *Salmonella* initiative which is
14 most familiar to most of you here in the room. Of
15 course, that effort was launched in February of 2006
16 with a meeting in Atlanta, Georgia, and I think many
17 of you in the room and on the phone were at that
18 meeting.

19 What I want to do is review for you in the
20 next several slides the changes that are in place in
21 terms of our program which was announced at that
22 meeting, and each of the bullets that you see on the

1 next several slides correspond to some of the 11
2 action steps that were proposed and announced at that
3 meeting.

4 So to begin, we already now have in place a
5 system for categorizing all of the plants but began
6 to focus mostly on the poultry production into three
7 different categories based on their process control
8 as measured by the results of their *Salmonella* sets.
9 I know this is well familiar to most of you, so I
10 won't belabor the details of it, but suffice it to
11 say, we have established three levels of process
12 control indicated by the *Salmonella* set results and
13 basically the best control was defined as less than
14 half of the current regulatory standard for whatever
15 production class you're looking at. And so we've now
16 had that fairly well established.

17 The initiative has been in place for a
18 year, and so again we'll -- I'll show you some of the
19 results of that, and I believe this is the first time
20 we've publicly discussed the results of the first
21 year of that initiative. However, I think we've also
22 been very good about getting up results onto our

1 websites and many of you are familiar with looking on
2 our website for the results of those, of the
3 initiatives that we have going.

4 Another point is that we have now
5 incorporated turkey carcass sampling into the
6 program, another that we announced that we would do.
7 That actually began in late -- in June of '06. So we
8 now have a full year's worth of data for turkeys.

9 We said that we would post the results of
10 serotype data for the *Salmonella* results that we got,
11 and we have fairly recently posted the results of the
12 latter two quarters of the calendar year of 2006 on
13 our website. I think it actually went up in late
14 June of this year and, of course, the interest for us
15 as well as our partners is to be able to associate
16 the levels of particular serotypes of human health
17 concern with a reference to the CDC's website which
18 lists the serotypes of greatest human health concern.
19 And so we have now posted that data. I think we can
20 expect one of the new postings in the near future
21 will be the first two quarters of this calendar year.
22 So by that time, we will have a full year's worth of

1 data of the serotype data in particular.

2 We also said that we would post the
3 quarterly reports. We have been very successful at
4 getting those quarterly reports up by product class.
5 Hopefully again you have looked at our website and
6 are familiar with those reports. In fact, we just
7 this past Friday posted the second quarter report.
8 So we are getting those reports up in a timely way
9 and hopefully you'll find that they're beneficial in
10 your review of them.

11 We also did produce a compliance guideline
12 for broiler production, and that was issued first in
13 August of 2006, and there is a second edition going
14 through clearance right now. Part of the ongoing
15 effort is to focus our food safety assessment. This
16 was a very important part of this initiative, and we
17 have decided that in addition to the historical focus
18 of food safety assessments on plants that failed
19 *Salmonella* sets, we are now increasing our food
20 safety assessments in those plants with what we call
21 variable process control, Category 2.

22 The Agency is also continuing to look at

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1 its subtyping data and ensuring that we fully subtype
2 all of the *Salmonella* isolates that we have available
3 to us, and that we can look at that data and analyze
4 that data in order to do two things. One is to
5 associate with ongoing human illness but also
6 hopefully in the future to be able to use the
7 subtyping data in a predictive way by recognizing
8 trends in certain subtypes and certain product
9 classes and being able to intervene with the industry
10 or other partners as appropriate to address those
11 trends.

12 And just so you know, some of you probably
13 do know this as well, we've asked our National
14 Advisory Committee on Microbiological Criteria for
15 Foods, to look at what I would call the next
16 generation of subtyping methods. This is something
17 that we've recognized for a couple of years now that
18 we need to do. There are a variety of lab
19 methodologies out there that will help us more
20 precisely isolate the pathogens that we're concerned
21 about, and be able to associate those pathogens
22 across the spectrum from food specimens to human

1 isolates. So NACMCF is looking at that currently,
2 and there's a subcommittee looking into that. In
3 fact, this week they're looking at that.

4 Finally here, you do know that we have a
5 young chicken baseline that's been ongoing. We will
6 begin a turkey baseline late in this year. Once we
7 get information from those baseline studies, we will
8 obviously do some analysis of the results of that but
9 in the second talk I'll present later today, I'll
10 talk about how we'll incorporate that into one of the
11 risk assessments that's been done to support this
12 effort today.

13 We continue to look at our risk-based
14 algorithm for conducting food safety assessments and
15 scheduling sets for example. One of the ways we're
16 looking at this, continue to look at this is to
17 decide how to incorporate serotype information into
18 making those decisions about which plants we should
19 schedule for *Salmonella* sets or which plants might
20 need a food safety assessment.

21 And, of course, the final couple slides
22 here will talk about or will actually show you how we

1 have continued to monitor the changes between the
2 categories, and I'll show those over the next couple
3 of slides. I want to remind people that we set a
4 target at the beginning of this initiative that we
5 wanted 90 percent of broiler production facilities to
6 be in Category 1 by the year 2010. And so just keep
7 that in mind as you see the next table here.

8 I'm not going to go through all of the
9 results here. You already have these slides and, of
10 course, they'll be on our website as well. And again
11 the focus is on broilers primarily with this
12 initiative but I just show all of the product classes
13 because it's important for you to know that we are
14 tracking the progress or lack thereof of the other
15 product classes as well. But I want to point out to
16 you, if you'll look at the numbers in the upper left
17 there for broilers, we began with 35 percent of the
18 broiler establishments in Category 1. And as of the
19 end of the second quarter of this year, the end of
20 June this year, we now have 72 percent of those
21 establishments in Category 1. So this is actually
22 remarkable progress we think, and it exceeds our

1 expectations, and it'll show that on the next slide.

2 Just to point out for those who aren't familiar
3 with looking at this data, the reason, of course,
4 there's no data at the beginning of the initiative
5 for turkeys is that we weren't conducting ongoing or
6 regular testing of turkey carcasses at the beginning
7 of the initiative.

8 Okay. This is a real busy slide, and it's
9 a depiction again of the change in categorization of
10 broiler establishments. So this slide is just
11 focused strictly on broiler establishments. And what
12 I want to point out is that this is actually just a
13 different way of depicting what I just said a minute
14 ago, but if you look at this bar here, this shows
15 that 72 percent of the broiler establishments are in
16 Category 1. And if you were to start here and draw a
17 straight line, we've just established a linear
18 measure of our progress, as we started the
19 initiative, but you can see that we've already
20 changed that line so that again, we've exceeded our
21 expectations to date. Of course, the final results
22 won't be in until 2010, and ultimately the final

1 results won't be in until we show that we can reduce
2 human illness relating to *Salmonella*. So again, we
3 appear to be on target, in fact, exceeding our target
4 at this point in terms of moving broiler
5 establishments into Category 1. And I think what
6 this demonstrates and what I've just laid out to you
7 demonstrates is that the various steps, the action
8 steps that the Agency has implemented, and that the
9 industry has responded to, have so far resulted in
10 some meaningful reductions in the level of
11 contamination of raw products, and in particular,
12 broilers. And we again assume and hope that that
13 will lead to reductions in human illness.

14 I will point out that the ongoing baseline
15 in broilers as well as the baseline that will start
16 at the end of the year in turkeys, will provide us
17 important information on *Salmonella*, *Campylobacter*,
18 and generic *E. coli*, and we will actually be
19 quantitating each of those results. And that
20 information will be very helpful to us as we continue
21 to monitor our progress.

22 So with that, I will entertain any

1 questions you have about that rather quick review of
2 our *Salmonella* initiative.

3 MS. KOWALCYK: Barbara Kowalcyk, CFI. I
4 have a couple of comments that I'd like to make on
5 the new *Salmonella* initiative. First of all, I do
6 want to caution the Agency on their use of the
7 *Salmonella* verification testing program data. It was
8 designed to test whether or not a specific
9 establishment was meeting the HACCP performance
10 standard at a specific point in time. It was not
11 designed to draw inferences about an entire
12 population. I've raised this point before, and I
13 just want to caution the Agency again, once again to
14 watch that.

15 Earlier you said in describing the percent
16 of establishments that were in Category 1, jumping
17 from 35 percent at the beginning of 2006 to 72
18 percent in the second quarter of 2007. This is not
19 exactly surprising. I would have anticipated, based
20 on the way that the *Salmonella* initiative is
21 structured, that this would have happened. The
22 *Salmonella* results are fed back to the plants on an

1 ongoing basis. They have knowledge that they would
2 be placed in Category 1 if they achieved less than 50
3 percent of the *Salmonella* performance standard and
4 are aware when they are approaching that limit.
5 Furthermore, they have an incentive to be in Category
6 1 because that means they are not inspected or tested
7 for another two years. So one would anticipate that
8 establishments would do whatever necessary to get the
9 Category 1 establishment categorization. So they
10 could -- in essence what I'm trying to say is that
11 these results are not necessarily reflective of
12 process control over the entire period of time. You
13 have to really question whether or not this jump in
14 category 1 is really in response to the fact that
15 they have the incentive that they won't get tested
16 for another two years. So there's that issue.

17 The next issue is based on your last slide,
18 you're hoping by 2010 to have 90 percent of
19 establishments in Category 1. The whole premise of
20 HACCP to my understanding is statistical quality
21 control and in statistical quality control, you're
22 trying to reduce variation, and you do that by

1 setting performance standards or limits, bringing
2 everyone into control and then further reducing it
3 and bringing everyone into control. There's always
4 variation of every process. So you'll never get to
5 zero.

6 Okay. Now my question is if 72 percent or
7 90 percent of plants are in Category 1, isn't it time
8 to reduce the performance standards? You can't just
9 be looking -- by not reducing the performance
10 standards, you're in essence maintaining status
11 question rather than improving the system. We don't
12 just want to increase the number of Category 1
13 plants. We want to improve statistical quality
14 control and have less foodborne pathogens going out
15 in those products.

16 DR. GOLDMAN: Okay. I heard your first two
17 comments and the question there at the end. I think
18 that you make a point that we have discussed in the
19 Agency for sometime. Of course, when the HACCP was
20 first introduced, there was always the intention of
21 reexamining the performance standards and making some
22 determination in the future that it may need to be

1 adjusted. I think that we still have that discussion
2 here, and I think your point is well taken. Dan
3 actually may address that toward the end of his
4 comments when he wraps up and puts this altogether
5 but, yes, we have discussed that, and I think we
6 understand that that's an important consideration as
7 we move forward. We don't want to just get to some
8 level and just stay there, especially if we get to
9 that level, and we haven't seen a reduction in human
10 illness. Then obviously we need to do other things.

11 MS. KOWALCYK: Well, obviously the 2006
12 FoodNet data shows that some levels are currently at
13 the 1996 levels. So that is a problem. I think that
14 there should be no time that we should have 90
15 percent of establishments in Category 1 because that
16 indicates that the performance standards are too
17 high, and HACCP is based on statistical quality
18 control. This whole thing was the performance
19 standards were supposed to be reviewed and adjusted
20 on a continual basis, and they have never been
21 adjusted. It's at the levels of the 1990s. So the
22 Agency just can't -- I know one of the things this

1 meeting is to consider and the NACMPI meeting is to
2 consider are adjustments in the processing such as
3 lines, meats and so forth. You can't allow
4 adjustments in processing by reducing or increasing
5 line speeds without also adjusting the performance
6 standards down. That's my point.

7 DR. GOLDMAN: Okay. Thank you. And let me
8 point out for everyone here that the Category 1 is
9 actually half of the existing performance standard.
10 So I'm not discounting your point at all. I just
11 want to point out for everyone that the Category 1
12 that we're striving for at the moment is half of the
13 existing performance standard. I'm taking over
14 Robert's job.

15 MR. TYNAN: I was put out of work. I do
16 want to mention that we are going to have a longer
17 period for comments. So if there's questions and
18 multiple follow up questions, we don't want to
19 discourage you from asking those questions but we do,
20 in fact, have a timeframe that we're trying to work
21 against. So if you could just pose a couple of
22 questions and clarify a presentation and then let's

1 move onto the next questioner. So, Mr. Corbo, it's
2 your turn.

3 MR. CORBO: Tony Corbo from Food and Water
4 Watch. I recall when the Agency announced its
5 *Salmonella* initiative that at some point it was going
6 to post on the Agency website those establishments
7 that were not meeting the *Salmonella* performance
8 standards. And as I recall, the date that was
9 targeted was July 2007. Does the Agency still intend
10 on posting those and when will those be listed?

11 DR. GOLDMAN: If you are here at the end of
12 the meeting, you will hear about our plans to do
13 that. So we will get to that. Thank you.

14 UNIDENTIFIED SPEAKER: Tony took my
15 question. So I'll just reinforce Barb's point about
16 the need to really adjust the performance standards.
17 If 72 percent now of these plants are meeting half of
18 the performance standard, that tells me that the
19 performance standard is way too high. So I just
20 advise the Agency to continue to focus on trying to
21 bring those down. Thank you.

22 MR. ELFERING: Dr. Goldman, I apologize if

1 I didn't hear this. I just have a quick question.
2 I'm Kevin Elfering of the National Advisory
3 Committee. Are you going to be doing any molecular
4 subtyping by PFGE of any *Salmonellas*, comparing that
5 to public health data and what you know as to actual
6 outbreak cases?

7 DR. GOLDMAN: Yes, yes. We do a little bit
8 of that now. We're going to make it a fully robust
9 program in the very near future.

10 MR. TYNAN: Are there any questions on the
11 phone?

12 OPERATOR: Once again, if you would like to
13 ask a question, please press star 1. One moment.

14 (No response.)

15 OPERATOR: We have no questions from the
16 phone audience, sir.

17 MR. TYNAN: Felicia.

18 MS. NESTOR: Felicia Nestor from Food and
19 Water Watch. As some of you know, I've gotten a
20 database for the *Salmonella* testing statistics since
21 1998, and I've been looking at them, analyzing them
22 periodically. And the one thing that I note is that

1 just because a plant achieves a terrific performance
2 on the *Salmonella* standard, doesn't mean that it's
3 going to maintain that. In fact, there are some
4 really drastic fluctuations and I've got that on a
5 chart if anybody wants it.

6 So I'm just wondering, how are you going to
7 monitor that when you decrease the *Salmonella* testing
8 of these plants. You promised them you're not going
9 to test them again for two years. How do you know
10 they're not going to all of a sudden lose control
11 because they have no incentive? Would the Agency
12 consider doing something such as doing *Salmonella*
13 testing at the plants on an unofficial basis? In
14 other words, there's no regulatory action if you fail
15 the set, but we're just going to monitor and see
16 whether exempting you from regulatory action gives
17 you an incentive to loosen your controls.

18 DR. GOLDMAN: Thank you for that comment
19 and that question. I think I'm going to defer
20 answering. I think we will get to that, and if we
21 don't, remind us at the end of the presentation but
22 thank you for that question.

1 DR. VETTER: From an in-plant verification
2 perspective, what my experience has been is that a
3 lot of these plants that are attempting to achieve
4 Class 1 goals, have either implemented CCPs or a
5 multiple huddle approach, and they themselves are
6 doing ongoing testing, that we monitor through our
7 verification activities on a daily basis. And if
8 they're outside of those controls or boundaries, then
9 we would write that as a noncompliance.

10 MR. TYNAN: Thank you, Dr. Vetter.

11 MR. STROUT: Don Strout (ph.) from George's
12 Chicken. I just want to clarify that, you know, our
13 company does not totally rely on the USDA's sample
14 set for their monitoring. We do multiple testing
15 every day and it's continuous testing, and we share
16 that information with our FSIS people at the plant.
17 So it's not just a once every two year testing
18 period. We test every single day.

19 MR. TYNAN: Thank you. Any other questions
20 in the room or on the phone?

21 (No response.)

22 MR. TYNAN: We're actually a little bit

1 ahead of schedule, which is also good. What we're
2 going to do is -- I know on your agenda it says
3 break, and as I mentioned earlier, we're not going to
4 take one, other than to -- if some of you gentleman
5 as I look out, I know I'm a little bit warm up here
6 myself. If you want to take your jackets off and
7 relax and get comfortable at the meeting, we'll take
8 a two-second break to do that.

9 With that, I'm going to introduce Mr. Loren
10 Lange. He is also with the Office of Public Health
11 Science, and he's going to talk a little bit about
12 the public health lessons from our HACCP-Based
13 Inspection Models Project.

14 MR. LANGE: Good morning. I'm glad to be
15 here but I'm having more senior moments as recently
16 accounted in the speech for Dr. Karen Hovac (ph.). I
17 ran through the whole speech and the introductory
18 slides. You -- keep me on track so I don't do that.

19 Anyway, good morning. The topic I'll be
20 talking about is public health lessons from HACCP-
21 Based Inspection Models Project. I think the title
22 is an important distinction because if you look on

1 the FSIS website, you'll find volumes of material
2 that cover the HIMP project or what's called the
3 Models Project and most of it did pertain to what we
4 in the Agency have always called other consumer
5 protection responsibilities. So a lot of HIMP was
6 focused on trying to control the defects that had
7 been mentioned of bruises and feathers and
8 pinfeathers. So this talk is entirely about HIMP and
9 *Salmonella*.

10 I'm going to cover three topics. I've
11 divided it into three sections. I'll begin with an
12 overview of the current young chicken HIMP
13 establishments, sort of who are they, what are they.
14 Then I'll move to a summary of data that was
15 collected before and after HIMP implementation and
16 specific plants and finally, I'll end with comparing
17 data from the HIMP establishments, the data for
18 traditional establishments.

19 As I said, this will just be an overview of
20 the current HIMP establishments. There are currently
21 20 young chicken HIMP establishments. If you go into
22 our HACCP designation, it says that 18 of these are

1 large and two are small. Sort of just ignore that
2 because that's based on 500 employees, and I think if
3 you look at the -- well, since we have the slaughter
4 volume data, it's more about whether the plant has an
5 intensive number of employees for cut up and
6 packaging. These are all really large slaughter
7 operations and HIMP is about what occurs on the
8 slaughter side of an operation. So I tend to think
9 of these as they all fall into large slaughter
10 operations irrespective of the HACCP designation.

11 In calendar year 2006, there were actually
12 224 different federal establishments slaughtered
13 young chickens under federal inspection. 177 of
14 these account for greater than 99.9 percent and that
15 is sort of how I define the population of young
16 chicken slaughter establishments. Once you get
17 beyond this 177, you're into plants that feed I guess
18 what an economist would call a niche market, free
19 range chickens, organic chickens, and also there's a
20 fair number of plants that operate under religious
21 exemptions. There are a surprising number of plants
22 that have Confucius and Buddhist exempt operations

1 where the birds are actually, you know, shipped out
2 with the feet and heads still attached, and I think
3 there's one or two plants in the country that still
4 do a little bit of unviscerated Kosher type
5 slaughter.

6 So the 177 really is the population that
7 we're talking about. So HIMP is 11.3 percent, 20 of
8 that 177. In calendar year '06, those 20 HIMP
9 establishments account for over 16.5 percent of the
10 young chicken production. So one could conclude
11 right now 1 out of every 6 birds is now produced
12 under HIMP.

13 I thought it would be good just to sort of
14 review when the existing 20 joined the HIMP plant.
15 The first two started in 1999. The biggest chunk was
16 added in the first half of 2000. There were 8 plants
17 started from January to June of 2000, and then
18 nothing for half a year and the last 10 came on from
19 January 2001 through 2003. In 2003, there was a
20 plant that actually closed and there was a plant
21 added to take the number back up to 20. So it was
22 added just because of a plant that had closed.

1 I will say, before we leave that slide,
2 that in the early years if you followed the dialogue
3 on HIMP, there were a lot of issues. It was a
4 volunteer project. Five plants, you know, dropped
5 out very early and plants were in and out of it. So
6 there wasn't a constant. This 20 that exist today I
7 think have about 11 of the plants that originally
8 started in the project.

9 And to conclude this section, I just remind
10 people that HIMP was designed to free up inspection
11 resources for additional higher priority public
12 health tasks or higher priority public inspection
13 procedures. It was not specifically designed to be
14 the goal of reducing the incidence of *Salmonella*.
15 But more recent data indicate that HIMP, in
16 conjunction with the types of inspection procedures
17 performed, is having a positive effect overall on
18 public health because it is producing chickens with
19 overall lower levels of *Salmonella*.

20 Topic number 2, in this section, I want to
21 summarize some of the data that was collected before
22 and HIMP implementation. This will be dealing with

1 data that covers the same establishments but
2 different time periods, before they joined HIMP and
3 after they joined HIMP.

4 As the establishments were joining HIMP and
5 we had a contract with RTI that had a subcontract
6 with a laboratory that collected and analyzed samples
7 from 300 carcasses before and 300 carcasses after
8 HIMP implementation. This process was actually
9 applied to both before and after to 11 different
10 establishments. There were some plants that got the
11 before and dropped out. There were others that came
12 on later and didn't get the before but we got the
13 after. But there were 11 plants that actually had
14 data from both before and after.

15 These samples were collected, 10 samples
16 per day for 30 days, for about a six-week period.
17 The sets of 300 that were collected were referred to
18 as baseline versus Models data.

19 There is also the first eight that were
20 completed, were published in the Journal of Food
21 Protection in 2001. The reference is on here. As
22 you can see in the small table, the cumulate results

1 from the baseline for those 8 plants, that was before
2 HIMP, was 5.7 and after the Models Project was 5.9.

3 The conclusion was published in the Journal
4 that although *Salmonella* prevalence rates for the two
5 phases were not significantly different, there was a
6 minor increase numerically in a lot of the states.
7 This may be a reflection of the more sensitive
8 *Salmonella* detection method used in the Models phase
9 for two of the plants. I wasn't even aware of that
10 until I put this talk together. But one thing I do
11 want to point out, is we had those eight plants, when
12 you look at the HIMP data, they all look very
13 unique. There were three that actually went up
14 significantly. There were three that went down
15 significantly. And there were two that weren't
16 changed.

17 And before I move on, I do want to mention
18 this. Since I mentioned there were 11 plants that
19 had this data, this is the published data I could
20 find on this was in the Journal of Food Protection,
21 there is a reference in what I'll talk a little bit
22 later about what was called the third party review, a

1 team selected by the HACCP Alliance. There is a
2 reference in there to when they looked at all 11,
3 that there was a larger difference in the before and
4 after. In fact, in that paper it talks about going
5 from 4.6 to 9.2. I didn't put a slide in on that
6 because I don't like to have a slide when I don't
7 have the data, and I can't get the data, and my
8 understanding is that FSIS does not have the data by
9 specific plant that was collected, you know, under
10 contract. But again, just why I'm a little
11 suspicious of it, the HACCP Alliance Team sort of
12 said, well, they found that but it seemed to be
13 inconsistent with other data, and I looked at -- you
14 can sort of back into it. What would those plants
15 have had to have to sort of change it that much, and
16 those 3, if they 300 before and 300 after, they would
17 have had to have gone from 1.78 percent before to
18 essentially 21 percent after. It's totally
19 inconsistent with what we were seeing in HACCP
20 verification results during that timeframe, but in
21 the interest of wanting to be all inclusive, for
22 people who search the website, that's on there, and

1 it's sort of on there and it's sort of on there a
2 little bit unexplained data, but I did want to cover
3 it. Next.

4 As we mentioned, this data was collected in
5 30-day windows. There were a lot of questions raised
6 at that time about how the 30-day window could have
7 been affected by seasonality because there was no
8 control over when the baseline samples reflected
9 versus when the Models sample was collected. Not
10 quite yet. I want to show a slide from the February
11 2006 public meeting that really shows that
12 seasonality was in early years a big issue. I also
13 presented data down there that shows that it's
14 totally -- it may not have disappeared, but it's been
15 totally masked by other considerations. I mean if
16 the seasonality is still a real factor, if you can
17 hold everything else constant, it would probably
18 still show up but other changes have just totally
19 obliterated seeing any visible seasonality in the
20 data. So this is the data that was presented last
21 year, and it covered from 1998 to 2004, and I think
22 -- that was always one of my favorite slides because

1 I loved trigonometry and you never find real world
2 data that follows such a single, solo type curve as
3 this over seven years of data. But it really doesn't
4 exist anymore.

5 Okay. From one other internal FSIS
6 analysis of before and after HIMP implementation,
7 this was sort of a little bit of an extension I think
8 of some data that was presented at the June 5, 2002
9 Advisory Committee, but this is through the end of
10 2002. The staff had looked at 20 plants at that
11 time. Nineteen of them are the same that we have.
12 The only change has been the one that closed and the
13 one replacement, and they looked at the data, the
14 HACCP verification data from the period in 1998 when
15 HACCP sampling started through the actual date of
16 when each plant converted to HIMP and then after, and
17 they found that 1998 through HIMP implementation,
18 those plants averaged 8 percent and from HIMP
19 implementation through December 1, 2000, 7.9 percent.

20 Now a familiar pattern from what I said
21 before. There's 20 plants here, 11 went up, 8 went
22 down and 1 remained the same. That's 20. Good. So

1 that is sort of a similar pattern, and we don't see
2 consistent patterns in what happens when we look at
3 this data.

4 The conclusion from this second section of
5 the talk is that the majority certainly have the data
6 to support the conclusion that the implementation of
7 HACCP in young chicken establishments from 1999 to
8 2001 does not appear to have had any short-term
9 effect on the overall *Salmonella* rates on an average
10 across the HIMP establishments. You see differences
11 from establishment to establishment, but on the
12 average, we don't see a significant change there.

13 The last section, third topic, this is now
14 going to be comparing the data between HIMP and
15 traditional establishments. So we're talking the
16 data they compared over the same time period but
17 different establishments as opposed to where we had
18 the same establishments, different times periods.

19 And first back to what was called the third
20 party review. That was conducted in September-
21 October of 2002. FSIS had asked the HACCP Alliance
22 to select the team that conducted this review. They

1 reviewed the literature on HIMP that they had at that
2 time. There was a GAO report. They have the RTI
3 Journal of Food Protection article I mentioned and
4 the Agency gave them other data because they did look
5 at FSIS data for 21 establishments that were
6 operating under traditional versus 21 that were under
7 HIMP.

8 Now I assume, but I couldn't find an exact
9 record because I don't have what we gave the third
10 party alliance, but I assume the 21 traditional were
11 kept somewhere on a matching pair, either by size or
12 by state to try to form a similar group of
13 establishments under traditional inspection at that
14 time and compare them with this. I know that the
15 data is prior to September 30, 2002. I couldn't find
16 the exact timeframe. In this analysis, they report
17 in their paper that they found 8 percent from
18 traditional establishments, not significantly
19 different from 8.2 percent under the HIMP system.
20 The review team stated that they thought that since
21 this data was from sets over 51 days, over
22 approximately 3 months of -- time, they should have

1 reduced the potential for the seasonal bias that
2 might have existed in the earlier data, and plus the
3 51 sets across the 20 establishments were being
4 scheduled at different times of the year. So I
5 certainly wouldn't quibble with their inclusion
6 there. Their review conclusion is these data
7 suggested implementation of the HACCP system did not
8 affect some -- recovery frequency.

9 Now the slides that I'm going to show
10 pretty soon here will compare the *Salmonella* results
11 from HACCP verification sampling, again, this is our
12 regulatory sampling of the 51 sets but it's the HACCP
13 verification sampling for HACCP versus traditional
14 covering the complete timeframe from 2001 to 2007.
15 I'm aware that earlier presentations of data trying
16 to make this type of comparison have asked the
17 question, do HIMP establishments have lower levels
18 today, will they continue to have lower levels
19 because of the group of volunteer plants favor the
20 plants that have the best control system and continue
21 to have the best control system.

22 My conclusion is that it's kind of hard to

1 answer, and it's really next on that. I did generate
2 this table where I looked at our 1998 data when we
3 started sampling. We had 17 out of the 20 current
4 plants were tested as large establishments in 1998.
5 Interesting, one of the ones currently a small was
6 actually large in 1998 and was tested in the first
7 year. Those plants that were eventually going to
8 become HIMP plants had 10.7 percent and all large
9 establishments, of course, this was 1998s, so only
10 large establishments were being tested, across the
11 board they were 10.8. Now I would say they're
12 essentially the same. We didn't see any difference.

13 In 1999, we do start to see some
14 difference, some evidence that the HIMP plants were
15 doing better but as I sort of drilled down into the
16 data a little bit, I did find the observation that
17 four of the plants that were in 1998, that had the
18 highest results and were over 15 percent, they were
19 barely represented in the 1999 data. Don't know why.
20 Those four plants I think had about -- combined about
21 one set of data in 1999. So that could have had an
22 influence. And I did make the comparison here with

1 large. The 9.8 was essentially the large recognizing
2 that, you know, the 19 plants have a couple which
3 were small, but as I tried to explain earlier,
4 they're really large plants, and when you get down
5 into small, you start getting into plants like I
6 mentioned earlier that do have the, you know,
7 religious exemption, and we were fighting over 70
8 percent, *Salmonella* in those plants, and we don't
9 test them anymore because they weren't part of the
10 original baseline, but with the heads and feet
11 remaining on the birds, they do have a unique control
12 problem.

13 My last bullet here is were the better
14 plants starting. I'm thinking of Felicia's comment
15 here. You just see a high level of variation. I
16 mean they weren't all plants that started out well.
17 We had a plant that had three sets. One of these
18 plants had three sets under traditional, almost 22
19 percent and while they've been under HIMP, they're
20 down to 8.4 percent. We've had other plants that
21 have gotten worse. The one thing I do see when I
22 look at them, I didn't get a chance -- I got the data

1 run finally yesterday showing each HIMP plant over
2 time so I can actually graph it out over time. What
3 you do find is there's a lot of these plants, not
4 every one, they'll have a spike. They'll have one
5 year, they'll have one time period where we did a
6 set. There's a plant that has 11 sets. Ten of them
7 are down there in 2003. It just had a spike.

8 We had another plant that had a spike --
9 actually a plant that failed the set after we
10 announced our initiative last year. Over time, the
11 plants have good records and then another one spiked
12 in 2005. So 2003, 2005, 2007, you see these sort of
13 anomalies and the data.

14 And now the graphs. This is a graph that
15 shows HIMP versus non-HIMP plants, 2001 to 2007, all
16 FSIS sampled. So they would include what we used to
17 call A, B, C and D. So both follow. It's all the
18 samples that we've collected in the mandatory
19 program. We do see that as a group, these 20 plants
20 that are now in HIMP, have consistently had lower
21 levels of *Salmonella*. At times, I think the biggest
22 differential here is that in 2005, the non-HIMP

1 plants, the rest of the industry hit 16.9 percent.
2 The HIMP plants were down to 10.5 percent. The other
3 thing I observed on this one is that we see when the
4 rapid increase is going on and overall from 2003 to
5 2005, the HIMP plants actually did decrease those
6 from 2003 to 2004 and 2005. And, of course, the data
7 for the first half of this year, 5.4 percent. That's
8 a level we haven't seen before. That's a pretty
9 impressive I think level of *Salmonella* control.
10 There are 650 samples already in 2007. So, you know,
11 if we've got 20 plants, if they all had a complete
12 set, we'd have 10,020 samples in a year. We've got
13 about 64 percent of that already. So we've got a set
14 where we've gotten data from essentially, you know,
15 almost two thirds now of getting -- year. The 2006
16 data that was 8.9, we had essentially a set from
17 every plant in 2006. So at this time, none of the
18 HIMP plants have been devoid of samples for any
19 period of time.

20 Since we think of the HIMP plants and I
21 described them as essentially large plants, this
22 graph, it's the second of three on these where we

1 compare the HIMP plants versus the large non-HIMP
2 plants. The difference that you see here is that
3 where the non-HIMP plants went up, in that 2003-2004
4 period, large plants really didn't. They actually
5 went down in 2004 and then spiked up in 2005. The
6 plants were a little bit closer together on the
7 average when we compared the large versus non-HIMP
8 but again, as a group, collectively every year they
9 have had lower levels of *Salmonella*.

10 And for completeness, we have one more
11 comparing large non-HIMP versus just the large HIMP
12 even though dropping out the two small ones really
13 doesn't drop out the small slaughter operations. I
14 didn't really see any noticeable change here except
15 you don't have that three year slight reduction in
16 HIMP plants, and it actually increased a little bit
17 in 2004. But again, collectively a lower level of
18 *Salmonella*.

19 The conclusion from the third part of the
20 talk before I wrap up is over the years, the HIMP
21 plants have continued to control *Salmonella* below the
22 industry average, and overall industry rates were

1 increasing during the 2003 to 2005 time period. The
2 20 HIMP plants actually shows a slight decrease.

3 Before I end, I just want to talk a little
4 bit about tying in what we know about characteristics
5 of these plants and what we're doing, and the next
6 slide will point out that what are the major
7 differences that we're aware of. HIMP plants have a
8 far larger number of offline inspection tasks, that
9 is HACCP verification tasks, and we know that the
10 establishments and these plants are assuming
11 different responsibility for sorting carcasses along
12 the line. And the final bullet here is what both
13 Carol Maczka and David Goldman have already referred
14 to is we have this risk assessment now that will be
15 the subject of a public meeting. This risk
16 assessment will integrate the details from issues
17 like numbers of inspection tasks, the types of
18 specific inspection tasks, the results, the number of
19 NRs and *Salmonella* results and do a risk assessment
20 covering all, not just the HIMP plants, all young
21 chicken establishments.

22 And I think I'm right on this, but this

1 model in my mind, it's dynamic as opposed to -- It
2 won't look at averages. There will be a time
3 consideration of different types of NRs occur and
4 relating that to the *Salmonella* positive/negative
5 rates in relationship to NRs. So I think this will
6 be a tool that will provide a lot of input to the
7 Agency and will help us justify potential changes in
8 the future and changes to what controls, whether we
9 call them guidelines or we have standards, and it
10 will just be a very valuable, you know, instrument,
11 tool, method for the Agency to have.

12 I wanted to make a couple of specific
13 things, this risk assessment will incorporate
14 specific NR findings such as has been found in recent
15 internal study and that was of the HIMP young chicken
16 plants are receiving approximately three times as
17 many HACCP, O3J procedures, as their non-HIMP
18 counterparts, and they're achieving a higher level of
19 compliance with the statistical significant
20 difference of at least 95 percent confidence level.
21 Also the HIMP young chicken plants are receiving
22 nearly the same level of sanitation inspection as the

1 non-HIMP counterparts at this time. They are
2 achieving a slightly lower level of compliance but it
3 isn't statistically significant at either the 90 or
4 95 percent level.

5 And finally to wrap up a summary of
6 conclusions of this presentation is the
7 implementation of HIMP in young chicken
8 establishments during the 1999 to 2001 period did not
9 appear to have an effect on *Salmonella* rates before
10 and after. But over the years, the HIMP plants have
11 continued to control *Salmonella* below the industry
12 average and the overall industry rates were
13 increasing. The 20 HIMP plants actually were showing
14 a slight decrease and that we now have a risk
15 assessment that's going to add to our understanding
16 of the relationship between the -- procedures and
17 pathogen levels across all young chicken slaughter
18 establishments. Thank you.

19 (Applause.)

20 MR. TYNAN: We're going to let Mr. Lange
21 sit down but before Felicia comes up, I'm going to
22 change the routine a little bit and allow the folks

1 that are on the telephone to maybe pose the first
2 questions. Operator, can I ask you to query the
3 people on the phone please? Operator?

4 OPERATOR: Once again, if you would like to
5 ask a question, please press star 1.

6 (No response.)

7 OPERATOR: At this time, there are no
8 questions.

9 MR. TYNAN: Okay. Thank you, Operator.

10 Now we'll turn it over to the people here in the room
11 for any questions they may have.

12 Thank you, Felicia. I'm sorry to have
13 gotten you halfway up before I changed it.

14 MS. NESTOR: That's okay. Unfortunately,
15 I'm not near --

16 MR. TYNAN: You're going to have to speak
17 into a microphone.

18 MS. NESTOR: I was saying unfortunately I
19 haven't been near an outlet, and so my computer is
20 going to shut down on me any second. So I'm going to
21 do this by memory.

22 MR. TYNAN: Please, would you identify

1 yourself.

2 MS. NESTOR: Sure. Felicia Nestor, Food
3 and Water Watch. Loren, you were talking about the
4 drastic difference between the two data sets. Was
5 that between FSIS and RTI?

6 MR. TYNAN: I gave Loren a chance to sit
7 and relax and --

8 MR. LANGE: Okay. I wanted to bring -- I
9 wanted to make sure I mentioned it because if you're
10 familiar with the third party review that's on the
11 website, they did point out that when they looked at
12 all 11 of these, they saw a significant increase.
13 They saw this 4.6 to 9.2 from the baseline of the
14 Models. So then what I did is I said, well, there's
15 three plants that weren't in that RTI general food
16 protection plants, and I said, what would those
17 plants have had to be before and after to sort of
18 change the data that I showed in the table to get to
19 what was mentioned here, and I said they would have
20 had to go from 1.7 to 2.7 and then what I did after
21 that is I said, okay, I went and looked at those
22 three plants. We had essentially six sets from

1 before HACCP implementation. These are plants that
2 had very low levels then. They did have 3.4 people
3 in 293 samples. After HACCP implementation through
4 the end of 2002, they had gone up to 31 out of 306,
5 essentially 6 states under the Models with about 10
6 percent which is a lot different than 22 percent. So
7 I don't have the data from those three plants. I
8 don't know if it was given correct to the third party
9 review. I just didn't put it in the presentation
10 because it just doesn't seem to comport with --

11 MS. NESTOR: Well, what were the dates they
12 were collected and who collected that data? Did RTI
13 collect the data?

14 MR. LANGE: RTI collected the data, yeah.

15 MS. NESTOR: So, in other words, the FSIS
16 inspectors did not collect that data?

17 MR. LANGE: No, well --

18 MS. NESTOR: They did not collect the
19 samples.

20 MR. LANGE: You're asking the wrong person
21 on that one. I'm not familiar with that, but that
22 was the 300 before and after and RTI collected those

1 samples.

2 MS. NESTOR: Okay. And was that around
3 maybe 2000, before 2000? Around 2000?

4 MR. LANGE: The start date for those three
5 plants for one of them was January 16, 2000. The
6 start date for another one was June 26, 2000, and the
7 other one was January 22, 2000.

8 MS. NESTOR: Okay. We can probably discuss
9 this more in the public meeting, but I have just some
10 evidence of why you may have had the great
11 difference. In 2000, I called the tech center, and
12 asked the tech center, the person responsible for
13 slaughter inspection and *Salmonella* inspection, test
14 collection, if an inspector chooses a random sample
15 for the *Salmonella* test and it's a fecally
16 contaminated carcass, should the inspector sample
17 that for *Salmonella*, and I was told no because we
18 already know it's contaminated and therefore the
19 inspector should work with the plant to get the
20 process back under control and then take a random
21 sample. And I said, wait a minute. That doesn't
22 really sound like random sampling. Aren't you

1 supposed to sample whatever comes up, and he said,
2 no, because we already know that it's fecally
3 contaminated. So I wrote a confirmatory memo. I
4 said please write back to me if I'm wrong. Didn't
5 get anything back. Then I wrote to him many months
6 later, and said I just want to make sure again that
7 we're on the same page here, and I got the same
8 answer again. So it appears that I don't know how
9 many inspectors were calling the tech center answer
10 line on how you take a *Salmonella* broiler sample, but
11 if they were calling, perhaps they were throwing away
12 the fecally contaminated samples and RTI wasn't
13 throwing away the fecally contaminated samples.
14 Maybe that's the source, I don't know. You have
15 sample sets for all of the HIMP plants. Do you have
16 sample sets for 165S?

17 MR. LANGE: Yes.

18 MS. NESTOR: You do. Okay. You know, as I
19 said FOIA, I've gotten all the *Salmonella* results at
20 least four times, and I've never gotten any results
21 for 165S. So perhaps the Agency can share those with
22 me.

1 MR. LANGE: I'll share them with you.

2 MS. NESTOR: Okay. To your remark about,
3 you know, anomalies, unfortunately I only have data
4 up through 2005, and I think you said that it would
5 be -- the standard on HIMP was about 10 percent. The
6 HIMP plants had about a 10 percent *Salmonella* rate.

7 MR. LANGE: In that period 2005, yes.

8 MS. NESTOR: Yeah. Well, some of the --
9 there are 20 plants, and I have results for five of
10 the plants that are at least over that. One had nine
11 positives. I don't know what that is, but that's --
12 I guess that's close to 20. One had 11. One had 19.
13 And then a set that's not recorded and then 5
14 positives, another had 7 and another had 10. So, you
15 know, I think that the variation in the HIMP plants
16 also needs to be considered because, you know, it
17 doesn't matter to a consumer whether the chicken that
18 they're eating, there are several other plants that
19 are doing so well that it offsets the condition of
20 the chicken they're eating. So I think that's
21 something that the Agency needs to look at also.

22 MR. LANGE: As I mentioned, I do, and I

1 just yesterday got a chance to look at the detail for
2 each of the HIMP plants and, you know, I'm open to
3 discuss it with you anytime. I know you can get it
4 under FOIA but since you spend more time looking at
5 this data than I do, I'd rather have you look at it
6 and --

7 (Laughter.)

8 MR. TYNAN: Mr. Painter, if you could
9 identify yourself and your organization please.

10 MR. PAINTER: Stan Painter with the
11 National Joint Council. I'm wondering if we have any
12 statistical data regarding the HIMP plants versus a
13 regular plant as far as microbial. I'm wondering if
14 the HIMP plants are using more of an anti-microbial
15 rinse versus the rest of the plants because the
16 Agency over the years can never give me any
17 explanation as to why the numbers are lower.

18 DR. ENGELJOHN: This is Engeljohn with the
19 Policy Office. Stanley, we don't collect that
20 information at this time but as we move forward in
21 our process for better understanding what's happening
22 in the systems we regulate, that information will be

1 part of what we collect, so that we would have some
2 knowledge as to what's in use at the time the samples
3 are collected and whether or not there are changes in
4 the use of those treatments after the point in which
5 the sample set is done and another set is taken. So
6 that's the kind of information we'll have in the
7 future. We don't have that now.

8 MR. PAINTER: I have two further questions.
9 When is the Agency going to or is the Agency going to
10 look at the leukosis regulation that states 1/32
11 lesion or greater when identifiable lesion and when
12 is that going to be given the weight it deserves and
13 when is the Agency going to stop sending product out
14 the door and HIMP plants with the mark of inspection
15 that has never been inspected?

16 MR. LANGE: If I could, Stanley, the
17 leukosis issue we'll deal with the rulemaking
18 process, and I'm not familiar with the issue you're
19 raising there, but I am curious to get more
20 information about product not being inspected, if you
21 could give us a little more context.

22 MR. PAINTER: Well, the Agency allows it to

1 go on every day in your giblets, your livers, your
2 hearts, your necks, and gizzards go out every single
3 day that never pass by an inspector. There's two
4 tests that are done of 10 pieces of product each two
5 times a day, and yet it goes out with the mark of
6 inspection just like the chickens that are supposed
7 to go by every inspector. So how does the Agency
8 allow that to happen with the mark of inspection
9 when it's never been inspected?

10 MR. LANGE: We'll deal with that issue as
11 we go forward with the rulemaking.

12 MR. PAINTER: But can you give an
13 explanation for the reason -- how has it gone on, in
14 other words, you're saying that you're going to deal
15 with that during rule making, but how can you justify
16 since October of 1999?

17 DR. ENGELJOHN: Stanley, this is Engeljohn
18 again. The only explanation I would have at this
19 time, and I certainly will have to get clarification
20 on this, if I'm wrong on this, but if the issue is
21 that the -- this would be part of the 10 bird
22 viewings that are done in terms of verification by

1 FSIS, which I'm assuming that's what you're referring
2 to, the 10 bird or 10 sample verification, and
3 they're listed as OCP activity, other consumer
4 protection as opposed to food safety.

5 MR. PAINTER: No.

6 DR. ENGELJOHN: If that's not the case,
7 then I'll get more information and we'll get back to
8 you on that.

9 MR. PAINTER: See, that's totally not the
10 case. I mean to infer -- it has nothing to do with
11 the bird. It's the liver, the heart, the internal
12 organs that go out with the mark of inspection daily
13 as we speak.

14 MR. TYNAN: Stanley, if I could, I don't
15 think Dr. Engeljohn quite understands the
16 circumstances and we're taking up the whole time
17 trying to communicate that. If we could, if we could
18 maybe do that either at the end of the comment
19 period, perhaps you could meet with Dr. Engeljohn
20 offline and sort of talk about the context and you
21 can perhaps explain it because I'm not quite clear on
22 it at this point.

1 MR. PAINTER: I'll step down and yield the
2 microphone, but this is a concern. I've heard three
3 people come to the microphone and you all say we have
4 that information but we'll share it with you later,
5 and if we don't share that information, will you get
6 back with us and, you know, I don't like the comment
7 to go on the record, you know, so in being totally
8 transparent, I think that we need to do so. We need
9 to put our money where our mouth is.

10 MR. TYNAN: Thank you, Stan. Ms. Kowalcyk.

11 MS. KOWALCYK: Barbara Kowalcyk, CFI.
12 Loren, I had a couple of questions for you, just
13 trying to get at the question you were trying to
14 address in your presentation about are the HIMP
15 establishments just overall better than the non-HIMP
16 establishments, and what are the criteria for being
17 put into the HIMP program?

18 MR. LANGE: They were volunteer plants.

19 MS. KOWALCYK: Well, obviously then if
20 they're volunteer plants, then there is a self-
21 selection bias for HIMP plants over all plants, and
22 that may explain the difference. I think the

1 important thing to note here is that there really is
2 no significant difference based on a post baseline in
3 the HIMP plants and one would then not expect that
4 the HIMP program would reduce *Salmonella*
5 contamination but really should be viewed as a
6 management tool and not really be expected to have a
7 public health benefit.

8 MR. LANGE: Well, I think that that
9 question will be something better addressed when we
10 get into the deals of risk assessment because the
11 risk assessment is starting to show that with HIMP in
12 conjunction with the increase of offline inspection
13 tasks, they are seeing relationships between, you
14 know, compliant verification tasks and *Salmonella*.
15 We'll learn more about that. I agree at this point.

16 MR. TYNAN: Okay, Ms. Kowalczyk. Hold your
17 thought until -- we're right at 11:00. I'm going to
18 take this gentleman's question and then we'll go to
19 the phones.

20 MR. KLOPP: My name is Buzz Klopp. I'm a
21 veterinarian with Townsend, Incorporated, Georgetown,
22 Delaware, and I just -- we have been a pilot plant in

1 the HIMP program almost since day one, and I think
2 the important something that Mr. Lange did not
3 mention in his presentation, or I didn't hear it, was
4 the extensive time and resources devoted to the
5 training and monitoring of the company employees that
6 we station throughout our plants to evaluate for
7 analectic disease, and the question and concern that
8 raised about leukosis carcasses that can go out the
9 back door being unchecked, and I think this is
10 available for the public record. If you look at the
11 carcass rate of condemnation for leukosis in young
12 broiler plants in the United States, HIMP or non-
13 HIMP, you find an infinitesimally small fraction and
14 to further state the amount of vigilance that's put
15 into the evaluation of these carcasses, FSIS conducts
16 its own inspection of lots when they begin.

17 And I also thank the two speakers who
18 mentioned earlier about the extensive amount of work
19 that companies do in microbiological evaluation of
20 carcasses. And these data are available to FSIS
21 inspectors every hour of every day in all these
22 plants. So I'm not asking a question as I am kind of

1 speaking to defend my own industry here that we
2 don't want bad product going out the door, and when
3 you start looking at an issue as complex as
4 *Salmonella* and try to explain it based on a HIMP or
5 non-HIMP or chicken or whatever, you're not going to
6 do it. It's a very complex subject.

7 And my last plea, and then I'm going to sit
8 down, it's been mentioned already about serotyping
9 and subtyping of *Salmonella*, and I hope that FSIS
10 will move into the new millennium and evaluate the
11 different species of *Salmonella* that are being
12 recovered in plants because I keep hearing about
13 human illness and correlation to plants. The most
14 prevalent *Salmonella* recovered in broiler plants
15 today is *Salmonella* Kentucky. And I ask you to find
16 that on the list of human borne illnesses associated
17 with *Salmonella* and you will not find it in the top
18 20. And I don't know all the reasons for that but
19 there's a -- of good molecular science that helps
20 explain that. Thank you.

21 MR. TYNAN: Thank you for your comments.
22 I'm going to take one question from the phone.

1 Participants, Operator, can you forward the phone
2 group please?

3 OPERATOR: Nancy Donley with STOP, your
4 line is now open.

5 MS. DONLEY: Thank you. I want to start
6 by saying that I was on the National Advisory
7 Committee for Meat and Poultry Inspection when the
8 HIMP Project was proposed and rolled out, and a
9 couple of things that the consumer groups -- very,
10 very strongly for were the following: one, that the
11 plants must only slaughter and process young healthy
12 birds, that there cannot be mixed types of animals in
13 the facilities.

14 Secondly, the point that my organization
15 made is that HIMP would only be viewed a success if
16 it consistently did better than the traditional
17 plants, the plants with traditional inspection. And
18 then also that wanted to be updated on a regular
19 basis as far as how HIMP plants were performing. I
20 think the Agency has been woefully lax in the last
21 point as far as keeping the Advisory Committee -- my
22 understanding of what information they're being

1 given.

2 The last thing is that we were promised
3 that this was not going to be an effort to cut
4 inspection and inspectors in the plants, that the
5 inspectors were to be redeployed to the other more
6 important food safety tasks.

7 So I guess my question for the Agency today
8 is have you kept your word on all of these issues.
9 Are in the HIMP plants, are the same number of
10 inspectors there today when they started? And are
11 there still only slaughtering and processing one
12 classification of bird?

13 And then lastly I'd also like -- this is a
14 whole separate question, is why do the plants drop
15 out, the plants that did drop out, why did they?

16 MR. TYNAN: I'm just looking at the panel.

17 MR. LANGE: I can answer one.

18 MR. TYNAN: Mr. Lange is going to answer
19 one of the questions.

20 MR. LANGE: Looking at our EAAVRS (ph.),
21 yes, these are young chicken plants that where it's
22 called light fowl and heavy fowl are slaughtered in

1 separate establishments in the larger ones. They're
2 unique.

3 MS. DONLEY: What about the number of
4 inspectors in the plants?

5 MR. TYNAN: We don't have an answer for
6 that, Ms. Donley, but we will get that for you and
7 get back with you.

8 MS. DONLEY: Thank you.

9 MR. TYNAN: Okay. Thank you.

10 MR. LANGE: Just to clarify the question
11 though because there was talk about using freed up
12 resources for higher priority public health tasks,
13 you're asking if in the same inspection establishment
14 or using them, you know, within the inspection
15 program?

16 MS. DONLEY: It was supposed to be within
17 the establishment, that that was one of the things,
18 that it was going to maintain the same level -- the
19 number of inspectors, but they would be doing more
20 important food safety activities in the plant itself.
21 And hence my question. Has that number of inspectors
22 remained in the HIMP plants or have they been

1 redeployed elsewhere or let go?

2 MR. TYNAN: We will have to check on that,
3 Ms. Donley. But thank you for your comment.

4 MS. DONLEY: And I guess my one last
5 question was why did plants drop out, that started
6 and then they left the program?

7 MR. TYNAN: Okay. I'm sorry. I was
8 distracted. Was there another question or can we
9 deal with --

10 MR. LANGE: It was a business decision.

11 MR. TYNAN: Evidently it was a business
12 decision but we would have to check on the rationale
13 for the plants that left the program, and I apologize
14 for not paying attention to your question,
15 Ms. Donley.

16 MS. DONLEY: That's okay. And if I may,
17 how will you be following up with these questions?

18 MR. TYNAN: Well, we'll have those and
19 perhaps publish them as part of our website, respond
20 to the questions that way.

21 MS. DONLEY: Okay. Thank you.

22 MR. TYNAN: Would that be satisfactory and

1 then everyone will have an opportunity to see the
2 responses to the questions?

3 MS. DONLEY: That's fine.

4 MR. TYNAN: Okay. Thank you. And with
5 that, I'm going to close out the discussion of
6 Mr. Lange's presentation, and I'm going to turn it
7 back over to Dr. Goldman to talk a little bit about
8 the scientific foundation for decision making.

9 DR. GOLDMAN: All right. Good morning
10 again.

11 In 20 minutes I hope I'm going to present
12 to you a rather high level overview of two very
13 important studies that this Agency has done over the
14 past couple of years that I think will go a long way
15 toward perhaps answering some of the questions that
16 have arisen already but as well, informing the Agency
17 as we determine what a new poultry inspection system
18 should look like.

19 Before I move on, I want to say I have the
20 unenviable task of presenting someone else's work
21 twice in 20 minutes, and for those of you who have
22 been in that position, it's a little bit daunting to

1 do that. So I want to make sure I hit the high
2 points. This is not a technical meeting. There will
3 be other opportunities and other venues for
4 discussing the results of these studies in detail,
5 and has been mentioned a couple of times already, we
6 will have a technical public meeting on the risk
7 assessment that was conducted to support the
8 rulemaking that will be discussed a little bit later.
9 Typically and historically we have such meetings
10 before a meeting like this. We just weren't able to
11 get it scheduled but it will be held in the very near
12 future. As you know, the Agency is committed for
13 sometime to presenting its risk assessments kind of
14 in their full glory, usually about a half a day
15 meeting, and we will be announcing that sometime
16 soon.

17 So the first of the two studies I want to
18 review with you is one in which FSIS collaborated
19 with ARS to look at what I would call process control
20 in broiler establishments. And in this study that
21 was conducted over the calendar year of 2005, there
22 were 20 randomly selected large broiler

1 establishments that were evaluated as part of the
2 study. Each of the establishments was sampled over
3 four seasons to try to get at some of this question
4 of seasonality that's been discussed earlier.

5 There were some important features of this
6 study that I want to highlight with this first -- I
7 want to make sure I'm on the right slide, with this
8 first slide here. This study looked at levels of
9 generic *E. coli* which, of course, plants are already
10 doing as part of their HACCP programs, and correlated
11 with levels of *Campylobacter*. This is something that
12 we did a *Campy* baseline many years ago.

13 There have been some issues and questions
14 about the methodology used to quantify *Campylobacter*
15 which we feel were resolved with a NACMCF report of a
16 couple of years ago. So we correlated the *E. coli*
17 levels with *Campylobacter* levels. We also correlated
18 *E. coli* levels with *Salmonella* occurrence on product.
19 We did not quantify the *Salmonella* on these samples.
20 So we'll come back to that a little bit later.

21 Another important feature is we took
22 samples from two different points of processing. One

1 we called for these slides rehang which is
2 essentially after picking in the plant and the other
3 is the more traditional site for sampling which is
4 after the chill tank. So we termed those early
5 processing and late processing points of sampling.
6 Another important feature is that although the same
7 birds weren't sampled obviously, the samples were
8 from the same flock. So all of the conditions that
9 would have existed in the grow out facilities would
10 have been captured in this sampling scheme.

11 This next slide is just to show you that it
12 is focused on *E. coli* levels across all of the
13 observations in this study. And what it's designed
14 to show with this rather complicated looking graph
15 which is on a log scale, is that there is a fairly
16 symmetric distribution of results, again on a log
17 scale, and that this 1.1 log 10 of *E. coli* per
18 millimeter of rinse provided us what's termed here
19 demarcation level or a way to separate what we would
20 consider good process control from less than good
21 process control.

22 I want to point out here as well that in

1 this study, it was discovered that 13 plants had *E.*
2 *coli* levels less than 1.0 on that log scale, and 7
3 had mean *E. coli* levels on both or equal to 1.2. And
4 as will be shown in some of the following slides,
5 there are relationships between the *E. coli* levels
6 and the incidence of *Salmonella* as well as
7 *Campylobacter* levels.

8 Bear with me here. For those who are not
9 familiar with the scatter plot, I'll walk you through
10 this in a minute or two. Each point on these two
11 scatter plots depict both a *Campylobacter* level as
12 well as an *E. coli* level for a single sample. And
13 then enforce thereon the X and Y axis as well, and we
14 depict those results for both the rehang which again
15 is that early processing point as well as at post
16 chill, which again is the traditional point for
17 sampling. And what this slide depicts here is that
18 there is a relationship, it may be a little difficult
19 to see on the scatter plot, but there is a
20 relationship and you can see that what's typically
21 done with the scatter plot, is the computer program
22 will draw a line that is meant to depict the

1 relationship between the X and Y axis. And again for
2 those who may not be familiar, the 45 degree line
3 would be a perfect correlation and you can see from
4 these two scatter plots, that there's a little bit of
5 a difference and just so you know, the one on the
6 left, the correlation between *E. coli* levels and
7 *Campylobacter* levels at rehang, which again is early
8 in the processing, was statistically significant. So
9 that is -- this line here is a statistically
10 significant line.

11 The conclusion of this slide is that *E.*
12 *coli* levels samples as was done in this study may
13 provide us presumptive information about what we
14 would expect of the *Campylobacter* levels which, of
15 course, is one of the pathogens we're quite concerned
16 about.

17 This next slide is a different way of
18 depicting the relationship between generic *E. coli*
19 and *Salmonella* incidence. Again, remember that we
20 did not quantify the *Salmonella* levels but rather
21 just looked for an absence or presence of *Salmonella*
22 in this particular study. You can also see on this

1 table, there is -- that the data is presented by
2 season, and I won't go into any detail. In fact,
3 there is -- I should have pointed out in the
4 beginning, there is a manuscript that has been
5 written. It is undergoing clearance and will be
6 submitted to a peer review journal with an analysis
7 of these results, but the conclusions about
8 seasonality were minimal in this paper I can tell you
9 because it's only a one year study. So it's hard to
10 draw conclusions, a meaningful conclusion about
11 seasonality.

12 But again, this shows the relationship
13 between *E. coli* levels and *Salmonella* incidence in
14 the plants that we're studying, and you can see at
15 the bottom line here, is that for those plants that
16 have *E. coli* levels less than 1.1, their *Salmonella*
17 instance was 17 percent and for those that had the
18 higher levels of *E. coli*, their *Salmonella* incidence
19 was 27 percent.

20 Now the next slide is a statistical
21 treatment of both *Salmonella* instance as well as
22 *Campylobacter* levels against the *E. coli* levels. So

1 this table shows you on the left, the combination,
2 what's called pathogen status, again combines both
3 *Salmonella* incidence as well as *Campylobacter* level.
4 You can see the parameters that were used for
5 categorizing the pathogen status as either low or
6 high, and you can also see that for those who read
7 papers of this sort, that there's a statistical test
8 that was applied to this table and that the
9 relationships between pathogen status are correlated
10 with *E. coli* levels at the various points in which
11 they were taken in the plants.

12 Now you will see, if you're familiar with
13 this, that .06 is just a little less than
14 statistically significant by the customary measure.
15 It's usually .05 but it's pretty close. So I wanted
16 to show you these results as well.

17 So in less than 10 minutes, I've summarized
18 a year's worth of work that was quite complicated and
19 hopefully have done it justice, but I wanted to just
20 highlight some of the conclusions that the authors
21 and the researchers concluded in this work, and that
22 is as I've said before, there is a correlation

1 between *E. coli* levels and *Campylobacter* levels as
2 well as a correlation between *E. coli* levels and
3 *Salmonella* incidence. That third bullet talks about
4 the distribution of *E. coli* levels on a log rhythmic
5 scale that I pointed out earlier, and then the final
6 point is that the purpose of the study was to
7 determine whether or not generic *E. coli* could be
8 used as an indicator of process control, and at least
9 the preliminary analysis of these results suggests
10 that we can indeed use *E. coli* results and *E. coli*
11 levels particularly at the post-chill sampling cycle
12 which again is the usual place for sampling broiler
13 carcasses as a measure of process control and again
14 the hope, as I mentioned earlier, in the first talk,
15 the hope is that by monitoring the process control
16 and determining that there is good process control in
17 the plant, we'll see a consequent reduction in both
18 *Salmonella* and *Campylobacter* as this study points
19 out, and ultimately reductions in human illness
20 resulting from broilers from those two pathogens.

21 So I'm going to move on now to the second
22 of the two studies. This study is actually the risk

1 assessment. Again I want to point out that we will
2 have a technical meeting, and we'll spend literally
3 hours going through the full details of the risk
4 assessment but I think I want to highlight some of
5 the findings as has already been alluded to by
6 previous speakers, so that you can get an idea of
7 what the risk assessment looked at and what the
8 conclusions were and perhaps some ways that the risk
9 assessment needs to be improved as we move it
10 forward.

11 So FSIS risk assessment division conducted
12 a risk assessment specifically to help us determine
13 how this new slaughter inspection system should look,
14 and the second bullet is really the key here. The
15 risk assessment model that was initially constructed
16 and that exists now correlates observed inspector
17 activities in the slaughter establishments with the
18 *Salmonella* prevalence or incidence that occurs on
19 young poultry carcasses, and I'll go through in a
20 minute the data sources. But again, looked at the
21 inspector activities as reflected in PBIS with the
22 *Salmonella* prevalence as reflected in our HACCP

1 verification testing.

2 And finally we used the results of
3 *Salmonella*, in this slide, it's called dependent
4 variable. That's, of course, the variable interest.
5 We wanted to see what effect changing the inspector
6 allocation within a plant would have on *Salmonella*
7 levels, and that's the purpose of the risk
8 assessment.

9 As with all risk assessments, we began, we
10 being the Office of Public Health Science, began with
11 a discussion with our risk managers, and initially at
12 least with the Office of Policy as well as with other
13 leadership in the Agency, to determine what the
14 specific interest of the risk managers are in
15 conducting the risk assessment. So I'm just --
16 without too much discussion, I'm just going to go
17 through the list. There were four questions in this
18 case that the risk assessment was asked to try to
19 answer.

20 First was whether FSIS could reallocate its
21 inspectors within a plant without significant
22 negative impact on *Salmonella*. The other is whether

1 or not the relocation of inspectors from, for
2 example, online to offline duties, either within or
3 outside of the plant, what effect that might have on
4 human illness. The third question was where within
5 the plant can the inspection personnel be relocated
6 that would have the most impact on reducing microbial
7 prevalence, and then what was the uncertainty around
8 these estimates? As all risk assessments do, they
9 try to measure the uncertainty of the conclusions
10 that are drawn from the model.

11 So this risk assessment used -- the next
12 couple of slides will tell you about the data
13 sources. There were 2,395 total observations
14 composed of various data types. The data as
15 mentioned for the *Salmonella* results were pulled from
16 this case, the calendar year 2003 through 2005. They
17 were aggregated as it says by month and year so that
18 we could potentially draw some conclusions about
19 seasonal changes. There were various types of
20 inspection activities represented or inspection
21 programs rather represented in this particular risk
22 assessment. You can see that there were some

1 implants included as well as some variations on
2 traditional inspection which have been improved under
3 our regulations.

4 The risk assessors talk about two different
5 kinds of variables in this risk assessment. One is
6 called a decision-tracking variable. In essence,
7 it's the procedures, the online and offline
8 inspection procedures as well as scheduled and
9 unscheduled procedures. You can see the list of
10 procedures for those who are familiar with our PBIS.
11 You'll be familiar with those codes, as well as the
12 number of inspectors on and offline. Those were what
13 we call our decision-tracking variables.

14 The next category is called performance
15 efficiency variables. These are the PBIS non-
16 compliant and not performed procedures. That should
17 be non-compliant, not non-complaint there. So those
18 are the variables that were in the model.

19 Now I'm just over the next couple of slides
20 going to walk you through some of the results from
21 the model output. First is that an increase in the
22 number of offline inspectors is associated in this

1 model with the reduced *Salmonella* prevalence. A
2 decrease in the number of unperformed sampling
3 sanitation and HACCP procedures were also associated
4 with reduced *Salmonella* prevalence. To the first
5 point, just to drill down a little bit more,
6 establishments with 25 percent more offline
7 inspectors that compared to a baseline group, saw
8 their *Salmonella* prevalence go from -- it was 13.9 or
9 excuse me, it was 12.7 percent compared to the
10 baseline of 13.9 percent. Again, our interest here
11 is in making changes that affect pathogen
12 contamination rates but ultimately affect human
13 illness.

14 An increase in the number of scheduled
15 sampling, random facility sanitation and some
16 wholesomeness procedures, are associated also with
17 reducing *Salmonella* prevalence in those plants. And
18 finally, the increase in the number of plant
19 scheduled sampling and sanitation procedures, which
20 are often done because of conditions that exist in
21 the plant on a given day, are also associated with
22 reduced *Salmonella* prevalence.

1 I'm going to end up by talking about what
2 the next steps are. As has been mentioned before,
3 our risk assessment models are dynamic models. They
4 are meant to be able to have new data incorporated as
5 well as new data fields for example, new variables,
6 so that we can model those changes that we like to
7 see models so that we can examine the output and see
8 whether the changes that have been modeled result in
9 the expected changes, in this case, in pathogen
10 prevalence.

11 We need to continue the evolution of this
12 model. We will again further refine our look at the
13 optimal deployment of our resources and the
14 consequent public health impact of the reallocation
15 of those resources. And we will also want to look at
16 the correlation between the reallocation of those
17 resources and the process control. So back to the
18 first talk in this session, the evidence of process
19 control that was depicted in an earlier talk, we want
20 to incorporate into the model as well.

21 Finally, as with all risk assessment
22 models, there's always a need for data. We would

1 rather rely on data rather than assumptions although
2 risk assessment models need to rely on both because
3 in some cases, there's not data.

4 The first data here is probably one of the
5 most important. We did not have quantification data
6 of the *Salmonella* and, of course, this model looked
7 at only the absence or presence of *Salmonella* without
8 knowing what the levels were which makes it hard to
9 conclude that or to draw a strong conclusion about
10 whether or not *Salmonella* is related to changes we
11 make in the deployment of inspection resources, that
12 is meaningful in terms of affecting human health.

13 So we will, as we pointed out earlier, you
14 have this ongoing baseline study for broilers. We'll
15 have one for turkeys as well. But for the broiler
16 model, I'm just talking about now, we will be able to
17 incorporate this baseline sampling data which will
18 include enumeration data, and we can improve the
19 model that way.

20 As also was mentioned earlier, we would
21 like to incorporate some more specific data about
22 both *Salmonella* serotypes and subtypes. The point

1 was made earlier that not all serotypes are the same.
2 We do realize that, and we need to incorporate actual
3 serotyping into the model as well.

4 And then finally, we want to look at what's
5 called process control evaluation, and we'll look at
6 modeling, for example, changes in line speed, offline
7 reprocessing and the relationships that were
8 discussed in the earlier talk about the relationships
9 between rehang and post-chill pathogen levels.

10 So those are some of the kind of next steps
11 in terms of this particular model. We will have this
12 public meeting coming up soon. So this is a preview
13 of that public meeting, and I hope that you will
14 develop some questions and comments and bring to the
15 public meeting in which we will discuss this risk
16 assessment model so that we can make the model
17 meaningful to our purposes here.

18 I think I've covered everything I need to.
19 I will try to entertain any questions about either of
20 the two talks that I just gave.

21 DR. BERNARD: Thank you, Dr. Goldman. Dane
22 Bernard from Keystone Foods. My sympathies for

1 having to give somebody else's material, and please
2 forgive me for asking an in depth question.

3 Regarding the correlation between *E. coli*,
4 *Campy*, *Salmonella* paper, was there any attempt to
5 remove infective process in airsacculitis birds from
6 the data set? In-plant experience would indicate
7 that if you have those conditions, which do
8 occasionally come in, those will skew your data. So
9 I'm curious as to whether those were accounted for in
10 the database?

11 DR. GOLDMAN: If you'll forgive me for not
12 answering your in depth question. I will ask if
13 there's anybody in the room who is more intimate with
14 the study who could answer that, and if not, then we
15 will get you an answer to that.

16 DR. BERNARD: Okay. Thanks. One more
17 question.

18 UNIDENTIFIED SPEAKER: The answer is no.

19 UNIDENTIFIED SPEAKER: The answer is no, we
20 did not --

21 MR. TYNAN: Okay. So for those of you who
22 couldn't hear, the answer was that those conditions

1 were not excluded from the study.

2 DR. ENGELJOHN: This is Engeljohn with the
3 Policy Office. If I could just interject that it
4 raises an interesting issue, one from the National
5 Advisory Committee for Microbiological Criteria for
6 Foods identified, that is an issue with regard to
7 generic *E. coli* and I do know that we'll look at that
8 issue, but it wasn't accounted for in the data that
9 was presented.

10 DR. BERNARD: Okay. Well, we don't know
11 whether we had any birds with those conditions
12 included in the data set or not.

13 DR. ENGELJOHN: Well, get that issue
14 resolved and we'll make a statement on it.

15 DR. BERNARD: Thanks, Dan. One other
16 question if I may. Your risk assessment model, of
17 course, we had several correlations there, and we all
18 recognize the correlation is not necessarily
19 causation. How may we get to that next step?
20 Thanks.

21 DR. GOLDMAN: This is David Goldman.
22 That's a big question. It's not an in-depth

1 question, but it's an important question. I don't
2 know how necessarily in this model we'll get at
3 causation. I think to the extent as I showed on the
4 last slide, if we can get more precise data in there,
5 we may be able to draw some conclusions but I think
6 it's going to be perfect in terms of drawing
7 conclusions that because we've redeployed inspection
8 resources in a plant, it has resulted in this. What
9 we've done with this initial output is just simply
10 show the association of those two sets of data.

11 DR. BERNARD: Thank you.

12 MR. TYNAN: Ms. Kowalcyk.

13 MS. KOWALCYK: Barbara Kowalcyk with CFI.

14 Just before I forget, I just wanted to follow up on
15 something that Dane said. It's very important that
16 the Agency truly understand that correlation does not
17 necessarily mean causation and the industry does not
18 attempt to make the leap from correlation to
19 causation in drawing inferences.

20 Okay. With that said, I have a couple of
21 questions, and Dr. Goldman, I'm not necessarily
22 expecting you to be able to answer these. I was

1 interested in the 2005 national survey, if the Agency
2 could provide information on what the actual
3 correlation, you had your scatter plot diagrams, and
4 what the actual correlation coefficients were in
5 those scatter plots. I don't need them right now.

6 The other question in your summary on the
7 two 2005 national survey on poultry operations, your
8 last bullet says that supports process control based
9 on post-chill *E. coli* and I would agree that just
10 initially looking at these results, it's probably
11 true but the samples are small, and as you noted, you
12 only looked at one year of data. Does the Agency
13 have intentions to continue looking at this or is
14 this done or are you going to continually look at
15 this, whether or not post-chill *E. coli* supports
16 process control?

17 DR. GOLDMAN: Again, I think Dan will
18 probably get to that a little bit. I will tell you
19 that the study that was done in 2005 has not been
20 continued as such. It was an initial attempt to look
21 at those correlations but I think we will probably
22 get to the answer to your question when Dan comes up.

1 MS. KOWALCYK: Well, I would hope that --

2 DR. GOLDMAN: Unless he wants to address it
3 now.

4 DR. ENGELJOHN: What was the question?

5 DR. GOLDMAN: Okay. The question is
6 whether we will continue to look at the correlation
7 between *E. coli* levels at post-chill versus the
8 pathogen levels?

9 DR. ENGELJOHN: This is Engeljohn. If I
10 could just address that the current baseline for
11 young chickens and for any turkey that we would have
12 in the future, both have or had, both rehang and
13 post-chill, and will continue to definitively and
14 specifically look for associations related to
15 indicator organisms whether that be a pathogen or a
16 non-pathogen. So the answer would be, yes, we
17 definitively will and our intention to the baseline
18 will be to establish what the likely average or some
19 other marker should be such that we could use those
20 for performance measures. So they will be
21 incorporated in future criteria that we would set.

22 MS. KOWALCYK: One last question. In the

1 model -- in the risk assessment model results, one of
2 the results on the first bullet was that there was an
3 increase in the number of offline inspectors
4 associated with reduced *Salmonella* prevalence, and if
5 I recall correctly, HIMP plants were included in this
6 risk assessment. Did FSIS look at whether or not
7 that association is coming directly from HIMP plants
8 which may be of a different population than
9 traditional plants?

10 DR. GOLDMAN: That's a good question. As
11 far as I know, that sub-analysis that you refer to
12 was not done or has not been done yet. It may be
13 that the observations for HIMP plants were so small
14 in number that they can't do that, but I think that's
15 a good suggestion. If it hasn't been done, we will
16 look at that.

17 MS. KOWALCYK: I would strongly recommend
18 that you do that before you assume that that's --
19 that applies to all plants. Thank you.

20 DR. ENGELJOHN: And this is Engeljohn.
21 Just to address it, because we anticipated the
22 question, and for the presentation that Dr. Goldman

1 gave, it did not include those results, but when we
2 have that technical meeting, there is going to be a
3 very specific breakout of the data along the lines
4 that you're suggesting.

5 MS. KOWALCYK: Okay. Thank you.

6 MR. TYNAN: Okay. I'm not sure who came up
7 first. I didn't see Mrs. Foreman but I'll ask her to
8 start, and then I'll come over to Felicia, and then
9 we'll take questions from the phone and move onto our
10 next topic.

11 MS. TUCKER-FOREMAN: Carol Tucker-Foreman
12 with Consumer Federation. Am I the only person who
13 wasn't -- who has never seen this risk assessment,
14 you know, I thought I had downloaded all of the
15 relevant papers for this meeting but I don't have
16 that paper. I've never seen it.

17 MR. TYNAN: We don't have the risk
18 assessment at this time, and I think we're going to
19 make that the subject of a public meeting, so there
20 will be a more in-depth discussion.

21 MS. TUCKER-FOREMAN: I understand that but
22 I just find it extraordinary that you would have two

1 presentations on a paper with slides that none of us
2 has seen. You have made it part of the basis for
3 this meeting, and yet none of us has been able to see
4 this, or at least I haven't, to be able to see what
5 the parameters were for your risk assessment and what
6 you chose to exclude in the risk assessment. We have
7 no idea whether this -- it has been put together in a
8 manner that we would not want to challenge certain
9 basic assumptions because goodness knows, we have
10 often challenged the basic assumptions in FSIS risk
11 assessments. I just find it extraordinary that you
12 come and make this part of the record of this meeting
13 without providing us with the basic information. And
14 frankly, I just don't think that's appropriate and
15 that it should not be part of the basis for this
16 meeting. And if I were a Judge, I would say to the
17 jury, you will please disregard this information
18 because it's not properly before this body.

19 MR. TYNAN: Well, I certainly understand
20 your concern, Mrs. Foreman, and as I said, we are
21 going to have a specific public meeting to address
22 the details of that.

1 MS. TUCKER-FOREMAN: But for any reporters
2 who are here today, it's really not appropriate to
3 come and make a presentation and make these
4 assertions without providing people with the
5 information on which they're based. You shouldn't
6 have raised it at this meeting.

7 MR. TYNAN: Okay. I understand your
8 concern, but the questions regarding the risk
9 assessment will be addressed at a public meeting.

10 Ms. Nestor.

11 MS. NESTOR: Felicia Nester, Food and Water
12 Watch. I actually was going to say similar to what
13 Carol was saying except, you know, rather than saying
14 that we've often challenged the basic assumptions, I
15 point out that the OIG and GAO have criticized FSIS'
16 scientific design of any experiments that you do
17 repeated. And so my suggestion is that prior to the
18 meeting on the risk assessment and the discussion of
19 how you're going to be doing this experiment, that
20 you post for the public all of your plans so that we,
21 for instance, when we hear you're going to be looking
22 at line speeds and how they correlate with this or

1 that, that we know exactly, that you present us first
2 with what your instructions to the field are going to
3 be, because I've been doing this since 1995 and
4 repeatedly I hear the Agency say, this is what we're
5 going to be testing and then you start the test and
6 then I talk to inspectors in the field and, you know,
7 the design of the sampling doesn't pass the laugh
8 test for elementary school scientific design.

9 You know, it's not proper to do -- to waste
10 all that money on an experiment. Give us the
11 opportunity first to see how you're going to be
12 collecting this data. And if anybody thinks that,
13 you know, I'm picking here, the Agency has been --
14 one of its foundational programs has been *E. coli*
15 O157:H7 since 1998. They've been collecting data on
16 that since 1998.

17 Recently the consumer groups asked in that
18 data set, do you include the results from ground beef
19 lots that have been pretested by industry or if the
20 industry finds out that that lot is contaminated with
21 *E. coli*, do you throw that sample out? And we
22 approached the Agency with this in early April. We

1 got one answer and then we got another. We got one
2 answer, we got another answer. Back and forth, back
3 and forth, and we finally got the answer four months
4 later. Now that's not appropriate, and if that kind
5 of performance is the same kind of scientific design
6 that's going to be used as the basis for doing these
7 correlations, it's going to be a waste of money and a
8 waste of time and a threat to public health.

9 So contrary to what's happened here, and my
10 guess is probably what happened with the NACMPI
11 meeting, we need the information before we come to
12 this meeting. I know that we can submit public
13 comments, but this is supposed to be a public
14 meeting. This is supposed to be a meeting where
15 members of the public can communicate with other
16 members of the public and provide them information
17 that they worked out based on what the Agency was
18 putting forward. So I know it's FSIS' typical
19 pattern to provide the information the night before,
20 perhaps after the meeting on the subject, but we need
21 it before. Otherwise, it's just a farce.

22 MR. TYNAN: Before you go on, Dr. Raymond,

1 I --

2 DR. RAYMOND: Well, several things I'd like
3 to respond to here. We've got about an hour and 15
4 minutes left. The reason we had this meeting this
5 week is to present what we have and what we're going
6 to base public health based inspection slaughter on.
7 We'd like to see the comments, and I think we strayed
8 from the purpose of the meeting. I've done a couple
9 of public meetings, asked people to stay on task here
10 a little bit. Talking about ground beef is a long
11 ways away from poultry slaughter I would venture to
12 say.

13 Also, we've had a lot of public meetings in
14 the last year. We do this to have an exchange. I'd
15 like to keep the exchange at a level that are
16 constructive and have constructive dialogue. Saying
17 something we do wouldn't pass an elementary laugh
18 test doesn't really stimulate me to go on and try to
19 improve beyond what we're doing or even to conduct
20 more public meetings. I don't know how many we've
21 had in the last year but probably this is number
22 seven or number eight, and they tend to kind of get

1 down like this one's getting right now.

2 And with the limit of time we have left, I
3 think we should get back to task. I've never said we
4 were perfect. I think in the two years we've
5 probably had more public meetings we had six years
6 before that. There is the danger of our receiving
7 criticism when we do public meetings. We didn't have
8 to have this meeting today. This is to help
9 everybody understand where we're at, where we're
10 going and to get your comments. And again, we're
11 doing this in the spirit of communication openness,
12 transparency. To go back to something we did wrong,
13 8, 9, 10 years ago, isn't going to help us get better
14 in the next year.

15 I know we can get better. I know we're not
16 perfect, and we won't be perfect for a long, long
17 time, but if we're going to let perfect get in the
18 way of better, you all have to remember the 14.4
19 people per 100,000 will get Salmonellosis this year,
20 the same number as last year, the same number as the
21 year before. We must do something different, and
22 that we have shown. We've seen the examples. We did

1 not cherry pick the HIMP plants. They're voluntary.
2 Loren's data showed you the first HIMP plants had
3 almost exactly the same *Salmonella* ratings as the
4 large plants that are doing non-HIMP at that time.

5 I know if we had two countries, one to
6 export chicken to America, and one of them had
7 *Salmonella* rates of 10 percent, and one of them had
8 *Salmonella* rates of 5 percent, and FSIS said we'll
9 take the chickens from the country with 10 percent,
10 you would all call for my head. I'm saying we've got
11 plants that are at 10 percent. We've got plants that
12 are at 5 percent. I want to eat chicken from the
13 green line plants, not the red line plants. Help me
14 get more plants into the green line.

15 MR. TYNAN: Ms. Nestor, I'll let you have a
16 short follow up. Short.

17 MS. NESTOR: I just wanted to say that the
18 example I gave was not about ground beef. It was
19 about the most recent example of FSIS not knowing
20 what the heck they were doing with the scientific
21 critical part of their public health program. And
22 I'm sorry my comments do not -- would not stipulate

1 Dr. Raymond to improve because we really need the
2 Agency to improve above that level.

3 MR. TYNAN: And I think we're trying to do
4 that. I think the point that Dr. Raymond made is
5 that it's -- your comments are going in a wrong
6 direction. They aren't helpful when you talk in
7 terms of laugh tests, and that's just not the way we
8 want to conduct the public meeting. Mrs. Foreman.

9 MS. TUCKER-FOREMAN: Carol Tucker-Foreman
10 with Consumer Federation. Dr. Raymond, I'm really
11 troubled by your comments here. I just don't expect
12 to have a public official call a public meeting and
13 then stand up and chastise members of the public for
14 making their views known. I don't think it's
15 appropriate. There were parts of your comment that
16 might have even been taken as a threat if you keep
17 doing this, we won't hold public meetings. I don't
18 think that's appropriate. I think you're obligated
19 to hear from the public and certainly this
20 Administration has said it wants the kind of
21 transparency that is in public meetings and you have
22 as well. I think those comments were really contrary

1 to the way you have acted and certainly are contrary
2 to what we would hope you would do.

3 The problem that I have raised is that you
4 have brought to this group and asked for public
5 comment on a paper you haven't made available. How
6 can I possibly responsibly comment on this meeting
7 and your proposal when I haven't seen a basic risk
8 assessment document that you say is part of your
9 decision-making process. That makes this meeting I
10 think maybe it wasn't worth having it.

11 MR. TYNAN: I think what Dr. Raymond
12 pointed out is that we have tried very hard to be
13 open and transparent in all the things we're doing.
14 This is probably at least the seventh public meeting
15 that I personally have been involved with, and I'm
16 not at all certain that there haven't been others as
17 well. I admit perhaps in this particular case, we
18 would have been better served by doing the risk
19 assessment first perhaps, but I think what we're
20 trying to provide is an overview, and we're giving
21 you also the assurance that we are going to have a
22 public meeting related to risk assessment.

1 MS. TUCKER-FOREMAN: But you are asking for
2 public comments now.

3 MR. TYNAN: On the --

4 MS. TUCKER-FOREMAN: How can the public,
5 and I'm not talking about the industry, which I am
6 sure has seen the description of your risk
7 assessment. How can we give you any kind of
8 meaningful comments on a project where the basic
9 document, the risk assessment document, is not a
10 public document?

11 MR. TYNAN: I'm going to take one question
12 from the phones, and then we're going to go on and
13 begin our next topic.

14 Operator, can you query the phone
15 participants please?

16 OPERATOR: Our first question comes from
17 Ms. Pat Buck.

18 MS. BUCK: Hello. Am I on?

19 MR. TYNAN: Yes, Ms. Buck.

20 MS. BUCK: Yes. This is most certainly
21 interesting. I mean I think there's a very good
22 point to be made to the fact that consumer groups

1 like the industry can only evaluate things when we
2 have total information. And in the future, you know,
3 I would recommend that you provide us the documents
4 with the information, as quickly as possible.

5 The question I basically have though, I
6 keep coming back to the fact that *Salmonella* has
7 returned to the 1996 level according to the most
8 recent -- data. And I would take issue with the
9 gentleman who spoke about the fact that Kentucky will
10 see, you know, *Salmonella* that they were finding the
11 most of. Perhaps that is true. I don't have access
12 to my computer right this minute but I remember
13 reading in the 2006 *Salmonella* report, that of the
14 top 10, something like the top 7 strains of
15 *Salmonella*, I think enteritidis and Newport and Java,
16 accounted for something like 70 to 80 percent of all
17 the human illnesses. And I think that is a problem
18 that we need to keep focused on, that we do not have
19 the type of control for *Salmonella* that is preventing
20 human illness. And whatever we need to do, whether
21 we need to increase the sampling sizes or the
22 frequency that we take samples, which none of the

1 presentations presented today, gave me any indication
2 of how often or what size samples would be taken.

3 Until we start doing that, you know, on a
4 scientific basis, I'm a little nervous about moving
5 forward with other innovations to increase like the
6 line speed in, you know, poultry processing or in
7 poultry slaughter, and I hope some of the more
8 detailed information pieces will be provided in the
9 future presentations by FSIS. Thank you.

10 MR. TYNAN: Okay. Thank you, Ms. Buck. Do
11 we have another question from the phone callers?

12 OPERATOR: Not at this time.

13 MR. TYNAN: Okay. Thank you, Operator.

14 With that, I'm going to change topics, and
15 I'm going to invite Dr. Dan Engeljohn to come on up
16 and talk about next steps.

17 DR. ENGELJOHN: Thank you. I'm going to
18 talk about the next step with regards to our public
19 health-based slaughter inspection activities, and the
20 plans that we have in terms of moving forward.

21 First, the Agency is, in fact, going to be
22 pursuing rulemaking with regards to our activities on

1 slaughter for poultry. The activities would include
2 both broilers and turkeys. Rulemaking will address
3 both ultimately but unless processing, we need to do
4 rulemaking because we actually have regulatory
5 barriers in place that prevent us from being able to
6 make the types of inspection changes that we believe
7 will have an impact on public health, a desired
8 impact on public health while, in fact, refocusing
9 some of those activities to allow the industry to, in
10 fact, sort birds and do other actions that may, in
11 fact, not be directly related to public health
12 outcomes.

13 Some of those existing regulations are
14 specific to the types of inspection systems that we
15 have. We have a streamline inspection system. We
16 have a new line speed inspection system, all of which
17 have criteria built into them that are directly
18 related to other consumer protections but not
19 necessarily items that deal specifically with public
20 health.

21 We also asked for as part of our *Salmonella*
22 initiative last February, petitions from industry or

1 suggestions as to how industry could, in fact, make
2 modifications to their programs while still
3 addressing desired public health outcomes, one of
4 which was we had suggested because we knew industry
5 had an interest in increasing line speeds over and
6 above those that are in the current regulatory
7 requirements. In addition, we have time/temperature
8 requirements for broilers that were based on prior
9 prescriptive type regulations, not necessarily on a
10 scientific basis for which birds have to get to 40
11 degrees within a very specific time period based on
12 the weight of the bird, but the objective of ensuring
13 that there's no growth of pathogens was not
14 formulated as part of that rulemaking.

15 In the advent of HACCP being put in place,
16 there are other means by which birds can, in fact, be
17 controlled as far as pathogen growth goes during the
18 processing intervention for which that particular
19 regulation does pose an impediment. And so this was
20 one of the petitions that was included along with the
21 industry recommendations.

22 And then thirdly, the Agency has some very

1 specific regulatory requirements for fecally
2 contaminated birds in which by regulation the birds
3 are required to be taken offline and handled and
4 reconditioned. We actually have data that shows that
5 the handling of the birds makes the condition worse
6 than for those birds that are not handled online, and
7 so the Agency's intention, as we've already published
8 a proposed rule on reprocessing is to incorporate
9 this into the rulemaking and add a performance major
10 for industry to meet. This would be the
11 considerations that we would have.

12 And then as part of the rulemaking that
13 went in place with the pathogen reduction HACCP
14 regulations, the Agency put a requirement on industry
15 to test for generic *E. coli*, a certain number of
16 birds out of the production over a period of time,
17 but there were no regulatory consequences of not
18 meeting those criteria. And so the Agency has, in
19 fact, looked at its performance matrix that it has in
20 place and is considering a means by which we can make
21 that a more effective program whereby there is a
22 necessity to address the data with regards to process

1 control for this indicator organism.

2 For current thinking then, under
3 rulemaking, and whats received through two petitions
4 from the Agency, would be to consider issues related
5 to HIMP. Information was presented this morning in
6 that there are lessons learned from HIMP. HIMP, as
7 designed in its current protocol, is not precisely
8 what the Agency would view as being the optimal
9 design for an inspection system, but there were
10 important features to it that we believe should be
11 considered, one of which is industry's capability to
12 sort birds before they're presented to FSIS'
13 inspection. Another would be for us to principally
14 focus on food safety hazards, for example, the
15 septicemic or toxemic carcasses and fecal material,
16 and as well animal diseases. And then to put in
17 place considerations for online reprocessing that can
18 be built into the overall control program. But the
19 continuous improvement with regards to pathogen
20 control so that throughout the processing and
21 dressing of the birds, there isn't a rise in the
22 level of contamination.

1 And then as we've done through our baseline
2 designs in more recent times, as well as through the
3 ARS FSIS research study project that was conducted,
4 we know that there is a need to look at both pre-
5 chill and post-chill and to ensure that there's
6 continuous improvement. We believe that there is
7 some relatedness with indicator organisms and
8 pathogens and think this is a first step of looking
9 at rehang and post-chill. We need to be looking at
10 the parts and I'll discuss that a bit later.

11 We also know that there is a benefit from
12 looking at enhanced offline verification activity
13 that's specifically related to sanitation and food
14 safety, for which our employees could be deployed
15 when they're not on the line conducting carcass-by-
16 carcass inspection. And then we would, in fact,
17 ensure that whatever we propose would have some
18 predicted public health gains to the design of the
19 inspection system. All these would be through a new
20 means by which the Agency is starting to do its
21 business whereby we would, in act, publish a
22 technical plan in advance of this rule publishing

1 that would identify the type of data that we'll be
2 using, how we intend to use the data and more
3 importantly, the scientific basis for decisions as we
4 move forward. So that would be a component that we
5 would want to put in place prior to this rulemaking
6 publishing which at this point in time, considering
7 that we do already know based on preliminary work of
8 just addressing these issues that I'm identifying
9 here, that this would be an economically significant
10 rulemaking. It's been designated or will likely be
11 designated by OMB as an economically significant rule
12 having an effect on the economy of \$100 million or
13 more. This would be a criteria that OMB would use.
14 And so for that reason, there would need to be some
15 very specific options identified as considerations
16 that we would have made, and then the cost and
17 benefit associated with each of those options.

18 A second issue in terms of our next steps
19 would be stakeholder input on the draft risk
20 assessment. Our intention is that as quickly as we
21 can arrange to have a full venting of the assumptions
22 made in our risk assessment, that was information

1 that was presented earlier, to give you the
2 perspective that the Agency has in terms of how we
3 looked at the data, the assumptions that we used, and
4 then why we would, in fact, draw the conclusions that
5 we did with regards to an impact on public health.
6 This really would be the first time that we've looked
7 at a risk assessment that's tied directly to the
8 inspection procedures that are performed in the
9 establishment. And so this would, in fact, give us
10 an opportunity to present to you a unique way of
11 looking at a risk assessment to make predictions on
12 public health.

13 I would expect that as we have done in the
14 past, we've had at least a full-day meeting on risk
15 assessment. I'm not sure how long we would schedule
16 for this one, but we know the importance and
17 sensitivity of it, and we would, in fact, want to
18 make that available prior to its discussion that we
19 would have asked for input on it. Clearly peer
20 review is part of that process, and this would be one
21 of the foundation documents that would go into the
22 rulemaking that we're developing and expecting to

1 publish later in spring of '08, would be the earliest
2 that we could publish an economically significant
3 rule. So there is ample opportunity between now and
4 then for there to be public input to inform and
5 influence our decision making as we go forward. We
6 would want to have this risk assessment public
7 meeting sometime early this fall.

8 In terms of our activity related to our
9 *Salmonella* initiative, we did receive two petitions
10 as I suggested. We've had some considerations of
11 those petitions as well as what was asked for. Line
12 speeds was, in fact, a focus of the petitions because
13 they dealt in part with broilers but they also did
14 deal with turkey establishments and so the
15 considerations that the Agency has at the moment is
16 that we're interested in looking at the initiative
17 proposal that we had put out in terms of tying any
18 changes to our inspection activity to predicted
19 public health outcomes.

20 With that in mind, the Agency is interested
21 in looking at a potential initiative project that
22 would not change our inspection activity in the

1 plant. At this time, our current thinking would be
2 to keep the inspection activity as it is in the
3 plant, that's not operating under HIMP, but put in
4 place some criteria for which there would be a direct
5 performance element related to control for
6 *Salmonella*, generic *E. coli* and *Campylobacter* clearly
7 at rehang and at post-chill, as well as any online
8 reprocessing that would occur.

9 In this particular scenario, the Agency
10 would look at the feasibility of adding inspection
11 personnel to the line. We've at first assessed
12 whether or not that's feasible in the plants that
13 could qualify for this, and we would ask for
14 volunteer plants at this time. Our consideration
15 would be to establish criteria that would give the
16 plant some perspective as who could likely qualify.
17 And then we would make an assessment as to whether or
18 not inspection personnel could be added to the line
19 in order for ultimately the plant could perhaps
20 increase line speed but there would be some
21 consequences related to its pathogen performance
22 criteria and meeting that.

1 In order to deal with this particular issue
2 in which these would be plants that we would like
3 expect to have exceptional performance, and so you
4 know, we do have a number of broiler plants and
5 turkey plants that would qualify at having in essence
6 less than 2 percent positives on any *Salmonella* set
7 that the Agency has conducted, and likely under the
8 industry data, showing that or even better
9 performance. So the Agency would set a very
10 restrictive performance criteria to qualify to be in
11 this particular volunteer program, and then require
12 that there be performance met throughout the program.

13 In any case, the Agency has heard the
14 comments that have come forward. We have had some
15 concern about the issue of our *Salmonella* sets being
16 once every two years in these exceptional performing
17 operations, and the Agency does intend to construct a
18 means by which we would make unannounced sampling of
19 carcasses and send that information in to compare our
20 results with those of the plants. So this would not
21 be a full *Salmonella* set but it would be one in which
22 we would take samples, send them to the laboratory as

1 a means to have some check against the industry's
2 data for which our intention would be the industry
3 would share their data with the Agency as is one of
4 the approaches that we have in our algorithms,
5 considerations that we have for our inspection system
6 activities in the future. Industry data would, in
7 fact, serve the same purpose as if it were FSIS data.
8 For that reason, the data would be made available to
9 FSIS, and we would, in fact, make decisions based on
10 it. In order to do that, we have to have some
11 additional assurance for verification for which we
12 would take unannounced tests.

13 In addition, the Agency is focusing on the
14 public health gains that we would consider in terms
15 of rulemaking that we would have for our *Salmonella*
16 initiative. And in this case, we would be looking as
17 the Agency will be doing, putting all of our
18 *Salmonella* positives isolate PFG patterns and other
19 multidrug resistant information into databases that
20 can, in fact, be used to close what we consider to be
21 a need with regards to an attribution gap. This
22 would, we believe, if we were to focus on trying to

1 associate subtyping with public health that, in fact,
2 we would have a better means to be able to identify
3 whether or not changes in the present positive rate
4 in the products that we regulate as raw products will
5 then have a positive impact on public health if, in
6 fact, that rate is reduced. This information would
7 go both into FoodNet and PulseNet and we would want
8 to put the industry's data into those databases as
9 well.

10 We would set performance criteria for
11 maintaining a status in the initiative. For those of
12 you that are familiar with the current HIMP program,
13 there is no disqualification criteria in essence
14 within that program, but this would have some very
15 specific criteria that would, in fact, be put in
16 place to stay in the initiate or to operate in
17 existence of a variation from current regulation.

18 And as well, because our employees would be
19 in these plants, any activity that we would pursue
20 here, we would need to ensure that all of our
21 bargaining obligations are met before we would
22 actually implement that.

1 Considering where we are and how we would
2 want to go forward, we would like to initiate this by
3 putting out a list of the criteria that we would
4 consider to go forward with, publish that on our web
5 page, ask for volunteers, and then pursue the
6 obligations that we have with bargaining in terms of
7 making known what our intentions are.

8 I would also say that the Agency's
9 intention, as a question was asked earlier whether or
10 not we intend to pursue publishing the percent
11 positive rate for performance of plants, the Agency
12 has. It has not yet published in the Federal
13 Register, but at this point in time, it is our
14 current thinking and our intention to make known that
15 we will post the results of the establishments with
16 regards to the FSIS verification testing program.

17 As well, if the Agency were to rely upon
18 industry data, and this will be a topic at the public
19 meetings tomorrow, in terms of our National Advisory
20 Committee, that the industry data may as well be used
21 and made available on that website and identified as
22 being industry data verified by FSIS. In any place,

1 the Agency's intention is to publish a prototype of
2 the type of page that we propose that would have the
3 information there, when the last set was, in fact,
4 collected and various information about that set and
5 categorization. That we intend to do yet early this
6 fall.

7 In terms of our fourth next step, the
8 Agency intends to pursue microbiological enhancements
9 within the HIMP plants. This is a little more
10 complicated in that there is more activity the Agency
11 needs to consider here, but we do have in place
12 current HIMP plants that are operating. They're
13 performing as they have for, as Loren Lange's slides
14 presented, in some cases for nearly a decade or more
15 almost, in terms of how long they've been in the
16 program. The Agency would intend to put in place
17 some criteria, that's some performance criteria
18 related to pathogens and indicator organisms would
19 need to be met in order to maintain status in that
20 HIMP program. The Agency would identify these
21 criteria much like what we intend to pursue with
22 regards to the *Salmonella* initiative project where we

1 would keep the inspection system the same. In the
2 HIMP, we would conduct the same type of activity
3 we're doing today except that we would look for
4 ongoing pathogen testing, *Salmonella*, *Campylobacter*
5 and generic *E. coli*, for that information to be
6 submitted and performance criteria to be met in order
7 to stay in that program.

8 Again, here this would be an issue where
9 *Salmonella* positive isolates from the industry, we
10 would expect the industry to share with us and to put
11 into PulseNet and FoodNet. Our goal here is to
12 protect public health and demonstrate that our
13 inspection system enhancements will have the desired
14 impact on public health. In order to do that, we
15 need to have better information about whether or not
16 the types of *Salmonella* and pathogens in the products
17 we regulate are, in fact, having an effect on public
18 health. In order to do that, we believe it's the
19 subtyping information and the multidrug resistant
20 factors and so forth that, in fact, could help close
21 to a great extent the attribution gap that we believe
22 is present. And again, there because we have an MOU

1 with our bargaining unit, it would require us to make
2 known what our intentions are and how we would like
3 to go forward. This we don't think we could actually
4 get underway until later this year, winter of '07,
5 but in any case it is something that we would want to
6 move forward with and certainly would seek input on.

7 Our fifth next step then looks at assessing
8 new points for microbiological sampling. The Agency
9 knows that there is an attribution gap with regards
10 to the products we regulate, particularly the raw
11 products that go into distribution and that are
12 handled by the consumer for which lethality is
13 applied to them, and so the attribution becomes far
14 more complicated. We know through our own *Salmonella*
15 rinse test, that today we only select one *Salmonella*
16 colony from the rinse that is plated out onto a
17 plate. There may, in fact, be more types of
18 *Salmonella* present on that plate. The Agency intends
19 to pursue that issue with its research partners and
20 agricultural research service as well as any
21 information that the industry may have. But we also
22 believe and strongly believe, as a matter of fact,

1 that as the carcass is dismantled and handled, the
2 individual parts, that the likelihood of
3 contamination and further contamination occurs and
4 that the Agency must establish performance criteria
5 for the individual parts. These are sold to the
6 individual consumers at the retail level, and we need
7 to focus there. Our current baseline studies don't
8 address those particular components, but we believe
9 that we must address them in order to again have
10 better information about attribution. This would
11 require some redesign of the baseline studies, but it
12 would also require us to begin focusing on the
13 carcasses as they're dismantled.

14 As you know, with the ground products
15 performance criteria, we have some of the worst
16 performance particular in the broiler industry with
17 regards to ground product, ground poultry or ground
18 chicken in particular as compared to ground turkey.
19 But in any case, the issue is the Agency doesn't
20 really know or understand why in many cases the
21 ground product *Salmonella* level is considerably
22 different than that on carcasses for which the

1 carcass data would show it to be very good. In any
2 case, this would be an area the Agency will focus as
3 we go forward. It's the parts and the ground product
4 for which we will consider developing baselines to
5 get at the issue of what actually is happening with
6 those products.

7 And then, sixth, our next step would be
8 continue to have open and transparent dialogue in
9 order to ensure that we're addressing the issues of
10 concern that are raised by stakeholders, that we are,
11 in fact, moving forward with changes in our
12 inspection system, that will have the desired and
13 intended public health impact as we make those
14 change.

15 Again, we'll have a technical plan that
16 will be accompanied with what we intend to do. We'll
17 make that known to you and available in plenty of
18 time for you to be able to comment before we actually
19 propose the rule. There will not be a rule until
20 sometime next spring, and there's plenty of time
21 between now and then to seek input from the public.

22 That's all the slides that I have. There

1 were a couple of questions raised earlier that I'll
2 address now, and then if I don't catch them, then
3 please signal me in some fashion, and I'll try to get
4 to your answers. If not, we'll make a point to post
5 written answers as part of the transcript and follow
6 up on the web page.

7 A question was asked about continuous
8 improvement and whether or not the Agency is
9 intending to change current performance standards or
10 guidelines that we have presently published in the
11 regs, and in some cases, we don't have performance
12 criteria published in the regulations.

13 The answer is that we do, in fact, have the
14 broiler baseline study that's underway, the turkey
15 baseline as well, will, in fact, establish over the
16 course over a full year of analysis at least, what
17 the current performance is. The Agency will take
18 that information and much like establishing the prior
19 performance standards, the 20 percent positive rate
20 that we have for broilers at this time. That would
21 be the new performance standard or guidelines that we
22 would put in place and from which we would establish

1 a new Category 1, Category 2, Category 3. So I hope
2 that answered that question. The baselines are the
3 intended route to establish what the current true
4 national prevalence and enumerative level is of
5 various pathogens and indicator organisms, and those
6 data will be used to establish a new standard from
7 which we will then ratchet down.

8 So as you know presently, Category 1 is
9 half the current standard. And so a new criteria
10 would be established as a consequence of the outcome
11 of the baseline. We recently conducted a ground beef
12 or trim study which will establish a similar type of
13 standard for that product.

14 The question about whether or not the
15 Agency intends to publish plant performance. You
16 should expect the Agency will publish all plants
17 performance for all completed *Salmonella* sets. For
18 those low volume operations, I think Loren mentioned
19 religious exempt and then we have some plants
20 presently that are not sampled because they either
21 produce intermittently or the Agency has failed to
22 get them incorporated into a sampling set. The

1 Agency intends to come up with alternative means to
2 gather information about *Salmonella* and other
3 pathogens in those plants on some recurring basis
4 such that we could establish some guidance for
5 similar types of operations that don't fit into the
6 current construct that we have for full *Salmonella*
7 sets. In any case, we intend to make that
8 information published and available. We will present
9 some means by which we will update the information.
10 Clearly we would like to incorporate industry data
11 into the current plant's ongoing performance. And I
12 would just say, because I may not have made it clear
13 in the slide that I had about the *Salmonella*
14 initiative and the HIMP plant project, part of the
15 petition that we received was that the industry as
16 they identified earlier today by industry members,
17 their intention is to sample every day their
18 operations on an ongoing basis.

19 And so that will be part of the criteria.
20 There will be ongoing industry sampling that will
21 supplement and be ongoing whether or not the Agency
22 tests at any given period of time. So that will be

1 part of the criteria that we would put in place. It
2 would be part of what we would continuously verify,
3 and if we were to use that data and it were to
4 influence inspection activity in that plant, that
5 data would be considered the same as FSIS data. It
6 would be available in term of to the public. It
7 would, in fact, be posted on our web page in terms of
8 identifying whether or not it's industry data or FSIS
9 data, the point being that it's an opportunity to
10 find ways to use industry data to supplement that of
11 FSIS in a way which is verifiable and that we can
12 have assurance that there's ongoing enhancements and
13 improvements to the inspection systems.

14 I have an answer to the question, Stanley,
15 that you raised, and if I don't completely answer it,
16 we will get a written response fully articulated but
17 your question related to why in HIMP plants we don't
18 inspect the viscera organs, the liver and giblets.
19 Part of that answer is that we do have an online
20 inspector stationed at the end of the line and the
21 viscera is gone at that time, as you well know. The
22 Agency had made a decision that leukosis is the issue

1 for which we're concerned about in these birds, in
2 terms of that's what we're actually looking for when
3 we're looking at those organs. We do have some
4 criteria, decision criteria that we use for a 300
5 bird set if, in fact, we believe leukosis is an
6 issue. I'm not fully aware and understanding of
7 those decision criteria. Clearly, if that's an issue
8 you have concern with, we need to talk further about
9 that, but that is one of the decisions that we make.
10 If it is a flock for which we believe there is
11 concern about leukosis, then we do do a 300 bird
12 check, and then if, in fact, it passes, or we don't
13 have further concerns, then we go back to the type of
14 sampling that you mentioned earlier. But I certainly
15 can clarify this further if that's something that you
16 desire. In any case, we will post a more thorough
17 answer on the web page.

18 Why plants drop out? I don't have an
19 answer to that. We'll certainly get that but I would
20 say that in any case, I can't imagine why it would be
21 anything other than a decision that was made by the
22 plant, not by FSIS. In the future, we clearly would

1 have performance criteria in place.

2 We intend to collect the interventions each
3 time we collect the samples so that we know what is
4 being done in terms of better informing us about the,
5 the integrity of that sample and what it represents
6 in terms of production process. That is an activity
7 for which we're designing the methodology now to
8 collect.

9 I think those are the questions that I was
10 asked to answer. If I've missed something, I do have
11 a list of the information and we will make a point to
12 put written answers on the web page as a consequence
13 of this meeting.

14 And with that, Robert, if there are any
15 questions, I'll be happy to try to entertain them.

16 MR. TYNAN: Thank you, Dan, very much.
17 I'll open it up to -- I have somebody here. I was
18 going to open it up to the phone, but we'll ask
19 Dr. Vetter, and if you could identify yourself and
20 your organization, please.

21 DR. VETTER: Dr. Vetter with NAFV. I just
22 have a question for clarification. The new

1 rulemaking process, is that going to consider just
2 young poultry and exclude breeders as it has with the
3 HIMP project? And also, when you're going to pursue
4 microbial testing enhancements, with the HIMP plants
5 in particular, will you also look at it in the turkey
6 establishments that are operating under HIMP?

7 DR. ENGELJOHN: If I understood the
8 question correctly, you asked whether rulemaking will
9 look at only young versus older, perhaps not as
10 healthy birds?

11 DR. VETTER: Breeders.

12 DR. ENGELJOHN: Breeders. Okay. I think
13 -- at the moment, I don't know if we have the data on
14 the breeders, and I'm looking for my staff to tell me
15 whether or not we're incorporating it into this
16 initial rulemaking. It doesn't include in this
17 initial design but our intention ultimately will be
18 to effect all the slaughter operations, whether they
19 be breeders or old fowl, whatever. Ultimately when
20 we have the data to inform how we go forward, we will
21 incorporate that into the construct of rulemaking.
22 So the initial one will be young. Turkeys will

1 ultimately be a part of that as well.

2 MR. TYNAN: Thank you, Dr. Vetter.

3 Mr. Painter.

4 MR. PAINTER: Stan Painter of the National
5 Joint Council. I wanted to address what was
6 mentioned earlier regarding the MOU from
7 Dr. Engeljohn. Does the Agency envision the MOU that
8 it holds between the Agency and the Union to be in
9 place until the rulemaking is complete?

10 DR. ENGELJOHN: Unless I get signals from
11 somebody else, this is Engeljohn, and the answer
12 would be, yes, to my understanding it would remain
13 until we get rulemaking published. I think this is
14 the criteria that we are set to operate under.

15 MR. PAINTER: Okay.

16 MR. TYNAN: Thank you, Stan. Ms. Nestor,
17 and then I'm going to take a call from the phone.

18 MS. NESTOR: Do you want to do that first?

19 MR. TYNAN: No, no, go ahead please.

20 MS. NESTOR: Felicia Nestor, Food and Water
21 Watch. A couple of comments. Food and Water Watch
22 submitted a FOIA request on the NRs from HIMP plants.

1 I think we submitted it in early 2006. So far I've
2 gotten the results I think it's from three plants,
3 possibly four. So I'm just hoping that before the
4 public meeting in early fall of 2007, we could have
5 the records from the rest of those plants. This is
6 2005 data we're asking for.

7 Second, on the issue of using industry
8 data, what safeguards will there be to prevent
9 industry employees from cherry picking the chickens
10 that they're using for *Salmonella* testing? I mean if
11 FSIS was following a protocol of discarding the
12 fecally contaminated carcasses because we already
13 know they're contaminated, what's to prevent the
14 industry from doing that if FSIS is going to be
15 relying on that data? And that I think is it.

16 DR. ENGELJOHN: This is Engeljohn. To
17 answer the FOIA, I don't have an answer for you. We
18 clearly will look into that. The public meeting that
19 we would intend to have on the risk assessment on the
20 HIMP plants does deal with the performance, the NRs
21 from them. So clearly I believe we would have
22 something more thorough and more recent data as well.

1 You're asking about 2005 I think but I'm sure you
2 would not object if we make more recent data
3 available as well. I'll follow up on that.

4 On the issue that you have about industry
5 data, I think you raised some extraordinarily
6 important questions that do need answers and for
7 which tomorrow's public meeting by the National
8 Advisory Committee on Meat and Poultry Inspection is
9 intended specifically to address, how to use industry
10 data. And so I would just ask that if you don't
11 bring it up, clearly the staff that's dealing with
12 that issue at the public meeting will, in fact, make
13 sure that it gets covered. But I think you raise
14 important issues for which criteria is very important
15 to have articulated and should be a part of that as
16 well.

17 MR. TYNAN: Ms. Kowalcyk, do you have a
18 question?

19 MS. KOWALCYK: You can go to the phone line
20 first.

21 MR. TYNAN: Okay. I just didn't want you
22 standing up there.

1 Mr. Bernard, do you have a question as
2 well?

3 I'm going to do the phone if that's all
4 right but is that -- okay.

5 Operator, do you have anyone on the phone
6 who has a question please?

7 OPERATOR: Yes. And once again, if you
8 would like to ask a question please press star 1.
9 Our first question comes from Jeff Frank (ph.) of
10 Oldham's Industries (ph.).

11 MR. FRANK: What are the next steps for the
12 swine, the butcher and sow kill operations?

13 DR. ENGELJOHN: This is Engeljohn with the
14 Policy Office. Swine, there is some swine slaughter
15 HIMP activity that occurs and that will remain for
16 now. We do have some interest in terms of *Salmonella*
17 performance of swine plants, and there are
18 differences with regards to HACCP plant size with
19 regard to *Salmonella* performance. The Agency's
20 intention will be to, as we did with broilers and
21 turkeys, in terms of focusing on poultry and
22 *Salmonella*, we will, in fact, be looking at what more

1 we need to do with the hog slaughter operations in
2 order to address what we see as highly variable
3 performance within that operation.

4 In terms of rulemaking and where we're
5 going with swine slaughter, that would be something
6 at this point in time that isn't being anticipated in
7 the short term. I'm not aware of regulatory issues
8 that need to be dealt with there but clearly would
9 welcome any input that you have that we should be
10 considering. At this time, rulemaking isn't a
11 consideration that I'm aware of with regards to hog
12 slaughter.

13 MR. FRANK: Thank you.

14 MR. TYNAN: Operator, other questions from
15 the callers?

16 OPERATOR: Another question comes from Pat
17 Buck.

18 MS. BUCK: My question is, in listening to
19 your very detailed proposal of what the next steps
20 will be, I didn't hear any mention of including the
21 CDC in part of your development plans in the next
22 steps. I would like to see a stronger effort made on

1 the part of FSIS to reach out to CDC and include them
2 in their plans so that we can, you know, better
3 reduce foodborne illness.

4 DR. ENGELJOHN: Thank you. This is
5 Engeljohn, and I would just respond by saying that
6 you should expect shortly information related to how
7 the Agency specifically is, in fact, going to be
8 working with CDC and ARS in terms of partnering and
9 using the *Salmonella* isolates in a more defined and
10 constructive way to address public health as well as
11 animal health, and this would specifically tie into
12 this line that I had on the use of *Salmonella* subtype
13 information and serotype information to close the
14 attribution gap. And the Agency, FSIS does have some
15 very specific activities that are occurring right now
16 with CDC. We will have a pilot project that we're
17 intending and have actually begun constructing in
18 terms of how we're going to use the *Salmonella*
19 isolate PFGE patterns and look for associations in
20 public health and that will begin, if it hasn't
21 already, it will begin before the end of this month.
22 And so there is some very specified and detailed

1 activity that we will make known to the public as to
2 how we're better working with the CDC data to close
3 the attribution gap.

4 MS. BUCK: I appreciate that very, very
5 much and I would also represent to FSIS that they
6 actively pursue the very science-based agenda that
7 they've set for themselves, that they look at their
8 hired to make sure that they have adequate resources
9 in science personnel. Thank you.

10 MR. TYNAN: Thank you, Ms. Buck. Operator,
11 one last question.

12 OPERATOR: There are no questions at this
13 time, sir.

14 MR. TYNAN: Okay. Thank you very much.
15 Ms. Kowalcyk.

16 MS. KOWALCYK: Barbara Kowalcyk, CFI. I
17 had a couple of quick comments. First of all, I
18 would like to just say that on the surface, this
19 sounds very good, you know, the random sampling,
20 serotyping and increased contributions to PulseNet.
21 But, of course, it's always the details that really
22 matter, and I'll be looking forward to seeing those.

1 Just a couple of comments though as you
2 flush out those details in the next couple of days,
3 I've seen the NACMPI agenda and I've reviewed -- I've
4 read all the issue papers, and I think that's a very
5 ambitious agenda for a day and a half meeting, and I
6 hope that the Agency in response to its sense of
7 urgency, to deal with *Salmonella* and improve public
8 health, doesn't unintentionally do more harm than
9 good by rushing the process. So I hope that, you
10 know, anyone of those issue papers that have been
11 presented to the NACMPI committee could easily be the
12 focus of a week-long meeting, and I just encourage
13 the Agency not to rush in developing them and really
14 consider all the aspects.

15 One thing on industry data that know, I am
16 not entirely against the use of industry data as FSIS
17 has proposed, except for the fact that the current
18 system and a passive system, needs to be proactive in
19 that the data is available for the Agency to go seek.
20 With the lack of human resources, particularly in
21 sections or resource that the Agency has, I wonder
22 how often inspection personnel will be able to go

1 actively seek that data. It needs to be a proactive
2 system where industry is required to proactively
3 provide the information to the Agency and it needs to
4 be mandatory, not voluntary for reasons that Felicia
5 brought up earlier.

6 Then the one last thing that I wanted to
7 comment on was again, I feel like a broken record,
8 the Agency really needs to be careful about using
9 data from one population to draw inferences about an
10 entirely different population, and this gets to
11 something Dr. Raymond said earlier. In terms of
12 HIMP, the HIMP plants voluntarily select themselves
13 to be in the program. While the Agency didn't cherry
14 pick those plants, they in essence cherry picked
15 themselves. It's well known among statisticians and
16 data analysts that self-selection bias is a real
17 concern. You have in essence, I mean I heard several
18 people here today say, well, our plant is doing all
19 this to improve public health, and I truly believe
20 this, but this room is not necessarily representative
21 of the entire population. The people that are here
22 self-selected themselves because they believe that

1 this is a very important issue, and they are
2 committed enough to spend time and money to come
3 here. So the problem is, that you just need to be
4 very careful. I guess my point is to be very careful
5 and do not take the data that you get from one sub-
6 population and try and draw inferences about the
7 entire population. This is a point I've raised many
8 times before, and I just feel the real need to raise
9 it again.

10 DR. ENGELJOHN: Thank you. This is
11 Engeljohn. There are two issues I just want to
12 address. One is, and again it's to be discussed in
13 the Advisory Committee meeting over the course of the
14 next day and how we use industry data. But in terms
15 of the *Salmonella* initiative project that I
16 identified as well as the modification to the HIMP
17 plant, those will be conditions of performance. They
18 have to actually provide them, and we will be looking
19 at e-electronic, e-authorization and other ways by
20 which the data automatically comes, if not from the
21 plant itself, from the laboratory if that's a
22 possibility.

1 So we're looking at ways to -- if we're
2 gong to make decisions about changing inspection
3 activity, we do have issues about how we need to
4 verify and ensure that on an ongoing basis, and
5 industry collects far more data that, in fact, could
6 be used in a better manner by the Agency, and that
7 won't be a passive one. It will be some means by
8 which it's either required or it's conditioned.

9 And the rulemaking processing is not going
10 to be one in the future where they're volunteers.
11 We're moving towards rulemaking for which many of
12 these criteria will become regulatory. So it's a
13 function of how we intend to go forward with the
14 rulemaking process.

15 MS. KOWALCYK: Dan, just to follow up on
16 that. This is Barbara Kowalcyk, CFI, and this is
17 something that I have said to you in the past but to
18 go on public record, I would like to repeat it. I
19 need to make sure that the Agency understands that by
20 using industry data, you will not necessarily save
21 resources. You will need a different type of
22 resource. It will require being able to go out and

1 audit the plants and make sure that they are actually
2 providing all the information that they can and also
3 the Agency needs to be able to take some sort of
4 action if it is found that an establishment is
5 withholding or cherry picking their data that they
6 are providing to the Agency. And that is a crucial
7 part of making this work.

8 MR. TYNAN: Tomorrow, I hope you'll join us
9 for the Advisory Committee meeting because I think
10 some of those issues that you're raising will
11 probably be good in the breakout sessions that we'll
12 have that are associated with that.

13 MS. KOWALCYK: Unfortunately I will not. I
14 have to be at home. My husband will be here instead.

15 MR. TYNAN: Ah-hah. Okay. We'll make sure
16 that Mike passes the word along. Dane.

17 DR. BERNARD: Dane Bernard. I did leave my
18 cherry picker back in Pennsylvania. So no worries.
19 I was curious as to whether the Agency or Felicia had
20 come up with a way that we can actually select birds
21 with *Salmonella* versus not. I thought that's what we
22 were here for but I do have a serious question.

1 The Agency has been collecting serological
2 data on isolates now for sometime, and I understand,
3 Dan, from your remarks, that the Agency intends to
4 continue to do that and to use that to try to fill in
5 some gaps on attribution and I think that's a
6 wonderful use for the data. But does the data that
7 you have so far index any other way that you may want
8 to use that data?

9 DR. ENGELJOHN: To answer the question,
10 this is Engeljohn, in terms of the data that we have
11 and how we use it, I would say the serological data
12 that we have now, and we've begun the process of
13 posting serotype information on a regular basis, but
14 we've never published anything related to subtype nor
15 have we had an ongoing routine means by which we have
16 used our isolate data to look at associations with
17 public health, except in an as need to know basis.
18 If CDC identified a human illness and is looking for
19 whether or not we have information that may be
20 associated, then we go look for that. So it was one
21 for which we reacted as opposed to actually using
22 that subtype information in a constructive way to

1 actually be looking for human illness. So we've
2 never used the data in the manner for which we're
3 intending to use it in the short term, beginning
4 later this month.

5 DR. BERNARD: Thanks.

6 MR. TYNAN: Before you ask a question, I
7 think we just have a few minutes to clarify things
8 for Dane, and I think we've gotten into probably the
9 general comment period at this particular point.

10 DR. YANCY: This is actually a specific
11 question for Dr. Engeljohn.

12 MR. TYNAN: I should have known. That's
13 why I stepped into the --

14 DR. YANCY: Especially when it's me.

15 MR. TYNAN: That's why I stepped into the
16 ibis at the wrong time. Please.

17 DR. YANCY: Al Yancy. I'm a veterinarian
18 with U.S. Poultry and Egg Association.

19 Dr. Engeljohn, on the third slide of your
20 presentation, you mentioned enhanced offline
21 verification activity. Not to assume but to ask for
22 some further clarity, should we expect that to mean

1 that we may see in the proposed rulemaking in spring
2 of '08 a performance standard for offline reprocess.

3 DR. ENGELJOHN: You should expect in the
4 rulemaking that we're developing for which we already
5 have one, one docket out there on line reprocessing
6 -- your question was on line reprocessing.

7 DR. YANCY: Offline.

8 DR. ENGELJOHN: Okay. I'm sorry. The
9 verification activity in terms of enhancements there
10 would be focused in great part much like we do now
11 with the offline verification activity and what
12 activities do we know may have some impact on public
13 health in terms of the *Salmonella* or *Campylobacter*
14 performance in that plant. So our goal would be to
15 be able to identify those tasks and procedures
16 performed and how they're performed as to whether or
17 not they have any predictive value in terms of
18 performance by that plant. And then criteria would
19 be established for that. It's much in the line of
20 what we presented on RBI for processing where one
21 level of plant may get reduced level of verification
22 activity whereas another one may get increased focus

1 on verification activity. This would be this same
2 construct but it would be based on actual data that
3 demonstrated there was some relatedness. And so that
4 would be the point, and there would be an opportunity
5 to comment on that. Much of all that information
6 will be made available as part of the risk assessment
7 public meeting we intend to have shortly.

8 DR. YANCY: But as a follow up to that, I
9 guess to be even more specific, are we -- I know
10 we're not speaking specifically or entirely -- let me
11 back up and say entirely about microbial data but
12 that is not ruled out in this arena. In fact,
13 microbial data may very well be part of that
14 decision-making as far as verification. Correct or
15 not correct?

16 DR. ENGELJOHN: Perhaps could you give me
17 some context, microbial data?

18 DR. YANCY: *E. coli*, such as CFUs, you
19 know, product sample wash for *E. coli*.

20 DR. ENGELJOHN: Absolutely. The microbial
21 data in addition to verification observations of
22 procedures performed as well as records reviewed but,

1 yes, microbial data would be a component of that.

2 DR. YANCY: And if you would indulge me for
3 one second, just one final question, and this is
4 either for Dr. Raymond, Dr. Goldman or Dr. Engeljohn.
5 At the meeting in February of '06, my recollection
6 was that held out as either a carrot or a stick,
7 depending on how long you wanted to view it, the
8 posting of Category 1, 2 and 3 data would be a
9 reality with which our industry would be faced,
10 unless our industry made significant improvements in
11 the performance as we approached meeting or not
12 meeting the performance standard, and that was, if my
13 recollection serves ballpark roughly 90 percent of
14 the establishments would be in Category 1 by July of
15 this year.

16 Now I remember in several of the public
17 meetings in April, all four of which I attended, it
18 was mentioned on more than one occasion that that
19 number would still be roughly 90 percent of the
20 plants in Category 1, but it would now move to 2010.

21 So with that thought process in mind, and
22 not detracting from the need for adequate *Salmonella*

1 control, which I absolutely agree we must have as an
2 industry, taking in mind the significant financial
3 effect that post-data numbers such as a Category 1, 2
4 or 3 on a website could have, simply based on
5 Dr. Raymond's statement a few moments ago, that we
6 would much rather take product into this country or
7 imported into this country product from a country
8 that had 5 percent *Salmonella* versus 10.

9 My question is what is the Agency's current
10 thought process as why this is now necessary
11 especially in light of the fact that the industry is
12 performing so much better a year and a half later?

13 DR. ENGELJOHN: I would just answer
14 shortly, just to make a response. The Agency will
15 publish this all through Federal Register documents,
16 the rationale and all should be there. I'm just
17 giving you an indication right now of where our
18 current thinking is. But the issue really becomes
19 one of just how serious we at the Agency are
20 considering where we are now with human health and
21 relatedness to the products we regulate. Quite
22 frankly, the issues with regard to *Salmonella* are a

1 very great disappointment to the Agency with regards
2 to, even though we've had changes in the performance
3 within the industry, whether or not there are public
4 health changes or not, that's another issue, and part
5 of this is how we do attribution.

6 But in terms of maintaining an assurance
7 that performance goes forward, my simple answer is we
8 see this as the alternative that we have right now to
9 make things work and to keep them working. Our 2010
10 goal with regards to *Salmonella* performance is one
11 for which the Agency has established its public
12 health goals for *Salmonella*, *E. coli* and *Listeria*,
13 *Listeria* 1 being set for 2005, which we did not meet,
14 but O157 in *Salmonella* being for 2001, and the
15 effectiveness of the Agency's programs are based on
16 the 2010 health people goals. We've identified that
17 in order to meet the healthy people 2010 goals, we
18 have to make dramatic changes industrywide for all
19 the species we regulate now in order to even get
20 there, and we're not willing to wait until the last
21 minute to do so. So we have stepped up where we're
22 pushing the industry as a matter of public health

1 need to make changes in terms of protections,
2 particularly for *Salmonella*, but *Campylobacter* is
3 close to being one for which we care about as well.

4 DR. YANCY: Thank you.

5 MR. TYNAN: Felicia?

6 MS. NESTOR: Felicia Nestor, Food and Water
7 Watch. I just want to point out that I'm glad we're
8 seeing some HIMP analysis finally. As far as I know,
9 there have been no Agency reports since possibly 2000
10 except for at NACMPI meetings, and at the March 20,
11 2000, the transcript says that the Agency will
12 continue to provide HIMP data as it becomes available
13 because it was an experimental program and consumers
14 were eating the product.

15 Regarding the hog slaughter protocol, one
16 thing that -- I was going to put this out later, but
17 since people are interested, it should be pointed out
18 that my understanding from talking to people in these
19 plants and also from reading the protocol, is that
20 the hog carcasses are marked at the beginning of the
21 line. The carcasses that the Agency will use for its
22 sampling, are marked at the beginning of the line.

1 So as the carcass goes down the line, all the
2 employees that are working on the carcasses know
3 which ones are going to be looked at by FSIS. So I
4 would think you may want to look at that because if
5 that doesn't change when we do start talking about
6 hog slaughter, obviously we'll point out that that's
7 not really a random sample.

8 Let's see. With respect to -- I really
9 hope that you will again provide us with the data in
10 advance of this meeting. We really need to know what
11 you're looking at and what we're getting. My guess
12 is that you're probably going to be giving us the
13 categories Food Safety 1 and 2, and also the OCP
14 categories. I think there's important information
15 that consumers won't get through that. As I said,
16 we're waiting for our HIMP FOIA to be returned to us,
17 but I haven't gotten three plants and the plant for
18 which I do not have the *Salmonella* data for some
19 reason, I found the NRs extremely interesting. I
20 mean I've been looking at NRs for many, many years,
21 and I can't remember really how many DOA, you know,
22 cadaver NRs I've seen but from this HIMP plant, we

1 only have the data for a half a year, but there were
2 quite a few DOAs going down the line that the carcass
3 inspector was able to see, and I don't even know what
4 the line speeds are there, but they're higher than
5 the traditional plant obviously. So this plant had
6 DOAs. Dr. Raymond was saying that we've seen that
7 HIMP shows that the industry can do its own quality
8 control and there's an industry representative saying
9 that, you know, the extensive training that the
10 sorters are getting. Well, I don't know what the
11 problem is, but there were DOAs in this plant on June
12 3rd, 15th, 16th, 17th, 20th and 24th. Then on July
13 6th, 8th, 9th, 12th and 13th, and the corrective
14 action that was given in each case was that the plant
15 instructed employees in the live hang area to
16 properly identify and remove DOAs from the line and
17 place in appropriate containers. What consumers were
18 told at the beginning of HIMP was that plants that
19 couldn't meet the standards would be kicked out of
20 the program. Under HACCP, if you have repetitive
21 deficiencies, if the corrective action is not
22 effective, FSIS will step in and take regulatory

1 action to make sure that the corrective action is
2 effective. So I just recounted the DOAs from June
3 3rd to July 13th. On July 14th, there was another
4 DOA. Actually there were three of them, and the
5 plant came up with a new corrective action which said
6 that it instructed employees involved in the process
7 to sort out potential birds that could be in this
8 category in live hang and other points in the process
9 to help reduce and eliminate future occurrences.

10 MR. TYNAN: Excuse me. Can I interrupt a
11 second? Can you sort of summarize and wrap it up
12 because we have --

13 MS. NESTOR: Sure.

14 MR. TYNAN: -- other people that --

15 MS. NESTOR: Sure. To my reading of these
16 two different corrective actions, it's not really a
17 change in corrective action. I thought what FSIS was
18 going to do is ascertain whether the new corrective
19 action that the plant is going to be proposing is
20 effective.

21 All right. To summarize, let me just say
22 that in the 6-month period, we have 47 days on which

1 DOAs were found and on many days, there were multiple
2 DOAs found at different times during that period.

3 So my last point is this. During this six
4 month period, there are also periods of time where
5 there's very little NR activity. When you present us
6 with the data from these HIMP plants, I think you
7 should tell us when it looks like the NRs or any
8 other indication suggests that the inspectors do not
9 have the time to write NRs because they're short
10 staffed in the HIMP plants. And the people that are
11 supposed to be writing the NRs are actually being
12 pulled to the line. Thank you.

13 MR. TYNAN: Okay. Thank you, Felicia.

14 Dr. Henry.

15 DR. HENRY: Thank you. Craig Henry with
16 Grocery Manufacturers/Food Products Association.

17 First I would like to bring attention back
18 to the number one objective that I think FSIS has so
19 appropriately focused this meeting on, as well as
20 prior meetings, and that is for the improvement and
21 enhancement of food safety as focused on foodborne
22 illness. The meeting today I think was an excellent

1 preview at least for the NACMPI and certainly for
2 those of us who understand the science and are trying
3 to capture that.

4 Certainly the first part of the meeting,
5 reviewing HIMP, gives us a very good background to
6 see what HIMP has accomplished and possibly what it
7 hasn't accomplished. I think that the HIMP program
8 is an excellent example of what FSIS, and more
9 specifically, industry needs to move forward with
10 relative to testing of a program. It was a test put
11 forward. I've been in the industry now 28 years, and
12 more than 3/4 of that have been dealt with direct
13 industry operation and plant operation. There's a
14 lot of programs that have come and gone in that
15 period of time. And certainly I would say today, we
16 have seen a huge improvement in the overall quality
17 and microbial load at the slaughter level as well as
18 improved products coming out from the process as
19 well.

20 I think that what Barbara and Felicia bring
21 to bear on an ongoing basis exemplifies the fact that
22 the testing of programs need be real world. I think

1 that the continued criticism of any program, any data
2 collection system that we have will continue, will
3 remain because no program is flawless. And certainly
4 looking as we go forward with either this enhancement
5 of rulemaking to the slaughter program or with risk-
6 based inspection, as would be applied to processing,
7 both of those need to focus on one of the issues that
8 Dan and David Goldman have brought up which is the
9 attribution data.

10 We're going to look at collecting a lot of
11 data. We can collect birds. We can collect samples.
12 We can do everything we want to do but we need to
13 make sure we understand what those results are
14 telling us and whether they do or do not correlate
15 with the end result which is certainly the outcome of
16 foodborne illness as exemplified by CDC.

17 I think that the opportunity now results to
18 or will require some allocation of resources at the
19 state level, which we haven't brought to bear here
20 yet today. It was brought up at a meeting earlier
21 this year about the deficit of staffing that exists
22 at the state level in order to bring attribution data

1 more online and more frequent. So I'm not sure if
2 any of the members of the panel right now would like
3 to speak to that, but I would certainly be interested
4 to hear what we're going to do in conjunction with
5 CDC and with the state affiliates, to try to capture
6 the appropriate data for attribution. Thank you.

7 DR. ENGELJOHN: If I could just address the
8 one issue that was just brought up with regards to
9 state. We recognize that the public health
10 particularly in the United States can't be fully
11 addressed with regard to attribution if we're not
12 looking at state inspector product. It's an
13 important aspect. We do have roughly 28 states or so
14 that have their own inspection systems that do do
15 some level of testing, if they slaughter operations,
16 in particular broiler operations. The Agency is
17 further refining how we go forward with judging equal
18 to status for those states. And I would just --
19 because it's new information, it's one for which we,
20 the Agency are committed to, is that for the -- as we
21 are in the federal system now going to be taking
22 those *Salmonella* positive isolates or any other

1 pathogen that we have in terms of isolates, and
2 looking for relatedness in the CDC database. We are
3 going to take the state's isolates now and ensure
4 that we have PFGE patterns, multidrug resistant
5 patterns and other virulence markers and upload those
6 and look at them in the CDC database as well, so that
7 we do, in fact, have a more united system which we've
8 never done before, but we have just as recently as
9 last week, made the decision that that is something
10 we think will dramatically also help to close this
11 attribution gap, one way we need to focus on that.
12 We have the resources to help, and we will do that.
13 So I think that we have means by which we can work
14 with the states and their programs as well. And
15 that's in the states that have the programs and the
16 states that don't, then other activities we'll be
17 pursuing in terms of what we need to be looking at in
18 states that aren't even in FoodNet or otherwise
19 connected with some means for which we have real good
20 data.

21 MR. LANGE: It was last week that
22 David states that we would take any other isolates,

1 that we would run a PFGE analysis in our labs, we
2 would see that those isolates are serotyped and we
3 would see that they got entered into the database.
4 If there's anyone from a FSIS lab listening, I
5 apologize. I haven't told our people about that
6 decision. I will soon.

7 MR. TYNAN: So we should keep it a secret?

8 UNIDENTIFIED SPEAKER: It's a secret.

9 MR. TYNAN: All right. Thank you.

10 Mr. Corbo.

11 MR. CORBO: Tony Corbo with Food and Water
12 Watch. First before I get to my point, Felicia has
13 asked me to volunteer to any of the NACMPI members,
14 if they want access to the *Salmonella* data she has,
15 she's willing to share that information with them.

16 The point I wanted to make is that I'd like
17 to share some polling data that my organization
18 contracted to get, the public's perception of
19 government inspection. In March 2007, we contracted
20 with Lake Research, a nationally known public opinion
21 research firm, to poll 1,000 consumers to ask them a
22 series of questions on food safety, food policy, but

1 we had two questions in particular on food
2 inspection. We asked consumers whether they wanted
3 the Government to retain full control over meat and
4 poultry inspection or whether since processing had
5 gotten so sophisticated, that more of the inspection
6 activities be turned over to industry with the
7 Government playing a role of verifying that data.
8 Eighty-one percent of the consumers who responded
9 said they wanted the Government to retain full
10 control over inspection.

11 We also asked consumers the question what
12 emphasis should be placed on food safety versus
13 wholesomeness issues in meat and poultry inspection.
14 Sixty-four percent of the consumers who responded
15 said that food safety and wholesomeness issues should
16 be treated equally. Twenty-two percent said that
17 food safety should take a dominant role of inspection
18 activities with wholesomeness issues taking a
19 secondary role.

20 So in the context of the work that you're
21 doing now, I think you have to keep that in mind
22 because that's what you're going to be up against.

1 MR. TYNAN: Okay. Thank you, Tony.
2 Ms. Kowalczyk, could I impose on you just to hold for
3 one second. Let me see if I can take a couple of
4 questions from the callers. We have maybe another 5,
5 10 minutes for the meeting, and then I'm going to
6 have Mr. Almanza come back up for some closing
7 remarks.

8 Operator, do you have any comments from the
9 people on the phone?

10 OPERATOR: No, sir, not at this time.

11 MR. TYNAN: Okay. Thank you.

12 Ms. Kowalczyk.

13 MS. KOWALCYK: Barbara Kowalczyk, CFI. I
14 just wanted to follow up on something that was said
15 earlier. As a statistician, I'm well aware that no
16 data is ever perfect, but FSIS has repeatedly said
17 that they would like to move to a science-based and
18 data driven system, and part of the reason that I
19 come to these meetings and make the kinds of comments
20 that I do, is that I truly want FSIS to become
21 science-based and data driven, and I think that the
22 way that the Agency collects the data and analyzes in

1 the past has not been as good as it can be. And my
2 hope is to push the Agency in that direction.

3 I also wanted to clarify that in terms of
4 reducing line speeds and modifications that industry
5 has petitioned the Agency to do, I think you need to
6 really -- it comes back to me for one big point.
7 HACCP is based on statistical quality control, and
8 once the industry achieves consistent process
9 control, the performance standards must be readjusted
10 to reflect the new norm, not just once every 10 years
11 but on a continual basis, and I am happy that the new
12 baselines are being undertaken but it has been at
13 least 10 years since that happened.

14 If the industry can then demonstrate that
15 process changes, such as increasing line speeds, will
16 not impact their ability to maintain process control
17 and meet the adjust performance standard, then it is
18 appropriate -- it may be appropriate to consider such
19 changes. I'm not against letting industry do this.
20 I just think you need to understand that you need to
21 keep going with the performance standards,
22 readjusting them on a continual basis, and that

1 simultaneously industry must use scientific studies
2 to demonstrate that these proposed changes, they are
3 petitioning the Agency to implement, will not affect
4 their ability to meet those adjusted standards.

5 Thank you.

6 MR. TYNAN: Thank you, Ms. Kowalczyk. I'm
7 sorry you won't be able to attend tomorrow because I
8 think Dr. Maczka and her staff are starting to move
9 in the direction that you're hoping we would go. So
10 I think we're all on the same page in that regard.

11 Yes, sir. If you'd introduce yourself and
12 your affiliation.

13 MR. COBERLY: Yes, Craig Coberly (ph.) with
14 George's. I just have two comments.

15 One on the comment about the rush, for the
16 Agency rushing. From our perspective, since we've
17 been in HIMP for nine years, I don't think that's
18 rushed, and I think the Agency has taken a very
19 cautious approach to this. And it's been from
20 industry's perspective, I think we also have to
21 remember that consumer advocates -- our customers are
22 consumers, and we have a common goal here, to reduce

1 pathogens and to make food safe. So that's all I
2 wanted to say, and thank you.

3 MR. TYNAN: Okay. Thank you, sir. Any
4 other questions from the audience?

5 DR. ENGELJOHN: Robert, this is Engeljohn.
6 I -- just by the last comment that was made and the
7 earlier one, I recognize I didn't answer a question
8 that was raised earlier that I could. I think Nancy
9 Donley on the phone asked a question about our HIMP
10 in the original design being one for which it would
11 at least be no worse than the other traditional
12 systems of inspection.

13 And I would say that we are not going
14 forward with anything, particularly related in the
15 poultry slaughter rulemaking that we have, that
16 doesn't show some significant enhancement over the
17 current systems. We'll have to define what that
18 means, but there will be improvements over. That
19 will be one of the criteria that we will be
20 reviewing. Moving forward, I think clearly we will
21 need to define how we will measure that, but it's not
22 going to be no worse than it's going to have to

1 demonstrate that it's better than the current system.

2 MR. TYNAN: Operator, if you have anyone on
3 the phone that has a last question, we're going to
4 allow you to have the last word.

5 OPERATOR: If anyone has a question, please
6 press star 1.

7 (No response.)

8 OPERATOR: There are no questions at this
9 time.

10 MR. TYNAN: Okay. Thank you, Operator.

11 I'm going to close out the question portion
12 of the meeting, and I'm going to invite Mr. Almanza
13 to come back up for a couple of closing remarks. And
14 you notice the presenters are getting off the stage
15 as quickly as they can.

16 (Laughter.)

17 OPERATOR: I do have one question. Would
18 you like to take it?

19 MR. TYNAN: We're going to ask Mr. Almanza
20 to come up anyway and, yes, we will take that
21 question.

22 OPERATOR: Okay. Nancy Donley, your line

1 is now open.

2 MS. DONLEY: Hi. Again, I just wanted to
3 clarify something that you had said. I didn't say
4 that it couldn't be any worse than. I said the only
5 way that HIMP would be deemed a success in our
6 viewpoint would be if it was significantly better
7 than the traditional inspection.

8 MR. TYNAN: Okay. Thank you, Ms. Donley.
9 Dr. Raymond is pointing out that we do agree with
10 that comment. And with that again, I'm going to turn
11 it over to Mr. Almanza.

12 MR. ALMANZA: Well, this was certainly
13 interesting for my first public meeting. I want to
14 thank Dr. Raymond for his comments, Dr. Maczka as
15 well, Dr. Goldman for his comments and pitch hitting
16 and doing a great job at that, and Loren, and also
17 Dr. Engeljohn, you all did a great job.

18 My closing comment, yes, I know we're not
19 perfect. I know that we can always strive to do
20 better. Could we have done things differently?
21 Certainly. Will we do things differently? We're
22 going to try. And I think that this is what this

1 meeting is supposed to be about. Everybody states
2 their opinions and we use the information that we
3 have and move forward. I think that this is the
4 process, and so I certainly didn't come in here
5 thinking everybody was going to agree with everything
6 that was presented, nor do I think that everybody is
7 going to agree at the end of the day, but that's the
8 process.

9 All the comments will be evaluated and the
10 resources that will be available again will be the
11 FSIS website and the constituent's update.

12 And with that, I appreciate everybody's
13 comments and certainly welcome some more over the
14 next couple of days. Thank you.

15 MR. TYNAN: Before everybody goes, could I
16 mention that tomorrow's Advisory Committee meeting
17 will be in this building. It'll be in Room 329,
18 upstairs, in a larger room. So we'll see you
19 tomorrow.

20 (Whereupon, at 1:00 p.m., the meeting was
21 concluded.)

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C E R T I F I C A T E

This is to certify that the attached proceedings
in the matter of:

PUBLIC HEALTH BASED
INSPECTION IN SLAUGHTER TO ADDRESS

CAMPYLOBACTER, SALMONELLA

AND

OTHER PUBLIC HEALTH CONCERNS

Arlington, Virginia

August 7, 2007

were held as herein appears, and that this is the
original transcription thereof for the files of the
United States Department of Agriculture, Food Safety
and Inspection Service.

DOMINICO QUATTROCIOCCHI, Reporter

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