

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

ANIMAL FEED SAFETY SYSTEM PUBLIC MEETING

CROWNE PLAZA HOTEL

655 NORTH 108TH AVENUE

OMAHA, NEBRASKA

APRIL 5 AND 6, 2005

DOCKET NO. 2003N-0312

Transcribed from Audiocassette

I N D E X

	PAGE
1	
2	
3	
4	5
5	
6	
7	11
8	
9	19
10	
11	34
12	
13	
14	44
15	
16	
17	73
18	
19	
20	82
21	
22	
23	98
24	
25	

INDEX CONTINUED

	PAGE
1	
2	
3	Regulatory Oversight 108
	by Steve Traylor, Ph.D.
4	Division of Regulatory Services
	University of Kentucky
5	(11:05 a.m. - 11:20 a.m.)
6	Breakout Group 116
	Explanation and Instructions
7	by Gloria Dunnavan
	Director, Division of Compliance
8	Center for Veterinary Medicine
	(11:20 a.m. - 11:40 a.m.)
9	
	APRIL 6, 2005
10	
	Robert Wilson, Moderator 123
11	Kansas City District Office
	Food & Drug Administration
12	(8:00 a.m. - 8:05 a.m.)
13	Bruce Arentson, Kent Feeds 125
	Group A
14	
	Sara Blodgett, Farmers Coop 137
15	Group 1B
16	Michael Davidson, Republic of 140
	California Department of Food
17	and Agriculture
	Group 2B
18	
	Amy Wesley, Murphy-Brown, L.L.C. 146
19	Group 2A
20	Blaine Hull 155
	Group 3A
21	
	Randy Sample, ADM Alliance Nutrition. . . . 166
22	and Animal Health Nutrition
	Group 3B
23	
	Judy Thompson, Canadian Food 183
24	Inspection Agency
	Group 5A
25	

INDEX CONTINUED

	PAGE
1	
2	
3	Charles Breen. 190
	Seattle Regional Director, FDA
4	Group 5B
5	Dan Danielson. 199
	Tennessee Department of Agriculture
6	Group 4B
7	Marlene Petersen, Milk Specialties 209
	Group 4A
8	
	Randy Gordon 222
9	National Grain and Feed Association
	Group 6A
10	
	Liz Wagstrom, National Pork Board. 231
11	Group 6A
12	Bill Grande. 249
	Group 6B
13	
	Open Discussion. 270
14	Moderated by Gloria Dunnavan
	(11:45 a.m. - 12:15 p.m.)
15	
	Closing Remarks by George Graber 284
16	(12:15 p.m. - 12:20 p.m.)

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23
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1 APRIL 5, 2005

2 INTRODUCTION BY GEORGE GRABER, Ph.D.

3 DR. GRABER: I think we're gonna
4 -- we're gonna start. We've got a tight
5 schedule, and there'll be some time for
6 visiting a little later this morning, and then
7 this afternoon, you'll have plenty of time to
8 talk to each other.

9 My name is George Graber, and I'm the
10 Deputy Director of the Office of Surveillance &
11 Compliance in the Center for Veterinary
12 Medicine, FDA. What I want to do for the next
13 few minutes is just run over some logistics,
14 some administrative issues, and then Dan
15 McChesney will give the introductory -- or the
16 welcoming remarks.

17 First, and probably foremost, for
18 those of you who have cell phones with you,
19 could you please turn off the ringer? It would
20 be much appreciated.

21 Second of all, you should have --
22 Each of you should have your, your packets,
23 your infor -- you know, the red, red folder,
24 and what I want to do is just go through some
25 of the items that are in that folder.

1 Next -- Okay. There's -- In the
2 folder, you should have a CVM update, that came
3 out in February, announcing this meeting.
4 There are also copies of the Federal Register
5 notices of March 31st of last year and February
6 7th of this year. The notice of March 31st of
7 2004 gave you the docket number and also
8 identified the, the definitions for risk-based
9 and comprehensive that we have added to the
10 docket -- the FDA docket, and also, provided
11 the basic elements of a process-control system.
12 So these were put out for public display. They
13 were draft comments -- or draft documents for,
14 for you to consider.

15 You'll also find, in the packets,
16 some information dealing with risk. Some of
17 the slides that'll be used today are included
18 in the packet because they had not been
19 released previously.

20 There is also the, the framework
21 document, which we -- most of what we're gonna
22 be talking about this morning, this draft
23 document that's, I think, eight -- seven or
24 eight pages.

25 There is also -- This afternoon,

1 everyone, with a few exceptions, will be
2 assigned to different breakout groups, and, and
3 you see that on your badge, what your breakout
4 group number is. Within your packet, there's a
5 listing of the breakout groups and the -- and
6 the diagram in the hotel for where these
7 breakout groups will be.

8 You'll be meeting at lunch, and lunch
9 will be served in the Regency Room, which is
10 around -- somewhere towards the back of the
11 hotel, and the breakout groups will be -- will
12 be eating together, so there'll be cards on
13 the -- on the placard -- on the tables
14 indicating what your breakout -- where your
15 breakout group will be having lunch.

16 There's also a list of, of
17 registrants for the meeting, at least as of the
18 end of last month. If everyone had showed up,
19 we would have had somewhere around 210 people
20 here registered. We don't anticipate that, as,
21 in most cases, things come up, and we're not
22 anticipating everyone will be here, but looking
23 at the size of the room, it looks like we have
24 pretty close to a full house. There are some
25 seats right up here in the front row, believe

1 it or not. They got bird's-eye view of the --
2 of the slides, and --

3 There's also speaker bios, number --
4 The people who will speak, just about everyone
5 is, is a member of the Animal Feed Safety
6 System Team, and rather than go through and
7 introduce speakers, other than their name and
8 what they're gonna be talking about, if you
9 want to read anything about the backgrounds of
10 the people, that's -- it's in the -- it's in
11 your packet.

12 There's also comment cards and an
13 evaluation form, form to fill out at the end of
14 the -- at the end of the -- tomorrow, and the
15 comment cards, you can fill out comments and
16 questions and stuff. There are boxes in the
17 back of the room, on the table, to put both the
18 cards and the forms in.

19 (A cell phone rings.)

20 DR. GRABER: There's our first
21 cell phone. Okay. Where is the hook?

22 Okay. The -- There's also a sheet
23 identifying -- There's a reception this evening
24 from 6 to 7:30. It's in the Regency Room.
25 It's a cash bar, but there should be plenty of

1 food there.

2 And then the last item I've
3 identified is the meeting agenda, and like I
4 said, this morning there'll be presentations by
5 the members of the Animal Feed Safety System
6 Team covering the framework and then each of
7 the components that we've identified in the
8 framework and then, also, the discussions on
9 risk and, and also the risk-ranking method that
10 we're utilizing -- or considering to be
11 utilizing. And there will also be some
12 discussion about the definitions of risk-based
13 and also comprehensive.

14 There will be -- At the end of the
15 morning, there will be a time set aside --
16 there is a time set aside for introduction to
17 the breakout groups, so you'll get a lot more
18 background about what's gonna be expected of
19 you and how that's -- and how that's all gonna
20 occur.

21 And if time permits this morning,
22 between speakers, we will entertain a few
23 questions. There are people scattered
24 throughout the, the room here with mikes, so if
25 you raise your hand, at this time -- and if you

1 raise your hand, then we'll turn to you, and
2 you'll ask your question. Just identify
3 yourself, name and affiliation, and ask the
4 question. And I'm not guaranteeing we'll have
5 time, but if we do, we'll take -- we'll take a
6 question or two.

7 Like I said, this afternoon we're
8 gonna have breakout groups. You'll have a
9 series of questions that you're gonna be
10 working on. Again, lunch will be served. So
11 looking forward to, to hearing your reports,
12 which will be done tomorrow, tomorrow morning.
13 We'll have a full schedule tomorrow morning,
14 and then there'll -- at -- some time for some
15 open discussion before we close the meeting a
16 little after 12.

17 Okay. I think I've covered
18 everything I wanted to cover. I think -- One,
19 one thing I didn't mention, the, the names of
20 the facilitators are also in your packet. The
21 facilitator for 2B, the name needs to be
22 changed. The, the new person's name is Natalie
23 Vacanti, V-A-C-A-N-T-I. And, in fact, the
24 facilitators are here. Maybe they can stand
25 for a minute, you can recognize who they are.

1 They're the younger people, and in my case, the
2 much younger people. Okay. That's to get
3 everybody to come to the breakout rooms,
4 so anyhow . . .

5 Okay. The welcoming remarks will be
6 given by Dr. Dan McChesney, who is the director
7 of the Office of Surveillance & Compliance in
8 the Center for Veterinary Medicine. Dan?

9 WELCOME BY DANIEL McCHESNEY, Ph.D.

10 DR. McCHESNEY: Good morning.
11 Just start with the next slide. We know who I
12 am.

13 What we'd like to do this morning is
14 welcome you to Omaha. And many of you may ask
15 why Omaha, since we did this, oh, a year or so
16 ago, year and a half ago, and we did it in
17 Washington, D.C., and all the familiar faces
18 from Washington were there, all the trade
19 associations were there, but we decided, since
20 this Animal Feed Safety System is going to
21 focus, really, on the animal feed industry,
22 that it might actually be wise to come to
23 someplace in the country where the animal feed
24 industry is actually located. There is not
25 much of it in Washington, D.C., although there

1 is some rural parts, not much. So we're here
2 in Omaha with the idea of hoping to have
3 participation from producers in the feed
4 industry, and basically, looking at the
5 registrants, I think we have accomplished that.

6 The focus of the meeting, as George
7 already said, is really the framework document
8 that was developed at -- with the comments from
9 the first public meeting and then a method for
10 risk method discussion of how we might look at
11 risk. Next slide.

12 Reasons we're here. Well, animals
13 are -- We all know animals are important to our
14 society for two reasons: one, when they're
15 pets; and two, we eat 'em, which is an
16 interesting concept between both of those.
17 Food and feed are important to animal health.
18 I think we need a more uniform way of
19 addressing safety issues. In the past, we've
20 sort of done it on an ad hoc basis. When a
21 safety issue came up, we'd decide how we deal
22 with it, what -- how we proceed. We actually
23 need some way to look more uniformly at that,
24 have some things in place for what we're going
25 to do, what actions we're going to take. And I

1 think one, one example of where that's played
2 out is in the response on the -- for BSE in the
3 -- on the feed side of the house, but also on
4 the animal side of the house.

5 Between FDA and U.S. Department of
6 Agriculture, we have lots of plans laid out of
7 how to respond to -- when there's been a
8 notification of a BSE incident like we saw up
9 in the state of Washington or the Canadian
10 animals, how to attract the feed, how we talk
11 to each other. So that's a very well-laid-out
12 system, with very defined things of who we're
13 going to be contacting. We need to look at
14 doing that for the other, other types of
15 contaminants.

16 And we, first of all -- Most
17 importantly, we need to better utilize the
18 resources of both FDA, the states and the
19 involved industries. And up here -- This
20 picture on the top here is from a CVM picnic we
21 had last April, and just -- I think it's a
22 little microcosm of what we have here today.
23 All the people here are actually CVM employees,
24 and it's hard to see in the back, but they're
25 all sort of pointed in one direction. They're

1 all sort of looking ahead, and I think that's
2 what we have with the group here today. The
3 Animal Feed Safety people that are here, the
4 FDA folks and the state folks that were
5 involved all sort of have a vision of where the
6 Animal Feed Safety should go. It's not a
7 totally common vision, but they're all at least
8 looking in the same direction.

9 I think most of the rest of the
10 audience is sort of reflected by the dogs down
11 here, who are -- There's some looking in every
12 direction. I mean, this one is completely
13 turned around, obviously totally opposed to the
14 whole system, and there are just a bunch of
15 'em, all going individual directions, with all
16 different opinions, and then we have this
17 little black fella sitting out front here who
18 seems to be willing to listen to all sides, and
19 I think that's what we're looking for this
20 morning. I think most of the folks in the
21 audience have lots of opinions that we want to
22 gather, but you need to be willing to listen to
23 each other and not come, you know, with your
24 own position and just state it and keep stating
25 your position. So we ask you to be open to it,

1 sort of like this fella sitting here. And at
2 the end of the day, maybe we'll all sort of be
3 looking, you know, sort of forward, maybe even
4 if we're looking out the side of our eyes, but
5 at least we'll be looking forward. Next slide.

6 The next three slides just sort of go
7 to the fact of why do we need something and
8 what's happened over the years for
9 feed-contamination-type issues. And we're not
10 going to go through each of these, but the
11 important point is to just look at the
12 diversity of the things that we have up here.
13 So we have mercury. We have salmonella
14 bacteria. We have P -- PBBs, PCBs. Monensin
15 down here at 94 is an (inaudible). Monensin is
16 a drug -- an approved drug, and in this case,
17 it was used in the appropriate manner and
18 resulted in about 600 cattle being dead in the
19 Midwest here, and as it turned out, when we did
20 do an investigation, we found out that the
21 animals were being fed distillers' dried
22 grains, which turned out not to be the problem,
23 but mixed in with that was a fermentation
24 byproduct from the pharmaceutical industry,
25 which is not part of the definition of

1 "distillers' dried grains," and it turned out
2 to potentiate the uptake of monensin and killed
3 6 to 700 cows. So a preventable problem. Just
4 had to lead out -- leave out the pharmaceutical
5 byproduct, but still, where you can take an
6 improved product, use that approved dose and
7 have bad results. Next slide.

8 Salmonella and pet treats coming in.
9 We have a real concern about salmonella in pet
10 products because they come into the home,
11 they're direct to consumer. So that's one.

12 We all know fumonisin, the horse
13 deaths. Those of us in FDA and usually in
14 Kentucky, we make a big point of this every
15 three or four years 'cause we kill 30 or 40
16 horses. You don't feed 'em grain -- You don't
17 feed 'em corn screenings because of the
18 potential for fumonisin. Everybody learns from
19 that, and then three years later we kill a
20 bunch more horses in the same -- in the same
21 state or adjacent states because they're back
22 to feeding corn screening. So we just need to
23 kind of keep things in perspective.

24 BSE, we all know about that. I think
25 we've addressed that fairly well. Next slide.

1 Dioxins, surely a problem that we've
2 known about. One of my most -- One of the most
3 favorite quotes I've heard in this came from
4 someone who is not actually in the room but was
5 not a state or federal person, nor a producer,
6 and when I mentioned that dioxin was a problem,
7 'cause we had a problem with boil clay trace
8 minerals and baghouse dust, the comment was,
9 Well, we've only had three -- we've only had
10 three problems with dioxin over the past 10 or
11 15 years, and I said, That's true, but each of
12 those problems were preventable if the company
13 had actually tested for 'em or not used the
14 product. So, you know, ignorance is not an
15 excuse for not doing something that's right and
16 safe, so we're trying -- We need to try to get
17 away from that. That's why we're looking at a
18 total system here.

19 More recently, several horses died in
20 Puerto Rico. Really never did figure out why
21 that happened, and even more recently,
22 didn't -- so recent it didn't make the slide,
23 several cows died in Hawaii for no real
24 apparent reason. We looked at all the feed and
25 everything else and really could not put a

1 handle on why it is. So there are surely
2 things out there that we do not know about.
3 Next slide.

4 And I think this is almost the last
5 slide. What we saw -- Those of you that
6 attended the first public meeting -- and
7 there's a number of you in this room --
8 Dr. Sundlof, our Center director, said at that
9 time, The feedback you provide is absolutely
10 critical to making this system work, and that's
11 true, and if we think back to, like, the, the
12 slide with the dogs and the people on it,
13 that's sort of the feedback we're looking for
14 today.

15 We need your active participation. I
16 know breakout groups can sort of be trying and
17 things like that, where you're actually forced
18 into a group and, you know, forced to interact
19 with people and provide your opinions as to put
20 -- sitting in a room with 200 other folks and
21 just sort of being an anonymous person here.
22 So we -- I really encourage you to actively
23 participate in this. We want your views. We
24 need your ideas. The people that are in the
25 groups with you surely can, you know, help you

1 draw those out. You can draw theirs out. We
2 need your feedback in order to develop --
3 further develop the Animal Feed Safety System,
4 and the only way we're gonna get that is if you
5 actively participate today. Sitting there is
6 not what we need. Next slide.

7 And finally, I'd like to thank you to
8 (sic) coming to this meeting, and I don't have
9 the agenda, so I don't know who I should
10 introduce next. George?

11 FRAMEWORK BY GEORGE GRABER, Ph.D.

12 DR. GRABER: In my haste to, to
13 introduce Dan, I missed the last slide. Some
14 important information on there, so -- Okay. As
15 I indicated, there'll be a facilitator for each
16 of the -- each of the breakout groups, and the
17 people facilitating are an organization here
18 in, in Omaha called planitOmaha, and those were
19 the people who stood up in the back of the
20 room.

21 One thing I did want to point out is,
22 is that we are taping this session this morning
23 and tomorrow morning's session, and that
24 information then will be transcribed and placed
25 on the docket for the -- the FDA docket for

1 this meeting, and in your packet, there's a
2 card that identi -- Inside the bottom -- Inside
3 your packet, there's a little -- one of the
4 business cards that has the docket number on
5 it. Should you wish to submit comments at the
6 docket, you could do that at any time. There's
7 no closing point -- no closing period, at this
8 -- at this particular stage, with regard to
9 that docket.

10 Now, one thing we will not be doing,
11 we will not be taping the programs -- the
12 breakout groups this afternoon, so there is --
13 there is no tape recorders in there, so people
14 are free to speak. Nobody is taking notes
15 other than yourself, other than the group in
16 terms of reporting back, so . . .

17 Okay. Let's move on to -- I'm gonna
18 go through the framework document a little bit
19 now. We'll be taking a break, I guess, around
20 9:50, and we'll have coffee and -- outside
21 there, so for those of you who need the
22 caffeine, if you can wait a little bit,
23 appreciate it.

24 Okay. Dan went into this a little
25 bit, why this public meeting, and one of the

1 things we had said at the meeting in Herndon,
2 Virginia, back in September of 2003, that we
3 wanted to make this as transparent a process as
4 possible, and that -- You know, that becomes
5 somewhat difficult for, for the federal system
6 to comply with that, but one of the reasons for
7 having this meeting, one of the reasons for
8 putting the draft documents up on the -- in the
9 docket were, in fact, to get -- solicit
10 comments.

11 And so we are presenting, in stages,
12 the work products that we have developed as a
13 group, and I'm a firm believer that while
14 this -- the work products that you have in your
15 packet and you're gonna hear about today may
16 represent close to the best product we can
17 develop, we don't think it's the best product
18 that will be eventually developed, because we
19 don't have everyone else's input at this point.
20 So that's -- It's fairly important for us to
21 get that input and ideas and concepts, so --

22 And one of the things -- One of the
23 reasons for coming out here, as Dan mentioned,
24 was to get -- to get a wider section of people
25 to come especially, and one of the things we

1 tried to do at -- by coming out here is, is --
2 We've always had good attendance from the feed
3 side. We were trying to get more producer
4 groups to this meeting, and we think we've
5 gotten a few to come to this meeting that, that
6 hadn't been at the meeting in Virginia,
7 so . . . And we also can -- You know, we want
8 to see continued stakeholder input. Again,
9 that's why the information about submitting
10 comments at a docket, because, you know, even
11 now, this thing isn't over when this program is
12 over. We're gonna continue to work on this.
13 Okay. Next slide.

14 Again, the objective of the Animal
15 Feed Safety System is to develop a
16 comprehensive risk-based system for feed
17 manufacturer distribution and use, with the
18 goal in mind of minimizing the risk to both
19 human and to animal health. It's a long-term
20 project. It's one that we started two years
21 ago, and right now, the, the work is supposed
22 to be completed in the year 2007 -- fiscal year
23 2007. A lot of that'll depend on what, what
24 products we eventually decide to work on, and
25 you've got some indication of that in your

1 packet.

2 The Animal Feed Safety System Team is
3 made up of 22 members. They're -- On the next
4 slide is the list of all the people. 20 of the
5 22 members are here at the meeting. You'll --
6 There's -- gonna be making presentations from
7 -- some are making presentations from here this
8 morning. They will also be in your breakout
9 groups, and they represent -- A lot of the
10 people are from the Center for Veterinary
11 Medicine. We have somebody from the Office of
12 the Commissioner, who is serving on the team,
13 and several people from our Office of
14 Regulatory Affairs representing the Kansas City
15 district and, and also San Francisco, and we
16 have several -- two state people on the -- on
17 the team representing Kentucky and, and
18 Wisconsin. Okay. Next slide.

19 Again, the idea is to develop a
20 comprehensive system that's -- that covers --
21 It's just -- It's not just regulations that it
22 covers. It ties together issues dealing with
23 policy, guidance, programs in general. One
24 thing I, I believe there, there seemed to be at
25 least a great deal of misunderstanding is that

1 we're not really starting from scratch. I
2 mean, we're not starting from a -- with a blank
3 sheet of paper. We've been in the business of
4 -- "we" being FDA -- been in the business of
5 regulating animal feed for many, many, many
6 years and have a long history here, and the
7 states, likewise, have had a long history of
8 regulating animal feeds, but what we're trying
9 to do is identifying the gaps that exist, the
10 things that aren't in place at the present
11 time, to make the system more comprehensive.
12 Again, that's why the definition of
13 "comprehensive" is, is very important. And the
14 idea of -- also, to introduce the concept of
15 risk into, into decision-making within the
16 agency. Again, that's not new. The agency has
17 always used risk, but we're trying to do it in
18 a little bit more systematic manner now.

19 In the -- In the framework document
20 that's in your packet, we've identified seven,
21 seven operating principles that we thought was
22 important to, to put down on a piece of paper
23 to ensure that -- ourselves that we were clear
24 about what it is -- where we were going and
25 what our responsibilities are, but the -- It's

1 the industry's responsibility. It always has
2 been. And I know -- You've said it yourself
3 for, for years, for -- responsible for, for
4 making a safe product and distributing a safe
5 product and using a safe product. That's not
6 the FDA's or the states' responsibilities. Our
7 responsibilities are to ensure that process is
8 working. Do that through various ways.
9 Regulations is just one way. Guidance
10 documents, education, conducting inspections.
11 The oversight capacity is, is what the
12 government's responsibilities are.

13 Within the Animal Feed Safety System,
14 while we're speaking almost entirely of it
15 being an FDA program, I think just about
16 everybody in this room recognizes the
17 responsibilities and the -- and the cooperation
18 that, that the states and the agency have, and
19 it's very important that we continue to have a
20 real strong, robust federal/state cooperative
21 program. It's really paramount.

22 We're also talking about that the
23 program will continue to have the various basic
24 features that exist today. There may -- The
25 ratios of some of these may change, there may

1 be greater emphasis in some areas than others,
2 but we'll continue to do inspections. We'll
3 continue to do label reviews. We'll continue
4 to check for guarantees. We'll do sampling and
5 checking for contaminants. But like I said,
6 within the Animal Feed Safety System, you may
7 end up with more focus on safety and less on,
8 on economics, but that doesn't necessarily mean
9 that economic issues are gonna disappear.

10 We've indicated also that we're
11 gonna -- You know, the agency has -- does not
12 have finite resources, very limited number of
13 resources, and the idea is to try to focus our
14 resources on, on those issues that are the
15 most -- offer the most risk to, to human and to
16 animal health, and we hope to be using the
17 risk-based decision-making, and you'll hear
18 more about that today, about -- a little bit
19 more about how we're gonna go about doing that.
20 And where feasible, we -- we're going to
21 introduce feed security measures as they relate
22 to the counterterrorism ex -- situation that
23 we're currently going through and will continue
24 to, to happen in front of us for -- probably
25 for years and years to come.

1 Okay. The four components -- what
2 I'll call "structural components" of the Animal
3 Feed Safety System -- deal with having safe
4 ingredients, ones that are -- been found to be
5 acceptable for use. There are limits that are
6 established for the various contaminants that
7 could find their way into animal feed. The --
8 We have a processing control, an important
9 component of, of the system, and then from the
10 agency's aspect, there is the regulatory
11 oversight. So these are sort of the four
12 cornerstones of, of the Animal Feed Safety
13 System.

14 And from the viewpoint of regulation,
15 and just using this, this as an example, you
16 have -- For ingredient acceptability, you
17 have -- In the Code of Federal Regulations,
18 Title 21 is the Food and Drug section of the
19 code. CFR stands for the Code of Federal
20 Regulations, and Part 573 has the issues
21 dealing with, with food additives, and it has
22 the listing of, of the food additives that are
23 approved and gone through a formal review
24 process. And then this section here, 21 CFR
25 73, has all the color additives that are

1 approved for use in human food and animal feed.
2 Then there is -- An example here, there's the
3 prohibitive proteins regulations dealing with
4 prevention and spread of -- potentially, of
5 BSE.

6 For contaminant limits, salmonella,
7 there's a regulation for salmonella in the Code
8 of Federal Regulations, again, part 535, and
9 that's -- For those, those of you who don't
10 know, that, essentially, has been on the books
11 for over 30 years.

12 And then we have process control
13 regulations, the medicated feeds. "G" -- Good
14 manufacturing practice regulations are in 21
15 CFR 225, and low-acid canning regulations are
16 in the human foods section of the Code of
17 Federal Regulations.

18 So these are examples, at least for
19 the first three structural components on the
20 regulation side, again, indicating that, you
21 know, there are things in place already. I
22 mean, again, we're starting from scratch.

23 And as Dan mentioned, the -- and I've
24 said before, the first public meeting we had
25 back in September of, of 2003 was in the

1 Washington area, in Herndon, Virginia, and we
2 had, probably, a comparable turnout for that.
3 There was -- It was quite rewarding. We had
4 what I thought were some excellent
5 presentations and great feedback from, from the
6 breakout groups, and, and we utilize that in,
7 in developing the draft definitions for
8 comprehensive and risk-based and the essential
9 elements of any process control system that we,
10 again, announced back in 2004, and then this
11 meeting here, we're, we're looking for a repeat
12 in terms of productivity.

13 And, and I know that the framework
14 document, you've had an opportunity to look at
15 and, and read. Whether you've taken that
16 opportunity is another story, but the
17 risk-ranking situation, you'll be -- hear some
18 of that this morning for the first time, so
19 stay tuned. Be alert.

20 The four structural components and
21 the terminology that we've used in the
22 framework document is -- are the ingredients in
23 the approval process: limits for animal feed
24 contaminants, process control for the
25 production of feed ingredients and mixed feed,

1 and then the regulatory oversight component.
2 And the basic framework or the basic format for
3 each one of these components that are in the --
4 in, in -- again, in your handout, we have an
5 objective, a scope, a short description of that
6 particular component and then what I call the
7 process prescriptions. Where -- In the Code of
8 Federal Regulations or in the AAFCO book or
9 wherever, where can you find the information
10 that we're talking about? Where, where are the
11 processes that lead to, for example, safe
12 animal feeds? And then there -- Where are they
13 -- Where are they described -- The process for
14 going -- for, for developing safe animal feeds,
15 for example, then the listings, where are those
16 listings? Where can you find the listings of,
17 say, feed ingredients? And then last but not
18 least is the gaps -- the things that we've
19 identified as, as -- at least at this stage,
20 that need to be developed in order to make the
21 system comprehensive.

22 Again, these are drafts. We're
23 really looking forward to a good discussion
24 about, about the gaps section, and that's, to a
25 large extent, what the breakout groups will be

1 focusing on. There are some specific questions
2 and, again, presentations this morning -- later
3 this morning we'll be getting to, to give you
4 some insight as to what those gaps are and how
5 to go about working on the breakout groups.

6 Okay. Timewise, let's see where we
7 are. We may have time for a question or two.
8 Let's see. 9:02. Yeah. We got a couple
9 questions -- couple time -- minutes. I'm
10 sorry. We got a couple minutes. Barbara?
11 Somebody right behind you.

12 MR. NORTHRUP: Arnold Northrup,
13 Garvey Processing. I agree that we're not
14 starting from scratch, those of us in the feed
15 industry, but some of those brought in by the
16 term "comprehensive" are really starting from
17 scratch, producers, as well as transporters,
18 and I'm wondering how you're gonna catch them
19 up to speed and who's gonna do it.

20 DR. GRABER: Well, I think this
21 is a start. We're obviously -- You know, we've
22 got some people here at the meeting. We're
23 gonna have to work at that to, to get some of
24 these groups to come to the table, and we're
25 gonna have to devise some means for doing that,

1 and, and that may be some of the work that
2 comes out of the breakout groups today, as
3 well.

4 Question, Tim?

5 MR. HERMAN: Yeah. Tim Herman,
6 Office of the State Chemist. How do you feel
7 that the gaps identified by AFSS line up or
8 align with the recent GAO report?

9 DR. GRABER: Which, which GAO
10 report?

11 MR. HERMAN: As it pertains to
12 BSE and the gaps that were identified there.

13 DR. GRABER: BSE? You're
14 talking about the BSE report, or are you
15 talking about the Animal Feed Safe -- animal
16 feeds?

17 MR. HERMAN: Well, the one that
18 was on the front page of --

19 DR. GRABER: Oh, okay.

20 MR. HERMAN: -- Feedstuffs
21 here --

22 DR. GRABER: Okay.

23 MR. HERMAN: -- last issue.

24 DR. GRABER: Last, last issue?
25 Yeah, I haven't seen that issue. Okay. Well,

1 I -- You know, I think the -- There is a group,
2 you know, within the agency. Obviously, it's
3 working on, on BSE, and that group will
4 continue to work on BSE, and whatever gaps were
5 identified there, we'll try to fill, but for
6 the most part, we thought that the, the gaps
7 that -- or at least the issues that were
8 identified by GAO, the agency has been working
9 on. We didn't totally agree with all the, the
10 items identified by GAO, and, and we -- and our
11 responses, which are part of the record, part
12 of the GAO report, do identify where we agreed
13 and where we disagreed, so . . . This
14 particular group is not gonna be focusing
15 purely on BSE. The Animal Feed Safety Group
16 is, is working on some other areas.

17 Got a question up front here? Hold
18 -- Wait up a second, sir.

19 MALE VOICE: In this global
20 economy, how can you walk this narrow line
21 between emotional response and
22 scientific-based -- risk-based responses?

23 DR. GRABER: You got any clues?
24 I, I think -- I think you -- I think we have to
25 -- You know, we have to be realistic. We're

1 gonna try to be as, as scientifically oriented
2 as we possibly can, but I think we all have to
3 recognize that there are other factors that
4 weigh into decision-making, and, and that's
5 just the reality of things in this democratic
6 society. There are political issues. There
7 are trade issues. I mean, the BSE is an
8 example of one that -- where all these other
9 factors play a role. But I think, for the most
10 part, you know, as -- at least -- at least
11 from, from where I'm standing, we're gonna try
12 to be as scientifically oriented in our
13 decision-making as we can.

14 Okay. We've reached 9:05, and the
15 next presentation is by Shannon Jordre, who is
16 with our Division of Compliance, and he's going
17 to be covering the "comprehensive" definition.
18 Shannon?

19 "COMPREHENSIVE" DEFINITION

20 BY SHANNON JORDRE

21 MR. JORDRE: Go ahead. Oh,
22 thank you, Ferris. Well, I can see there'll
23 already probably be some questions about the
24 definition for "comprehensive," and so if we
25 get some time, we'll, we'll try to respond to

1 those more specifically.

2 I'd also like to take this
3 opportunity to welcome everyone to Omaha.
4 Thank you for, for coming to our meeting. As
5 you know, this group, the Animal Feed Safety
6 System Team, has been working for a couple
7 years now, and we've, we've been referring to
8 our program as a "comprehensive" or as an
9 "umbrella-type" program, a way to approach feed
10 safety. Well, I worked with a small team of
11 people to try and flesh out what we mean by
12 "comprehensive," and that's what I'm gonna
13 report on today.

14 Webster's -- As you can see on the
15 screen, Webster's defines "comprehensive" as
16 covering completely or broadly and inclusive.
17 The Webster's definition is really very simple,
18 and although it's simple, it really doesn't say
19 anything about animal feed or feed safety, so
20 we try to customize this definition a little
21 bit to suit our purposes here. Go ahead,
22 Ferris.

23 And just to -- And to throw in a
24 little humor here, here is a group of
25 inspectors touring a feed mill, and they're

1 wondering if their hard hats provide
2 comprehensive protection from the pigeons that
3 are sitting up on the tower at that feed mill,
4 and -- not unlike the -- kind of, the, the
5 program we're discussing here. We've got --
6 We've got all kinds of rules, hard hats in
7 place, if it were, but do they cover
8 everything? And that's what we're trying to --
9 trying to work out here. Go ahead.

10 So what is a comprehensive Animal
11 Feed Safety System? We did public a draft
12 definition on March 31st, 2004, in the Federal
13 Register, and through this series of slides,
14 I'll try to lay out the, the concepts we
15 thought should be incorporated in a draft
16 definition, make a few comments about each of
17 those concepts and, and perhaps highlight some
18 of the comments that we've received to date.

19 So the Animal Feed Safety System, or
20 AFSS, as we call it, comprehensively would
21 apply to the whole range of feed products,
22 including all ingredients and all finished
23 feeds, and as we just heard a minute ago, some
24 feeds and some feed ingredients are produced
25 outside of our traditional feed-controlled

1 jurisdiction. Other materials may never make
2 it into commercial commerce, for example, and
3 may not be subject to state feed laws. In
4 order to provide a seamless system, it will be
5 necessary for us to identify exactly where our
6 authority stops and where the authority of
7 other regulatory agencies start. Some of these
8 other agencies might be USDA, EPA, the
9 Department of Transportation and, of course,
10 the state regulatory agencies that we work with
11 all the time. Go ahead.

12 The Animal Feed Safety System would
13 require the use of ingredients that are
14 approved and/or recognized by an established
15 mechanism of an appropriate regulatory agency,
16 so this would be FDA, this would be the state
17 feed-control agencies. You cannot have safe
18 feed without safe ingredients, and how does
19 someone know whether an ingredient is safe
20 unless it has gone through some type of -- some
21 type of approval or recognition process? We
22 intended for this concept to include
23 ingredients that have been approved by FDA,
24 those, those ingredients that have been defined
25 and are listed in the AAFCO publication, and we

1 know there is a number of other processes that
2 are also available.

3 We did receive some comments. People
4 said, Well, don't forget about grass
5 notification and things, and we haven't. We've
6 -- Just in generic term, we feel that those
7 processes were already recognized by FDA. We
8 don't need to, at this stage, anyway, go into
9 too much more detail. Go ahead.

10 Facilities and equipment. We think
11 the AFSS would cover the complete range and
12 variety of facilities involved in animal feed
13 production. This concept would apply across
14 the board, from small on-farm feed
15 manufacturing operations to large multinational
16 corporations. All facilities and equipment
17 that would be used to manufacture and
18 distribute feed would be covered.

19 Now, historically, some of these
20 industry segments have not systematically been
21 regulated, and some of these operations may not
22 be aware of the requirements that are already
23 in place that they are supposed to be meeting,
24 so we do recognize that there will probably be
25 quite a bit of an educational component to the

1 Animal Feed Safety System, and I think, in
2 general, the comments that we did receive
3 pretty much agreed with us, although they did
4 say we need to make it a little more clear that
5 we're gonna cover transportation, make sure
6 that you talk -- that we're -- we plan to cover
7 the farm, as well. Go ahead.

8 Flexible. The AFSS should have the
9 flexibility to be process- or product-oriented,
10 depending on the situation. I guess our team
11 felt that we can't predict the development of
12 new processes or new products, and it is not
13 our intent for the AFSS to be overly
14 prescriptive, and, and we don't intend to
15 dictate a particular approach, such as HACCP or
16 any other particular approach across the board,
17 but we're not sure what other types of control
18 systems may be available, so we're very
19 interested in receiving your comments on this
20 particular component. Even within our team,
21 we're -- we had some discussion back and forth
22 as to what, what is process-oriented -- or --
23 Well, we know -- We, we think we know what the
24 process-oriented controls look like, but
25 product-oriented, we had some discussion as to

1 what that might mean. So we're very open to
2 your comments on that.

3 All animals. The AFSS should address
4 feeds produced for food and nonfood animals.
5 And why, might you ask? 'Cause we're not
6 eating cats and dogs or other pets. Well, it,
7 it boils down to simplicity, at least from our
8 perspective. Most of the feed ingredients are
9 used in a wide variety of species' feeds, and
10 for consistency and ease of implementation, we
11 feel that the AFSS should apply, across the
12 board, to all feeds.

13 Hazards. The AFSS should cover all
14 known hazards and be applicable to hazards not
15 yet identified. And if there was some
16 heartburn expressed in the comments, this was
17 probably where most of it got expressed, and I
18 don't say that in a bad way. People did
19 express their nervousness with our use of the
20 terminology "hazards not yet identified."
21 Well, how can you -- You know, how can you make
22 us address hazards that have not iden -- been
23 identified yet? And someone else said, Well,
24 if you mention the word "all hazards," aren't
25 you being kind of absolute? And that's a good

1 point. I guess our intent here is that we just
2 -- we just want the AFS -- the AFSS to be as
3 robust as possible, to be well designed, to
4 accommodate as wide a range of potential
5 hazards as possible.

6 Now, the question has come up: What
7 about acts of vandalism or terrorism, things
8 like that? And although we certainly may not
9 be able to anticipate or stop every act of
10 terrorism, for example, we do think that if we
11 have the AFSS in place, it certainly should
12 provide some degree of mitigation and help the
13 situation.

14 Health protection. The AFSS would
15 address both animal and human health issues.
16 The system we have in place now seems to do a
17 pretty good job of protecting human and animal
18 health once the problem has been identified;
19 however, we think -- we think we could develop
20 a more systematic approach that may allow you
21 to predict where problems may occur and help
22 prevent those problems from occurring.

23 Regulatory oversight. The AFSS would
24 acknowledge and coordinate regulatory oversight
25 at all levels, including local, state, tribal

1 and federal, any agency who is involved in feed
2 safety. As, as a follow-up to this, it will be
3 necessary to identify the agencies involved and
4 the extent of their authority, and, and we feel
5 it will be important to coordinate with these
6 agencies rather than to dictate to them.

7 We did receive several comments that
8 suggested that we not forget that there is
9 currently a program in the works that we call
10 Voluntary Self-Inspection, or VSIP for short,
11 and we're working on trying to get the pilot
12 for that going. And we certainly don't
13 intempt -- or intend, I should say -- We don't
14 intend to, to, to bypass that, that project.

15 We have received some additional
16 comments, and I guess I should say we have not
17 been inundated with comments, those of you who
18 have looked at the docket. We have not
19 received a vast number of comments, but the
20 comments we have received have been excellent.
21 Very, very good comments. We did receive some
22 additional comments from a few people. I, I
23 thought I would note these, these two comments
24 in particular: That we should conduct research
25 to ensure hazard determination is based on

1 sound science; and that we should facilitate
2 access to diagnostic tests that will support
3 the AFSS. These are not things that we wrote
4 into the program, but certainly, they're things
5 that we have to keep in mind, and that's one of
6 the things that we hope to get out of this
7 meeting, as well as people commenting to the
8 docket. Please send us your, your ideas.
9 These are very valuable comments.

10 So thank you for your attention this
11 morning, and we do appreciate your help as we
12 journey into this new territory. We're on
13 time.

14 DR. GRABER: Yeah, we're on
15 time, but we'll take -- I'll take one question,
16 if we have one.

17 Okay. Next on the program is
18 Dr. Barry Hooberman. He is with risk -- he's a
19 risk assessment manager in the Office of New
20 Animal Drug Evaluation in CVM. He is going to
21 be talking -- The agenda has him down talking
22 about "risk-based" definition and risk ranking.
23 He'll probably be covering more on the risk and
24 risk ranking, and the "risk-based" definition
25 will be covered a little later this morning in

1 Karen Ekelman's presentation. Anyhow. Barry?

2 "RISK-BASED" DEFINITION AND RISK RANKING

3 BY BARRY HOOBERMAN, Ph.D.

4 DR. HOOBERMAN: Okay. Thanks,
5 George. And since this is the first time a lot
6 of this will be presented, I'm sure there's
7 going to be more than a few questions. Go
8 ahead. And, and that's part of the purpose of
9 this talk, is to try and set a background or a
10 framework for the whole risk assessment process
11 and trying to set it up for the breakout groups
12 that will happen later this afternoon to answer
13 a lot of your questions. So this is a brief
14 overview of what I'm gonna try and talk about
15 today, and we'll try and answer these
16 questions: Why are we doing this? What about
17 risk? What is it? What's risk assessment and
18 risk ranking? And then: How are we going to
19 apply a risk-ranking approach to the Animal
20 Feed Safety System?

21 You've heard of this before, but I
22 pointed out a few things in here that are
23 particularly interesting for this talk: to
24 develop and implement a comprehensive
25 risk-based preventive Animal Feed Safety System

1 that minimizes, reduces or eliminates the risk
2 to animal and human health. So we have already
3 heard a little bit about the comprehensive
4 aspects. I'm gonna talk about the risk-based,
5 and part of the advantages of a risk-based
6 approach that we're using is that we'll cover a
7 preventative or preventive approach, and, of
8 course, the goal is to eliminate the risk to
9 both animal and human health.

10 So why a risk-based approach? I'm a
11 firm believer in the first point, which is that
12 risk assessment provides a structure. It --
13 All it is is a logical process for collecting,
14 organizing and analyzing information to inform
15 a risk decision. This is what often is
16 referred to as a sidespace decision-making. A
17 risk-assessment approach also can be used as a
18 forecasting process, and this is the prevention
19 -- or the preventive approach we talked about
20 before: trying to prevent illnesses, predict
21 where illnesses, adverse health risks could
22 occur. And again, I think it provides a
23 structure to -- for discussions between
24 decision-makers, stakeholders and the public so
25 everybody is on common ground and can have a

1 good discussion. Keep going.

2 So just to point out what risk
3 assessment is, everybody goes through this
4 every day. You're gonna ask yourself: Can I
5 cross the street safely? And just to point out
6 a few things, the -- in this scenario, the cars
7 are the hazards that you want to avoid.
8 Exposure means when you walk out in the street,
9 you're gonna be exposing yourself to the
10 hazards, and, of course, there are consequences
11 if you don't do that properly, which -- and
12 that is a tombstone down there. That's not to
13 say death is the only consequence.

14 So putting that in more of a
15 formatted approach, risk assessment poses four
16 simple questions: What can go wrong, and we
17 call that the hazard identification; what are
18 the consequences, which we call the consequence
19 assessment; how can it happen, which is the
20 exposure assessment; and then what is the
21 likelihood that what could go wrong does go
22 wrong, and that's where we put it all together
23 and try and come up with an estimate of risk.
24 And you can put that in an equation format.

25 Risk is a function -- some function

1 of hazard and exposure. Again, the hazards
2 here we're talking about are the health
3 consequences, which are composed of two
4 components there: the severity of the health
5 consequences, which can be anything from slight
6 skin irritation to decreased feed consumption
7 in animals to death; and then there's also
8 something called potency, which is: How much
9 of, of the exposure to the hazardous substance
10 do you have to have in order to cause the
11 illness? And then the exposure side of the
12 equation just talks about: How, how are the
13 routes of exposure? How are you gonna be
14 exposed, and what's the likelihood that you are
15 gonna be exposed? And that can range anything
16 from improbable to common.

17 And, of course, risk assessment is
18 not the end of the story. Layered on top of
19 that is risk management. In other words,
20 somebody is gonna decide: What are we gonna do
21 about the risks that you've talked about? Risk
22 management asks these kind of questions: What
23 can be done, what options are available, what
24 kind of risk trade-offs in terms of risk
25 benefits and costs, and what are the impacts of

1 current management decisions on future options?

2 Now, you can put that all together in what we

3 call risk analysis, and here's a brief sketch.

4 First, you define the problem, which is kind of

5 your hazard identification. You do your risk

6 assessment, and we -- Being bureaucrats, we

7 have to write a report, so you write your risk

8 assessment report, which may outline a few

9 options for the risk managers to determine what

10 they want to do. The risk management makes

11 some decisions, and then the final aspect of

12 risk analysis is to communicate what those

13 risks are and what the risk management

14 decisions were to the -- all interested

15 stakeholders.

16 And, of course, an important feature

17 is once you implement the risk management

18 decisions, it is iterate to process as more

19 data becomes available. You can repeat the

20 risk-assessment approach. In this case, they

21 installed a walk/do-not-walk sign, but

22 nevertheless, the person crossing the street

23 still has got to do some figuring out if they

24 can do that safely or not, and then you can

25 determine how effective that risk management

1 decision was, and if not, then you go back
2 through the cycle, and you come up with
3 something else, hopefully, that will reduce the
4 risk of being hit by a car.

5 So now we're talking about what risk
6 ranking is, so you can identify a bunch of
7 risks from individual hazards, and those are
8 represented by all the different circles. You
9 have different-sized risks. And then you go
10 through, and, and when you rank the risk, as
11 you see here, the -- rank in terms of worst
12 risks on the top, the bigger circles, to the
13 lower risks.

14 And, of course, there's another
15 aspect to this. Should go -- There we go.
16 Risk management is gonna weigh in, in the order
17 that the risk assessors may put things in, in
18 terms of lower to greater risks. When it comes
19 to actually doing something about it, the risk
20 managers may determine a different order,
21 depending on, on what kind of values they have,
22 cost-benefit analysis, those kind of things, so
23 the management order could be different than
24 the straight risk order.

25 Okay. Now we're gonna move into what

1 we want to talk about, which is the
2 risk-ranking procedure, and I just want to put
3 up this caution: That a lot of times you hear
4 about risk assessment, you hear a specific
5 risk, like one in a million or something like
6 that. We are not doing that. The risks that
7 we are ranking are relative risks, and that's
8 what we are concerned with, so nobody is gonna
9 say, The risk of this particular hazard, dioxin
10 or BSE in this particular feed, is one in a
11 hundred thousand. We are not doing that. All
12 we are talking about is relative risks.

13 So we'll go through the four steps
14 and the way we are going to implement them in
15 our risk-ranking procedure. Of course, the
16 first step is the hazard identification,
17 answering the question: What can go wrong?
18 What we've tried to do is go by the guiding
19 principle on the bottom there, is we're trying
20 to make it as simple as possible, 'cause we're
21 realizing we're starting with the -- with what
22 we're calling "the universe of risk," and there
23 may be additional risks that become identified,
24 but at this point, we've categorized the risks
25 into chemical, biological or physical hazards,

1 and then within those categories, we're
2 grouping them together to let us get a better
3 handle on things and not be bogged down by the
4 details of each specific risk, and then, of
5 course, within the groups, we're trying to
6 group further to talk about hazards with
7 similar characteristics. And the next slide
8 shows you kind of the approach we're taking.

9 We've talked about the three
10 different types of categories: the intentional
11 -- I'm sorry -- the physical, the
12 microbiological, the chemical. I'll also say
13 that we've divided 'em up into unintentional
14 hazards and intentional hazards. Part of that
15 is -- The intention, of course, is the
16 agroterrorism that has generated a lot of
17 publicity. And a lot of the identified risks
18 in there actually mirror what's in the
19 unintentional category.

20 Then -- As I said, so we have the
21 three different types of risk in the un -- I'm
22 sorry -- hazards in the unintentional category:
23 physical, microbiological and chemical. Then,
24 for instance, you can split out the
25 microbiological into different groups. You

1 have bacteria, viruses, fungi, (inaudible)
2 mycoplasma and others, and then within those
3 groups, on the next slide, you can kind of
4 group hazards into things with -- hazards with
5 similar characteristic profiles, such as
6 salmonella, and realizing that they are not the
7 same but also realizing we are trying not to do
8 individual risk assessments on every single
9 hazard in every single feed. Okay. So that's
10 the first step.

11 Moving into the second step is, now
12 we're going to try and analyze: What are the
13 consequences of exposure to these hazards? So
14 the health-consequences step has two factors.
15 I mentioned that before. The first is
16 likelihood of the illness. If you're exposed
17 to the hazardous agent, how likely is it that
18 you will become ill? This was kind of the, the
19 potency argument -- or statement that we talked
20 about before. It may be referred to as
21 "potency" of the hazardous agent, the amount of
22 hazard required to cause the illness or adverse
23 effect. The other component of health
24 consequences is the severity of the illness.
25 If you become ill, how severe is the illness?

1 Are you gonna die? Are you gonna -- Is it just
2 gonna cause vomiting, or is it just gonna be a
3 light skin irritation?

4 And before we move further, I'll say
5 that we tried to put some of the background
6 slides in all of your packets, just generally
7 talking about the principles of risk
8 assessment. I happened to pick up a packet
9 today that did not have it, so if you don't
10 have it, don't worry. All the slides are avail
11 -- will be available on the Website, I think,
12 from all the talks; right?

13 Okay. So the health-consequence
14 score, we said, was a combination of likelihood
15 and severity. You could combine 'em in this
16 type of approach, where a high severity -- and,
17 and the colors are slightly off, that was
18 intended to be red in the upper square -- goes
19 with a high likelihood, medium is not so much
20 of a concern as the high highs, and lows are
21 lower concern.

22 You can -- Go to the next slide. You
23 can put it -- How is this gonna look
24 numerically? We're gonna rank -- give it a
25 health-consequence score from 1 to 5, and you

1 could say the 5s -- We've put a column of 5s on
2 the right -- And this is just an example of how
3 we're -- one approach to doing this. In this
4 approach, we're saying, Well, if it's gonna
5 cause a high severity or death, we're concerned
6 about it no matter if it's a low probability of
7 it happening or a medium probability of it
8 happening or, of course, a high probability.
9 We're gonna try and prevent deaths.

10 Then scores, if it's a -- Well, you
11 can see the chart, but if it's a high
12 likelihood, even though it's a low or medium
13 severity, you can give it a 4, and then, of
14 course, going all the way down to the bottom,
15 if it's not very likely and it's a very low
16 health effect, it's of least concern, and it'll
17 get a score of 1. So the health-consequence
18 scores will be developed for both animals and
19 humans. We're concerned with both animal and
20 human health.

21 The scores for the chemical agents
22 may be based on existing health standards. I
23 mean, there's a lot of ADIs that have been
24 developed -- that's acceptable to acceptable
25 daily intakes -- that come from FDA. EPA has

1 something called RFDs, which are their
2 reference doses, which define a safe exposure
3 level or other kinds of health standards, and
4 there's a lot of those established already for
5 many of the chemical agents that we're
6 concerned with.

7 The scores for the physical agents
8 are likely to be higher for animals and humans.
9 In this case, you can almost look at animals as
10 kind of a filter for the physical agents. It's
11 never gonna make it to humans. I'm talking
12 about rocks, glass. Those kind of things are
13 not gonna pass into the human food supply. Or
14 are unlikely to.

15 And then the scores for the
16 biological agents are a more difficult
17 challenge. There's a lot of work in trying to
18 figure out how much of an exposure to E. coli
19 is going to actually result in a health
20 consequence, and how severe is that health
21 consequence going to be? I mean, that's
22 something we're still working on, as are a lot
23 of people, not just us, but we will make a stab
24 at it.

25 Moving to the third step in risk

1 assessment: How could it happen? This is the
2 exposure assessment. This is a more difficult
3 challenge than the health-consequences score.
4 What we're trying to do here, the approach
5 we're taking is to identify the source of each
6 hazard entering the feed process. In other
7 words, starting at the very beginning of the --
8 of the chain of manufacturing the feeds, what
9 are the potential hazards that are going to be
10 present, and at what levels? We're gonna work
11 through the chain by following the second
12 bullet point: Feed ingredients will be leaked
13 -- linked to each hazard they may contain,
14 resulting in a set of ingredient hazard pairs
15 for each ingredients. In other words, we're
16 gonna worry about -- From corn, we're gonna
17 worry about aflatoxin. From clay, one of the
18 hazards we're worried about is dioxin.

19 So for each one of these pairs, we're
20 gonna start out with the initial -- trying to
21 figure out what the initial level of hazard is
22 and then feed ingredient or feed, and that's
23 gonna depend on a number of conditions:
24 environmental conditions, moisture content,
25 those kind of things; human activities, which

1 would work for pesticides and things like that;
2 the source and type of contaminant and the
3 source and type of feed ingredient. All those
4 will factor into what the initial level of the
5 hazard is in the feed ingredient.

6 So we're gonna give it an initial
7 exposure score based on what we think is there.
8 Most of the -- We have -- We don't have a lot
9 of data on these initial levels. We'll be
10 relying a lot on expert opinion and input from
11 knowledgeable sources, which may include you,
12 in trying to estimate that initial exposure
13 score. We do have data when available.
14 Measure data, salmonella contamination data, we
15 have some of that, but we'll rely on expert
16 opinion.

17 And then we also realized that, as it
18 goes through the feed manufacturing process,
19 things may change in terms of things that may
20 impact -- The processing may impact the levels
21 of those hazards in the feed, so we're gonna
22 apply a modifying factor to that initial
23 exposure score. We're talking here things
24 like, if it's a high-heat process, you may
25 reduce or even eliminate the levels of the

1 bacterial contaminant, so we want to make sure
2 we incorporate that, so we would be reducing
3 that initial exposure score for that
4 contaminant -- for bacterial contaminant in
5 that process. Manufacturing processes include
6 transportation, storage, steps and feed
7 manufacturing and on-farm processes.

8 And I'll apply one last thing. We
9 are gonna also -- Remember our simplified
10 principle. We are gonna try and combine those
11 manufacturing processes into groups, as best we
12 can, that represent similar conditions of
13 processing.

14 So then you'll come up with a final
15 exposure score based on the initial exposure
16 score modified by -- using modifying factors
17 from the manufacturing processes. And we
18 talked about the second example there, so next
19 slide.

20 So finally, you have the fourth step
21 in the risk assessment, which is estimating the
22 risk. What's the likelihood that you're gonna
23 have a sufficient hazard, in your final feed,
24 that's gonna pose a high risk? So the way
25 we're gonna get it is relative risk score.

1 Remember, we're only talking about relative
2 risk. As for each of the ingredient hazard
3 pairs we talked about, the consequence score,
4 which is the health-effects score, will be
5 multiplied by the exposure score to yield a
6 relative risk score, and it doesn't necessarily
7 have to be a multiplication. We are doing that
8 so we get a big spread of scores, so we get
9 differentiation between low risk and high risk.
10 You could possibly just add 'em, you could do a
11 number of other functions, but we're trying to
12 maximize the spread. For example, the
13 consequence scores and exposure scores may
14 range from 1 to 5, so when you multiply, you
15 have a range of relative scores from 1 to 25,
16 and hopefully, that will give us a good spread.

17 And then, of course, the interesting
18 factor is: How are we gonna use those relative
19 scores -- risk scores? As you can see from the
20 list, these are some of the things we're
21 talking about. When you have a higher risk
22 contaminant, I mean, do we need to establish
23 limits for that? And in particular, which
24 contaminants do we need to establish limits
25 for? Do we need to develop analytical methods

1 for some of the higher-risk contaminants? If
2 we find common higher-risk contaminants in a
3 lot of feeds, perhaps we need to talk about
4 trying to change the manufacturing process so
5 that risks go down a little bit. And then, of
6 course, do we need to develop better
7 surveillance or sampling plans to ensure
8 compliance with existing contaminant limits or
9 ones that we may propose?

10 So just to summarize what we've done,
11 we've identified the hazards by grouping as
12 best we could. We come up with a consequence
13 assessment using the -- a consequence score,
14 which is a function of severity and likelihood,
15 combination of those two factors. We've tried
16 to come up with an exposure assessment by
17 starting with an initial exposure score that's
18 modified by factors in the manufacturing
19 process that may reduce or increase that
20 exposure to the hazardous agent and then
21 combining 'em together to come up with our
22 relative risk ranking.

23 Now, there's a lot of limitations to
24 this approach, and I'm sure a lot of you have
25 already identified them, but I'll just go

1 through a couple that are obvious to us. You
2 could either take two approaches: You could
3 take a top-down or a bottom-up approach. A
4 top-down approach would say, for example, that
5 you start with an observed health effect, like
6 we know people are getting sick from a specific
7 contaminant, and we know the incidents of that
8 sickness. We could work our way from there --
9 go through the feed supply to try and consider
10 the source, or you could also take it down a
11 notch, and you say you start with your final
12 feeds, and we know there's a high contaminant
13 level in a final feed, and we want to identify
14 the risk, work through -- work -- what's
15 causing that high-risk feed to occur.

16 So -- One of the benefits of that
17 kind of approach is that it does focus on the
18 point of concern that's closest to what we're
19 worried about, is the health effect. The
20 problems with that approach is that we don't
21 have a lot of data to support it. We don't
22 have -- And this is a credit to everybody, that
23 we don't have a lot of health effects from
24 animal feeds, and we don't have a lot of data
25 on potential hazards in final feeds. So that,

1 that really limits the usefulness of this kind
2 of approach, and this kind of approach also
3 would be difficult to use as a preventive tool,
4 which is, of course, one of our goals of the
5 Animal Feed Safety System. It's a hit or miss.
6 I mean, it's a one-shot deal. We're worried
7 about this specific hazard, and let's find it,
8 and -- as opposed to a bottom-up approach,
9 which is one of the -- we are -- decided to
10 implement, where you start with the sources of
11 hazards, and you work through the system to
12 come up with your relative risk to health. The
13 benefits of this approach is that you do get to
14 incorporate the complexity of this system. It
15 also makes it more difficult to do, but it does
16 incorporate the complexity. It does permit
17 isolation of specific problems. If something
18 crops up, you can go back through everything
19 you've laid out and figure out where that
20 problem could be -- the source of that problem
21 could be, and therefore, it does allow a
22 preventive approach.

23 The problems is (sic) that it
24 requires a lot of risk assessment for each
25 hazard, and like I said, we're trying to group

1 the hazards, so we don't have to do that many,
2 but it is a more involved process, but that is
3 a function of the complexity of the whole
4 system.

5 Another limitation to using a
6 risk-ranking method and the one that we are
7 implementing, which is a -- You can call it a
8 semiquantitative method, in that we're scaling
9 things on a factor of 1 to 5. This kind of
10 approach or methodology pushes most of the
11 insignments into the middle of the range.
12 You're gonna get a lot of things, we said, from
13 1 to 25. You're gonna end up with a lot of 9s
14 and 12s. A lot of things are gonna come out as
15 3s (sic) times 3 is 9 or 4 times 4 is 12 -- 16,
16 in that middle range. So you don't have a lot
17 of distinguishment between intermediate risks.
18 For example, how do you handle kind of a
19 serious acute effect, like a severed finger,
20 versus a mild chronic effect, which is a
21 long-time health effect? They might come out
22 with a similar score, and that's something that
23 is a feature of this type of approach or a
24 negative aspect of this type of approach.

25 It also doesn't distinguish between a

1 high-exposure/low-consequence event versus a
2 low-exposure/high-consequence. The -- When you
3 multiply 'em, those two things are gonna come
4 out the same. That's why we're working hard to
5 try and make sure we have a range and we can
6 differentiate between those kind of scenarios.

7 And then a final limitation is one
8 that's common to risk assessment, is data, or
9 lack of data. This is primarily an issue in
10 the exposure side of things. We don't have a
11 lot of measured data for many of the hazards,
12 so -- which means we're gonna have a strong
13 reliance on expert opinion, not that there's
14 anything wrong with that. Expert opinion is a
15 form of data. It's just a matter of getting
16 quality expert opinion, people who really know.
17 I'm not one of those people, but we have a lot
18 of people in CVM who are experts, and a lot of
19 people out there, I'm sure, are experts and
20 will be able to weigh in on the process. So
21 that's an overview of our risk-ranking
22 approach.

23 DR. GRABER: We've got some time
24 for questions for, for Barry. Can we get the
25 mike -- Hold on one second.

1 DR. HOOBERMAN: Unfortunately, I
2 went too fast, leaving time for questions,
3 so . . . Sorry.

4 MS. WAGSTROM: Hi. I'm Liz
5 Wagstrom of the National Pork Board. I have a
6 couple questions. One, in your hazard
7 identification, as you group and, and et
8 cetera, are you gonna look at risk by species
9 of animal fed? We know that there are risks in
10 feed of something that may be a risk to cattle
11 that may not be a risk when it's fed to pigs.

12 DR. HOOBERMAN: Yes. Yes. I
13 mean, it's not really in the hazard I.D. step.
14 Oh, I'm sorry. Yes. It's not really in the
15 hazard I.D. step. It'll follow through the
16 chain to when we get to the final feeds in
17 ranking the relative risk of feeds. That, that
18 factor will come in. That -- The hazards --

19 MS. WAGSTROM: Thank you.

20 DR. HOOBERMAN: -- that are not
21 there in the starting material will -- of
22 course, will not be present in the final feed
23 for that species, so that's where that would
24 get incorporated.

25 MS. WAGSTROM: Okay.

1 DR. HOOBERMAN: Did that answer
2 your question?

3 MS. WAGSTROM: Somewhat,
4 although there may be a hazard there that isn't
5 a hazard for that species; i.e., we know that
6 E. coli 0157, there may be some evidence that
7 feed in cattle may, you know, be a problem in
8 herds that, you know, have contaminated feed.
9 E. coli 0157, while we don't want it in our pig
10 feed, has not been shown to be a hazard when
11 fed to pigs, so --

12 DR. HOOBERMAN: Sure. And we're
13 not -- Let's not confuse "hazard" and "risk."
14 And just to go --

15 MS. WAGSTROM: Okay.

16 DR. HOOBERMAN: -- through this
17 again --

18 MS. WAGSTROM: Sure. Okay.

19 DR. HOOBERMAN: -- so the hazard
20 is E. coli, but the risk will be low because
21 the --

22 MS. WAGSTROM: Sure. Okay.

23 DR. HOOBERMAN: -- health
24 consequences in that species --

25 MS. WAGSTROM: Gotcha. Okay.

1 DR. HOOBERMAN: -- will be low,
2 so we'll work it through.

3 MS. WAGSTROM: Okay. Cool.
4 Second is, in your exposure assessment, am I
5 understanding that you're trying to link pairs;
6 i.e., corn and aflatoxin? Are you gonna take,
7 then, an average of aflatoxin found in corn,
8 realizing that the risk is the very small
9 percentage that may have high levels versus the
10 vast majority that may have low levels?

11 DR. HOOBERMAN: Yes. I mean,
12 that is a difficult approach that we're still
13 working on, is how to incorporate seasonality
14 and all those kind of factors into coming up
15 with that initial exposure score.

16 MS. WAGSTROM: Okay. And within
17 the exposure assessment, will you have any
18 distribution as -- Will you look at your
19 manufacturing? There may be a lower risk for a
20 person with a 1- or 2-ton mixer feeding a small
21 group of animals versus feed and interstate
22 commerce. Will that be in your assessment, as
23 well?

24 DR. HOOBERMAN: We will try and
25 do that.

1 MS. WAGSTROM: Great. Thank
2 you.

3 DR. HOOBERMAN: (Inaudible) our
4 best efforts at that, yes, recognizing that it
5 could be a consideration.

6 MR. SHERWOOD: I'm Greg Sherwood
7 with Aurora Cooperative Elevator Company at
8 Aurora, Nebraska. The question I have is the
9 use of the term "contaminant." You talked
10 about -- You've used two terminologies already:
11 One was "hazards" in your feed, and the other
12 was "contaminants" in your feed, and the one of
13 the world organizations uses the term
14 "adulterated feed," I think, and I'm a little
15 bit curious to know -- In a world that will sue
16 a company over a hot cup of coffee, I'm a
17 little bit nervous about the use of
18 "contaminant" out there, especially in a
19 low-level environment. It looks to me, from a
20 feed manufacturer's standpoint, that we could
21 lose in court, when we didn't really lose, just
22 because somebody used the terminology
23 "contaminants," when it was really an
24 adulterated feed or a foreign substance that
25 doesn't necessarily go through the feed to the

1 human.

2 DR. HOOBERMAN: I understand
3 what you're saying. I'm gonna defer a little
4 bit to Karen, who will be talking about
5 contaminants specifically later this morning,
6 but that -- I mean, it's a contaminant because
7 we don't want it there; right? That's a
8 definition of "contaminant"?

9 MR. SHERWOOD: So as a -- Okay.

10 DR. HOOBERMAN: And, and --

11 MR. SHERWOOD: Okay.

12 DR. HOOBERMAN: -- there's a
13 reason we don't want it there.

14 MR. SHERWOOD: Okay. Oats --
15 Let's see. Copper in sheep feed is a
16 contaminant; right?

17 DR. HOOBERMAN: Okay.

18 MR. SHERWOOD: It -- The copper
19 in beef feed is not a contaminant, right --

20 DR. HOOBERMAN: Right, at --

21 MR. SHERWOOD: -- at a certain
22 level?

23 DR. HOOBERMAN: Karen is talking
24 to me up front, so she's gonna be the best
25 person to respond to that question, 'cause she

1 will be talking later about contaminants; okay?

2 MR. SHERWOOD: Okay.

3 DR. HOOBERMAN: Thanks. One
4 more? Do we have time?

5 DR. GRABER: Oh, yeah. We got
6 two more.

7 DR. HOOBERMAN: Okay, two more.

8 MR. ROACH: Yes. My name is
9 Steve Roach. I'm with Food Animal Concerns
10 Trust, and I was -- just wanted to make a
11 comment about the way you described the risk
12 communication. In your -- In your diagram, you
13 had -- you all finished the job and then you
14 need to communicate the risk --

15 DR. HOOBERMAN: Right.

16 MR. ROACH: -- and in one of the
17 principles of risk assessment, is there
18 actually needs to be communication through the
19 risk-assessment period, you know, and -- so
20 that you can have inpoll -- input from state
21 polls --

22 DR. HOOBERMAN: Yeah, I --

23 MR. ROACH: -- which is the
24 purpose of this (inaudible).

25 DR. HOOBERMAN: Well, there's a

1 lot of debate about the extent of that, but
2 you're absolutely right. I mean, it's always
3 good to get input, as you work your way through
4 the risk assessment, from all interested
5 parties. Absolutely correct.

6 MR. ROACH: And, I guess, in --
7 sort of related to that is also -- Again, you
8 mentioned a little bit about the lack of data
9 in the end, but that also needs to be
10 incorporated into the risk assessment, because
11 we -- You -- A lot of times the problem is, is
12 that we aren't able to characterize a risk very
13 well. That's really the challenge of risk
14 assessment. If we understood the risk
15 perfectly, then we would know exactly what to
16 do, and I think the --

17 DR. HOOBERMAN: Right.

18 MR. ROACH: Again, a lot of
19 times risk assessment is described as a very
20 deterministic process, when, actually, you have
21 to decide all throughout based on the data you
22 have, and a lot of time you don't have it.

23 DR. HOOBERMAN: Yes, yes, you're
24 right. Although, we are doing the
25 semiquantitative. We're not going through the

1 full quantitative, where you can put
2 distributions on uncertainty and all those kind
3 of factors, but yes, we will recognize that,
4 and that's part of making your risk assessment
5 a transparent process, is pointing out those
6 kind of deficiencies in the data and where they
7 create uncertainty in your results. Any
8 others? Thank you.

9 DR. GRABER: Okay. We're gonna
10 take a half-hour break. Be back here at --
11 sharply at 10:20, and we're gonna spend the
12 rest of the morning going through the
13 structural components.

14 (A break was taken from 9:50
15 a.m. to 10:20 a.m.)

16 DR. GRABER: The program is
17 Dennis McCurdy. Dr. McCurdy will be -- is a
18 member of the Division of Animal Feeds, a
19 toxicologist/chemist. He's going to be
20 covering the first component, the safe feed
21 ingredient component. Dennis?

22 Oh, before I forget -- What was I
23 gonna say? I forgot it already. Talk about a
24 senior moment. Oh, yeah. The -- A number of
25 the packets did not have some of the slides

1 that Barry Hooberman used. We apologize for
2 that. We are making copies as you speak -- as
3 I speak, and they will be available this
4 afternoon in the registration area. So for
5 those of you who do not have the slides -- copy
6 of the slides -- there was about 8 to 10 of
7 them -- 8 to 10 slides -- then just pick 'em up
8 this afternoon. Okay. Dennis?

9 SAFE FEED INGREDIENTS

10 BY JOHN D. McCURDY, Ph.D.

11 DR. McCURDY: Good morning.

12 Originally, George was programmed to put this
13 on, but he was deluged with a lot of thing --
14 had a lot of things to do, so Karen Ekelman
15 sent me an e-mail suggesting that I would -- I
16 should volunteer for this, and that reminds me
17 of a time back in 1968, where I said to
18 someone, I'll do this for you, and I spent some
19 time in a place that we don't want to go to, so
20 so much for volunteering.

21 But how many remember the Big Fat
22 Greek Wedding, which was on for -- TV for a
23 while? And the father was always equating
24 words with derivatization from the -- from the
25 Greek? Well, how many people are Irish, Irish

1 descent? I know at least one person here is
2 Irish descent. Anybody, anybody speak the old
3 language -- study the old language? No. Well,
4 the Irish have been all over the world, as far
5 east as Japan, where you have the name Ohara
6 (phonetic). In Japanese, it means big belly,
7 "O" meaning big. But in the West, they came
8 even further west, and we have Omaha. Now,
9 the -- Now, the -- I broke my promise about
10 joke-telling. I'm sorry. But the Omahas are
11 in the west part of Ireland. It's a variation
12 of -- variation of a name.

13 Anyway, so that's me. Some people
14 call me "John," some people call me "Dennis,"
15 some people call me "Mack," you know. My wife
16 has a pet name, but we won't go there either.

17 As, as Dr. Graber stated and that,
18 that Shannon also stated, there are four
19 components in the framework, and the first
20 component that we're talking about, the agree
21 -- and the approval process, and the approval
22 process for feeds is to be sure that everything
23 in the feed is safe, okay, for its intended
24 purpose. And, and feeds, as you -- as you all
25 know, are not just a source of nutrition. I

1 mean, there are a lot of things that
2 (inaudible) feeds that come by way of color,
3 color additives, approved food additives,
4 things of tactical effect in -- under approved
5 food additives, along with the grass substance
6 items. So we might find something in a feed
7 which may be an antioxidant or some kind of
8 preservative, mold inhibitor, that may be in
9 the feed. And, and so there are a lot of
10 organizations and processes that may have some
11 kind of an effect on feed and feed ingredients,
12 because the scope of the whole thing is to make
13 sure that all -- that the safety applies to all
14 feed ingredients.

15 So we have the FDA, our lovely FDA,
16 in which the various components of the
17 Federal -- the Federal Code addresses drugs,
18 food additives, color additives, grass
19 substances, bioengineering things, which are on
20 consultative agreements between the Center for
21 Food Safety and Applied Nutrition and CVM,
22 which are a biotechnology notification known as
23 a BNF file, and that works wonderfully well --
24 has been working wonderfully well.

25 Other things going on in guidances

1 with FDA, things that are taken from
2 bioengineer plants and animals that are used as
3 drugs. We'll skip that, though. We'll come
4 down to USDA and EPA also affecting things that
5 may gone to (sic) -- into animal feed and into
6 animals, vaccines for USDA; EPA, pesticides and
7 other things, such as water treatment
8 additives, that may find a way into animal
9 feed. And, of course, the AAFCO definition
10 process, we'll spend a little bit of time on
11 it.

12 But these former procedures by the
13 regulatory agencies are -- and you can read
14 that -- are -- can be found in, in 21 CFR. For
15 those of you who don't know what 21 CFR looks
16 like, for our section, I have a copy. It's --
17 This year, its copy is red, so it's our little
18 red book. You missed that one, huh? Okay. A
19 little side humor.

20 So those -- You can find grass,
21 grass notifications and what have you in 570,
22 food additive petitions and its requirements in
23 571.1, and you can find them listed in 21 CFR
24 573. So that's the way it works; okay?

25 For color additives, CVM does not

1 look at color additives. That's done through
2 the Color Additive Petition Group and CFSAN,
3 but that you find everything in 5 -- in 21 CFR,
4 Part 73, and those -- It has those listings
5 for, for, for food and drug color additives,
6 food, food color additives; okay? So -- And as
7 a side note, if you're not well-versed on these
8 things, the, the individual Websites for EPA,
9 USDA and FDA are quite nice ways of spending
10 coffee break time. And then we have also our
11 informal, informal procedures, which result in
12 nonbinding decisions, and we'll go into that
13 part. Can we have the next slide, Abraham?

14 Since I am an individual to whom you
15 send data for review and evaluation, the AAFCO
16 definition process, which results in nonbinding
17 decisions on, on we, the FDA, are placed in the
18 official publication, and I have a copy of the
19 OP if you want to see some of the things that
20 we've done and what's required. Has included
21 -- Does include a lot of things that are not --
22 or do not have a written regulation, which
23 would be a food additive petition. Food
24 additive petition would have to be submitted to
25 the agency, or grass petition have to be

1 submitted to the agency. We would go ahead,
2 and we would do a formal review and evaluation
3 of manufacturing data and safety data and other
4 things that may have to be done and go ahead
5 and publish a regulation. The AAFCO definition
6 process does not result in a formal regulation
7 published in the -- in the Federal -- in Title
8 21 of the Federal Code. It will be in the
9 official publication of the AAFCO. Can I have
10 the next slide, Abraham?

11 Okay. So that leads to a major -- a
12 major gap. That -- Not the only one
13 identified -- or could be identified, but it's
14 the one that we have identified, because we
15 work so closely -- at least our shop does --
16 work so closely with, with AAFCO in preparation
17 and defining of some of these feed-additive
18 ingredients.

19 The difference between the AAFCO
20 definition process and a full formal FAP, or
21 food additive petition process, is one in, in
22 -- in -- one in which we ask for similar kinds
23 of data, but the review process is one in which
24 we have relative -- relatively little safety
25 concern about the material that's being added,

1 added to the feed; okay? If, in the process,
2 we do discover situations or an issue where
3 it's of, of, of safety concern, then, then, of
4 course, the next -- the next move would be for
5 a food additive petition, 'cause we wouldn't
6 go -- we wouldn't go this route, but we've been
7 very successful with this route over, over the
8 number of -- over a number of years.

9 The -- What happens here is, though,
10 the AAFCO is not the title -- not Title 21 of
11 the Federal Code, so there is no federal
12 regulation published -- written or published;
13 okay? It only -- It only appears in the OP,
14 but when we go to look at writing an Animal
15 Feed Safety System as a formal title
16 regulation, then these -- then this bounce --
17 this bounces up to each other.

18 So what we need to do and are
19 planning to do is to go ahead and clarify, in a
20 compliance policy guide, as to this
21 relationship and this situation, and it has
22 even, even a reference that maybe a regulation
23 should be published, but then again, there may
24 be a legal conundrum there, too, so . . .
25 That's, that's the one, one gap we'll -- that

1 we've identified. I spend most of my time as a
2 regulatory toxicologist and regulatory
3 chemist -- chemist first, toxicologist
4 second -- on evaluating these kinds of data,
5 and in the recent time, I'm spending a lot of
6 time on enzymes.

7 So there -- There's sort of a
8 bounce-up for these things in the OP, which, in
9 tactical, are not really recognized by the
10 Federal Food, Drug and Cosmetic Act because
11 there is -- there is no publication written.
12 There is no regulation published -- written and
13 published in the Title 21 CFR 573.

14 Is that the last one, Abraham? Yeah,
15 that's it. So that's, that's the, the, the
16 first component that we're looking at, at these
17 processes and these ingredients and, and the
18 non -- non-FDA-binding materials that are --
19 and chemicals that are -- find their way
20 through the AAFCO official publication
21 definition process. Got a question? Yeah,
22 Ally (phonetic)?

23 MALE VOICE: (Inaudible) --

24 DR. GRABER: Whoa, whoa, whoa.

25 Wait.

1 MALE VOICE: I'm sorry. Oh. I
2 just wanted to mention that -- or if you have
3 any comments, that ingredients definitions that
4 are proposed to AAFCO also are reviewed by FDA.
5 I think that's part of the process of the
6 ingredients definition, that we make sure that
7 that goes to FDA and FDA has a chance to review
8 and make comments.

9 DR. McCURDY: Yes. And, and
10 many times there's been some spirited
11 discussion at the, the ingredient definition
12 process at the AAF -- at AAFCO, so -- But that
13 has work -- That has worked quite well in the
14 past number of years.

15 Just one other -- One other thing
16 just popped in my head. Okay. It does -- It
17 does work. Here's an example of how it does
18 work; okay? A number of years ago I was on
19 a -- I was the primary viewer for toiliwell
20 (phonetic), okay, to be used in animal feed as
21 a source of linoleic and linoleic acids.
22 Someone wasn't playing cricket. We asked AAFCO
23 to have that definition withdrawn. That
24 definition was withdrawn. Toiliwell is not
25 supposed to be on -- to be used for an animal

1 feed. That did not require a notice of
2 federal -- What do you call it?

3 (Inaudible.)

4 DR. McCURDY: Yeah. Yeah. So
5 it was done (snaps) in a heartbeat, as opposed
6 to going through a legal action. So it, it
7 works well.

8 DR. GRABER: Okay. In a
9 heartbeat. Okay. Karen --

10 MALE VOICE: (Inaudible.)

11 DR. GRABER: Okay. Next, next
12 on the program is Karen Ekelman, who is a team
13 leader for the Animal Feed Safety Team in the
14 Division of Animal Feeds. She is gonna be
15 covering limits for animal feed contaminants
16 and also "risk-based" definition.

17 LIMITS FOR ANIMAL FEED CONTAMINANTS

18 BY KAREN EKELMAN, Ph.D.

19 DR. EKELMAN: Thank you, George.
20 I asked George to wave at me at 12 minutes, but
21 if I don't notice it, the rest of you are free
22 to wave at me at 15; all right? Get me off the
23 stand here.

24 I want to talk by trying to -- start
25 to talk by trying to address some of the

1 definitions that were raised earlier. Somebody
2 asked, Well, what's adulterated? What's a
3 contaminant? What do you mean by these terms
4 you're using? In general, we're not trying to
5 use legal terms here, but we're using
6 "contaminant" to mean anything that's in the
7 animal feed that you didn't want to be in that
8 feed or didn't intend to be in that feed. It
9 could be a nonhazardous contaminant. For
10 instance, if you want to put rye in, and there
11 are other grasses mixed with them, those could
12 be contaminants, if you think you're buying rye
13 and you get something you don't want. Those
14 are unlikely to be hazardous contaminants. So
15 a contaminant is anything you don't want there.
16 A hazardous contaminant is something that might
17 present a hazard if it is there, and those are
18 what we're working on for our risk-based
19 assessment.

20 Again, you might think that the risk
21 assessment only applies to hazardous
22 contaminants, but some of the questions that
23 were raised were very perceptive. Somebody was
24 talking about copper for sheep and goats. And
25 so what Dennis McCurdy talked about, which is

1 our approved feed ingredients, they can also
2 present hazards for certain species for which
3 they are not approved or for species that are
4 more sensitive than others. So the
5 risk-ranking procedure is not only for some
6 contaminants that we consider to be potentially
7 hazardous but also for feed ingredients that
8 may be hazardous when used in ways in which
9 they were not intended or approved. I just
10 wanted to make that clarification.

11 Today I'm going to talk about
12 Component 2 of the Animal Feed Safety System,
13 and if you're following along on your component
14 there, it starts on page 3, and it's limits for
15 animal feed contaminants. We chose the word
16 "limits" very carefully because there are a
17 number of mechanisms FDA and other
18 organizations can use to recommend what safe
19 limits would be, and we didn't want to imply
20 that we had thought ahead of time about what we
21 might use. So I'm gonna briefly discuss the
22 objective and scope of this particular
23 component, the three gaps that were identified,
24 and then I'm going to switch a little bit and
25 talk about what, what contaminants are you

1 talking about in terms of hazardous or
2 potentially hazardous contaminants. If you
3 remember, Barry said that we'd come up with 175
4 or so, and I'm sure, when you take a look at
5 that list -- and you will get a chance to when
6 we finalize it, and you will agree with most of
7 the things that were on our starter list, and
8 again, for what purpose we're doing this. Then
9 I'm going to discuss a modification to the
10 definition of "risk base" that we first made
11 available in 2004, and I'm gonna summarize some
12 of the comments we've received on risk issues,
13 focusing on those ones that might be
14 interesting to discuss in your breakout groups
15 this afternoon. Next, please.

16 The objective of Component 2 states
17 to use risk-based mechanisms to identify and
18 develop limits for potentially hazardous
19 contaminants in animal feed and feed
20 ingredients. That's pretty straightforward.
21 And we see from harvesting through use of --
22 through feeding, we need to consider the entire
23 continuum. Next, please. Abraham, next
24 please.

25 Component 2 does not -- Oh, go back

1 one. I'm sorry. It looked the same to me, but
2 it was different.

3 The scope is, contaminants are toxic
4 or deleterious biological, chemical or physical
5 hazards that are inadvertently present in
6 animal feed and feed ingredients, and I just
7 have some pictures here. There's a whole bin
8 of USDA-condemned poultry, and you wonder where
9 they're gonna go, and there's a flooded field,
10 and you wonder what's gonna happen with the
11 crops in those fields if they're destined for
12 human or animal consumption, and all of those
13 are potential sources of hazards you need to
14 think about. Next, please.

15 Component 2 does not -- or does apply
16 to contaminants that may be inadvertently added
17 to animal feed during its manufacture. The big
18 example is the dioxins that are created by
19 heating a set of substances to a certain
20 temperature, and we did have one episode of
21 those recently. However, Component 2 does not
22 apply to unapproved or prohibited feed
23 ingredients -- that's under Component 1 -- and
24 it also does not apply to expected contaminants
25 in approved feed ingredients that are likely to

1 be residues of starting materials or breakdown
2 products produced during manufacture, and
3 that's because the way in which these feed
4 ingredients are approved includes review of
5 manufacturing processes and potential
6 contaminants, and usually, specifications will
7 be set if there are contaminants or breakdown
8 products in the manufacture of a feed
9 ingredient that raise a -- either an identity
10 concern or a safety concern, so these are not
11 covered under what we're talking about under
12 Component 2. Instead, they belong in
13 Component 1. Next.

14 Three gaps were identified for
15 Component 2. The first is that risk ranking
16 will be used to help determine which
17 contaminants present the greatest risk to
18 animals and humans and to help decide how best
19 to prevent, eliminate or control those risks.
20 And the comments -- I summarized the comments,
21 so if you made a comment and don't recognize it
22 verbatim here, I, I summarized a number of
23 them, but they were generally about the
24 risk-ranking process, and they cautioned us
25 that they should be done only for segments of

1 the feed industry that are not now controlled
2 by CGMPs and to specify the process steps
3 associated with risk, and, and those are all
4 good points and points we need to take to
5 heart. Next, please.

6 Gap 2 is the validated test methods
7 for some feed contaminants may need to be
8 developed (sic). It's a lot longer in your gap
9 statement, but I tried to summarize it. Now,
10 everyone knows if we come up with 10
11 contaminants or 20 contaminants, that somebody
12 needs to control in feed under certain
13 circumstances, that there are unlikely to be
14 validated test methods for all of those in the
15 particular feeds. It's also unlikely that FDA
16 is going to have the resources to develop
17 validated test methods for all high-risk
18 contaminants, so this is a joint process.

19 The agency has had experience with
20 setting criteria for test validation that may
21 be done by third parties. In addition, we
22 finally do -- and this is the first
23 announcement of this -- have a new resource
24 available to us. Dennis McCurdy, who is on the
25 Animal Feed Safety System Team, is going to be

1 working with some individuals in our research
2 group who have been given a little bit of
3 bioterrorism money, and they are going to be
4 working on developing some test methods for
5 some hazardous contaminants in animal feed. We
6 don't know how, how far they'll get or what
7 they'll be able to do, but this is the first
8 indication we've had that we may be able to
9 have some resources devoted to this area, and
10 so input from individuals about what they think
11 we should be working on would be useful at this
12 point. Comments for this were that we need to
13 recognize that rapid, inexpensive and reliable
14 test kits for most of these contaminants are
15 not going to be available or, if available, are
16 not validated, and that's a very legitimate
17 concern. Next, please.

18 Gap 3 relates to agroterrorism. It
19 says, By ranking the risk of potential
20 agroterrorist agents that can be added to
21 animal feed, we will enhance our ability to
22 work with USDA to improve methods of
23 preventing, coordinating responses to and
24 investigating terrorist incidents involving the
25 deliberate contamination of feed ingredients

1 with exotic animal diseases.

2 I don't know how many of you read
3 your newspaper today that was delivered to your
4 door, but there was an article on an exercise
5 going on right now that involves CVM and the
6 rest of FDA and a number of states, in which
7 there was potential -- it's not real, it's,
8 it's -- a potential release of a hazardous
9 infectious agent from a car in New Jersey, and
10 we were alerted that we were going to be
11 involved in an exercise, but, of course, we
12 didn't know what it was. So a number of people
13 back at CVM now are working on their responses
14 to this, and we consider this to be an
15 important part of what we're doing, but, of
16 course, we recognize that we can't rank the
17 risk of potential agroterrorist agents the way
18 we would for normal agents because we don't
19 have exposure levels, so we're having to be
20 fairly creative about that. And we had one
21 commenter that agreed that this would be good
22 to deal with this issue in the AF -- Animal
23 Feed Safety System in some way. Next, please.

24 I just wanted to include some
25 examples of, of some of the contaminants that

1 we are developing risk-ranking score fors
2 (sic). There's salmonella, E. coli,
3 staphylococcus and clostridia. Also, there are
4 different -- We have identified not only
5 salmonella but the specific subsets of
6 salmonella that we consider important; insects,
7 such as the blister beetle, and I bring that up
8 because possibility of contamination with a
9 blister beetle is one of the things that was
10 considered and what George mentioned was the
11 recent outbreak of horse deaths in Puerto Rico
12 that we could not identify the source of; and
13 the transmissible spongiform encephalopathy,
14 such as BSE and CWE -- D are also going to be
15 ranked. Next, please.

16 Chemicals, drugs approved for use in
17 animal feed. Again, we will not set new limits
18 on these drugs, but we will simply consider
19 which drugs are most likely to be present at
20 excess levels, based on our data, in what feeds
21 and for what animals this is likely to be a
22 problem and see if we need to have additional
23 controls in place. Mycotoxins, such as
24 aflatoxin and fumonisin; environmental
25 contaminants, such as pesticides, dioxins,

1 PCPs, radionuclides and heavy metals; and, of
2 course, the physical examples -- bone, glass,
3 metal and plastic -- will likely pose risk to
4 animals but not likely to pose risk to humans
5 consuming the animals.

6 And you've seen some of these before,
7 but we thought it would be a good idea to
8 mention them again. What are we doing this
9 risk ranking for in relation to feed
10 contaminants? We want to determine which feed
11 contaminants are present, that present the
12 highest risk, and decide how best we can
13 eliminate, prevent or control those risks.
14 Next, please.

15 Now, I don't know if you recall --
16 And for many of you there should be available,
17 in your folder, a -- one sheet that has the old
18 "risk" definition on top and then -- -- and a
19 new one on the bottom, and note that we are
20 defining "risk-based" and not "risk." In other
21 words, we're defining what "risk" means to us
22 in the Animal Feed Safety System, but the
23 second sentence attempted to find "risk" in a
24 way that was understandable to people, and that
25 was the one that caused the most concern.

1 So the entire definition is on your
2 sheet, and if you don't have one, we'll make
3 one available before the breakout groups, but
4 that definition was -- said risk is a function
5 of the likelihood of human or animal exposure
6 to deleterious amounts of such hazards in feeds
7 and the significance of the health consequences
8 in response to those exposures. Next, please.

9 The comments we received are -- We
10 should be a little more specific in what we're
11 talking about. What about nonregulatory
12 approaches? And I'm not gonna discuss that,
13 but non -- Regulatory approaches includes a
14 huge range of approaches, including education,
15 and I think we'll talk about that when we talk
16 about Component 4 today, but we also had the
17 comment, comment several times -- the
18 definition unclear -- what does risk as a
19 function really mean in lay terms? And so we
20 simply altered that part of our definition.
21 Next page.

22 And we hope this under -- The risk
23 resulting from the presence of these hazards in
24 feeds is some combination of the likelihood of
25 the human and animal exposure to the feed

1 hazard and the significance of the health
2 consequences, and I think Barry explained quite
3 well that we're going to modify these two
4 scores, but you could do other things. You
5 could add them. You could treat them in some
6 other way. And, and it basically gets to:
7 What do you want to do with the scores? And we
8 want to spread them out so that we can make
9 risk decisions, and multiplying is one way to
10 do that. So that's just what we tried to
11 correct, and you can look in your folder for
12 the complete definition. The rest of the
13 definition -- I think there's one minor point
14 that's changed, but the rest remains relatively
15 the same. Next, please.

16 And finally, these are some of the
17 interesting comments we received on risk and
18 risk ranking that you might want to consider as
19 you go to your breakout groups. First, how
20 would a risk-based approach affect some states'
21 focus on consumer protection, which is also
22 called economic protection? And George
23 mentioned this, in his introductory talk, as
24 something that would be interesting to
25 consider.

1 Also, people told us, as if we didn't
2 know, that risk ranking would be difficult,
3 time-consuming, expensive and hampered by
4 insufficient data. Absolutely correct. It
5 will be all those things. And the best way we
6 can think of to make it work anyway is to make
7 all the stages in that process visible to both
8 the people at FDA and to the public, and so
9 that way, we hope you will help us get the data
10 we need to modify some of these assumptions
11 we're gonna have to use.

12 Risk ranking will result in a
13 requirement that feed manufacturers test for
14 more contaminants, so I can actually say that
15 we don't have any clue, at this point, whether
16 that's gonna be true or not. Could be; could
17 not be. We just aren't at that point.

18 And various comments differed about
19 whether risk ranking should focus on human risk
20 only or should focus on risk to humans and
21 animals, and that's something we're going to
22 have to address in a political, as well as a
23 regulatory arena, when we get to the end of
24 this, but at this point, we're committed to our
25 focus on animals and human risk.

1 Do you like my chicken picture?

2 That's the end, and -- Thank you.

3 DR. GRABER: Okay. We'll take
4 one question or comment, or -- if anybody has
5 one. We have one.

6 MR. SHERWOOD: I'm Greg
7 Sherwood, again, with Aurora Cooperative. In
8 the feed industry, the only thing -- or one of
9 the things that we think we can be accountable
10 for is that a feed that we produce goes to
11 animal, if there's a disease and it can be
12 expressed in the meat, and how does that get
13 passed into the human food chain? And because
14 of that, there's two samples you have under
15 your biological: One of 'em is salmonella, and
16 I believe that the cereal types found in the
17 salmonella and animal feed are different than
18 those that are found in the human, to cause a
19 sickness in human, and, and the other one is
20 E. coli. I don't believe there's any data out
21 there that shows that E. coli in the feed will
22 be expressed in the meat. It's more of a
23 cleanliness issue of whether the hands of the
24 handler were clean or whether it got ground
25 inside the beef or whether it's on your lettuce

1 salad or, or -- And the issue of the largest
2 E. coli outbreak in the United States was in a
3 swimming pool in Atlanta, Georgia, not --
4 having nothing to do with feed. And because
5 there is no scientific proof that it is
6 expressed inside the meat, I guess I would ask
7 that those two be taken off of the biological
8 list, because it scares the heck out of the
9 public --

10 DR. EKELMAN: Okay.

11 MR. SHERWOOD: -- and it may not
12 be factual.

13 DR. EKELMAN: Okay. What I want
14 to emphasize is the list of hazards is not a
15 list of risks. The list of hazards is sitting
16 down and saying to people -- experts in the
17 field: What do you think might be in feed that
18 you are concerned might cause a risk to animals
19 and humans? When we develop our list to risk,
20 we might conclude that some of those are highly
21 unlikely to be in feed and, thus, highly
22 unlikely to pose a problem, and they would
23 naturally fall out of our assessment. That's
24 No. 1. The second one is, we're aware of the
25 fact that while there's -- there is difference

1 in salmonella that have been identified in
2 animals, in feed and in humans -- and that
3 data -- those data are very important, but we
4 don't consider them conclusive at this point.
5 You know, we could talk about it, but probably,
6 this isn't the right forum. And E. coli
7 0157:H7 continues to be a problem. Even if
8 it's present in animals at the time that
9 they're slaughtered, that would be a potential
10 for contamination in passing to humans.

11 So we hope to evaluate the risk of
12 those with data available and assumptions and
13 modify them as time goes on, but we want you to
14 remember, we started with a list of -- a long
15 list of hazards, and they may not all be on our
16 list of risks when we're done.

17 DR. GRABER: Okay. Next on the
18 program is Mr. Paul Bachman with the Center for
19 Veterinary Medicine, Division of Compliance,
20 and he'll be talking about process control for
21 production of feed. Paul?

22 PROCESS CONTROL FOR THE PRODUCTION OF FEED

23 BY PAUL BACHMAN

24 MR. BACHMAN: Thank you,
25 George. My name is not synonymous with process

1 control, although it seems to keep following me
2 around. But I appreciate being here today, and
3 now I know where I'm at. I'm in Omaha,
4 something like that, and thank you, Dennis, for
5 reminding me and that I have a responsibility
6 this morning. Next slide, please.

7 We're just going to do a brief
8 overview of the process control component,
9 which you can find in your packet, as well as
10 what's been published prior to this meeting,
11 and the objective of the process control is to
12 ensure the safe manufacture, packing, storage,
13 distribution or use of all feed ingredients and
14 mixed feed. The scope is -- As you can see, it
15 applies to firms and individuals involved in
16 the manufacturing, package, storage,
17 distribution and use of feed ingredients in
18 mixed feed, including on-farm operations.
19 Next.

20 So somebody asked the question:
21 Well, why process control, or what are we --
22 what are we trying to accomplish? And
23 basically, what we're trying to accomplish,
24 which is -- several other people have already
25 mentioned this morning -- it's a preventative

1 measure to eliminate or reduce to an acceptable
2 level risk to animals and humans that might
3 occur during the processing of feed ingredients
4 and mixed feed. What is process control?

5 We're viewing it, at this time, as a systematic
6 approach designed to ensure feed safety. Next.

7 And how are we proposing to go about
8 that? And it's by identification and use of
9 appropriate controls, within an established
10 feed safety program, to prevent, eliminate or
11 reduce to an acceptable level, again, risk to
12 animals and humans and, by establishing
13 procedures, to verify that the controls
14 established within the feed safety program are
15 effective. Next.

16 So the question is: How do we design
17 this systematic approach? And when I mean "we"
18 -- Or what I refer to as "we" is the public
19 comments sought, and as Dr. McChesney indicated
20 this morning, what Dr. Sundlof had indicated at
21 the first public meeting, is that your input
22 during the breakout sessions and following the
23 breakout sessions, with written comments, is
24 very critical to what we have defined to date
25 and what direction the process may take in the

1 future. So it's very critical that you, you
2 become active in your breakout groups today and
3 tomorrow.

4 This is just a list of some of the
5 approaches that FDA has used in the past or
6 utilized in the past. As, as -- Some of you
7 are quite familiar with the good -- current
8 good manufacturing practice of Type A medicated
9 articles and medicated feeds, and also, GMPs
10 apply and low-acid canned food or hazard
11 analysis and critical control point programs
12 for seafood and juice, and, of course, seafood
13 and juice also have some sanitary standard
14 operating procedures involved.

15 But I do want to say, at this time,
16 that we, meaning the Animal Feed Safety System
17 Team, are not advocating any of these
18 approaches for this issue. It -- Keep an open
19 mind. Again, as Dan said this morning, try to
20 keep an open mind. Think outside the box. And
21 we are not in a position, as the previous slide
22 indicated, to indicate any of those particular
23 forms of approach.

24 Within process control, the team has
25 identified only one gap at this time, and

1 that's, basically, that there's no current
2 regulatory approach to govern controls used to
3 address feed safety. Concerns associated with
4 manufacturing, package, storage, distribution
5 and use of nonmedicated feed, ingredients and
6 mixed feed.

7 We have received several comments to
8 the docket to this point. Some of these are
9 rather recent comments, which were received
10 after publication -- notice of publication of
11 this public meeting. One comment indicated
12 that the unidentified gap is not correct. The
13 gap is focused solely on the medicated feed
14 industry, and in no way was this our intent.
15 Like I said on a previous slide, this goes
16 beyond existing in our current medicated feed
17 industry, and, you know, what we're trying
18 to -- trying to work on here, the issue is much
19 larger and beyond the scope of existing GMPs
20 for medicated feed.

21 Another comment indicated it was very
22 important for the agency to extend feed safety
23 programs up and down the stream from commercial
24 feed manufacturers, now, indicating this needs
25 to apply to feed ingredient suppliers and

1 animal feeders. If we have not made that point
2 clear prior, we apologize, but again, it is our
3 intent -- and I think Shannon discussed this
4 this morning in his presentation, as well as
5 other people, that, again, this is a
6 broad-scope-type approach. Next, please.

7 We've also had a comment indicating
8 the identified gap contradicts the concept of
9 flexibility embodied in one of the core
10 concepts contained in FDA's draft definition of
11 comprehensive. Next.

12 The comment went on to specify that
13 the fourth component of the definition, as, as
14 Shannon discussed this morning, the flexibility
15 be process- or product-oriented, depending on
16 the situation; okay? And as Shannon indicated,
17 we need a little bit more discussion or comment
18 as to: What do you really mean when you say a
19 process control program should take the -- be
20 oriented towards product control or vice versa?

21 And just put this in here for
22 something to think about. You may want to
23 discuss it in some of the appropriate groups --
24 of applicable groups. And then: What does
25 process- or product-oriented mean to you within

1 the context of the identified gap for Component
2 No. 3, process control? Okay. Next.

3 Also published in March of 2004 was
4 the paper of basic elements of the Animal Feed
5 Safety System process control. These elements
6 are also in your packet. There's a -- I think,
7 a single page or two pages on the elements.
8 Again, these are some things for you to think
9 about. Let's see if they're comprehensive
10 enough, and we'll see what maybe should be
11 added or, or make some comments about it. But
12 basically, you know, the process -- The --
13 Basically, the elements group identified seven
14 elements, with, as indicated, the subelements
15 for -- a number of subelements for each one of
16 these. I won't go down through the seven. I
17 think you can see 'em, and they're also in your
18 packets, so that should be sufficient to
19 review. Next, please. Next. Back up one.
20 I'm sorry. I forgot to cover something.

21 And just to point out that each of
22 the saloma -- sal -- salamander, salamental
23 (phonetic), salmonella -- seven elements -- The
24 final subelement listed was indication for
25 written SOPs; okay? Next, please.

1 Speaking of the master of senior
2 moments, during the break, I went up to my room
3 to get a copy of my presentation. Well, it was
4 about 30 seconds before Dennis started speaking
5 that I realized that I didn't have it, you
6 know, so I don't know what I -- I'm not exactly
7 sure what took place in my room or the trip up
8 and back, but -- you know.

9 Some comments to the document -- Most
10 of the comments were specific to each
11 subelement of an element; however, there's one
12 repeating comment specific to the indication
13 for written SOPs. I think that it needs
14 mentioned here for your further consideration.
15 Next, please.

16 Written SOPs should be dependent upon
17 type, size, complexity of the operation or
18 number of personnel involved. Now, this is a
19 comment we received, okay. The second --
20 Another one of the comments specific to the
21 elements were that SOPs are advisable in most
22 cases but may be inappropriate for extremely
23 small commercial or on-farm establishments
24 where one or two persons are responsible for
25 manufacturing or feeding of products. Next,

1 please.

2 Again, just something to think about,
3 and you may want to comment on this, 'cause I
4 think we're looking for additional information.
5 In a risk-based approach for human and animal
6 feed safety, how are risks dependent upon the
7 type, size, complexity of the operation or
8 number of personnel involved? And so if there
9 can be a little more detailed explanation of
10 how some people think that that -- You know,
11 there's an implicit property in there somewhere
12 that we're still not viewing. We could use
13 that. And that's the end.

14 As you see, not everything is clearly
15 focused. We're seeking input. There's a lot
16 of variability, and -- This is a joke; okay? I
17 have to say this is a joke, all right, because
18 this came with a caption that said -- And this
19 is sort of relative. "Relative" in the sense
20 that the hen is related to the chick; okay?
21 That type of relative, in a sense. The caption
22 said, What happens when you feed Fruit Loops to
23 chi -- to hens; okay? FDA is not saying this.
24 It's not what happens, I don't think, you know.
25 Maybe some of you poultry people know better,

1 but I've seen green eggs and brown eggs and
2 white eggs in a previous life, but -- I don't
3 know, you know.

4 Happy Easter -- belated Easter.

5 Thank you.

6 DR. GRABER: We're really out of
7 time, but we'll take one question, if someone
8 has it.

9 Okay. All right. We -- Since Paul
10 is having a senior moment, we're gonna -- we're
11 gonna do Groundhog Day. The next speaker will
12 be Paul Bachman to talk about -- No. See if he
13 can get it right this time. Okay. Never mind.

14 Next on the program -- Before I
15 forget, the -- For those of you who do not have
16 the slides -- some of Barry Hooberman's slides
17 and the definition of "risk-based," the
18 one-pager that's supposed to have been in your
19 book, they're now in the back of the room, so
20 at the end of the day -- or at the end of the
21 morning, you can pick them up. They're on the
22 table at the back of the room.

23 Okay. Now for the fourth component,
24 we have Dr. Steve Traylor with the University
25 of Kentucky's Division of Regulatory Services.

1 I'm sorry, Steve, for the error in the -- in
2 the agenda. It's Division of Regulatory
3 Services. And he's gonna talk about regulatory
4 oversight. Steve?

5 REGULATORY OVERSIGHT

6 BY STEVE TRAYLOR, Ph.D.

7 DR. TRAYLOR: Thank you,
8 Dr. Graber. As a state representative on this
9 committee, it is indeed my pleasure to present
10 the next component of the Animal Feed Safety
11 System entitled "Regulatory Oversight."
12 Current regulatory oversight is present in
13 levels commensurate with risk to the animals
14 and humans through inspection enforcement
15 activities. Thus, the objective of Component 4
16 is to develop a framework for the use of
17 prioritizing and allocating inspection
18 enforcement resources to minimize risk to
19 animal and human health.

20 Although the Animal Feed Safety
21 System is an umbrella program being developed
22 by FDA, it is essential for us to consider the
23 impact that this program will have on other
24 regulatory agencies. This is especially true
25 when one views the impact of such a program on

1 the relationship between FDA and the other
2 regulatory agencies, including the states.
3 With this in mind, the scope for this component
4 was designed such that the process should apply
5 to FDA's feed regulatory activities from the
6 similar state acts as conducted using the FDA
7 authority. Examples of this would include
8 label review, education, inspections,
9 enforcement and information sharing.

10 The next four slides will, will cover
11 the subpart of Component 4, which is the
12 inspection program, and the inspection program
13 is utilized, thus far, by regulatory agencies
14 to determine a firm's or product's degree of
15 compliance with applicable regulations, include
16 (sic) surveillance-based inspections or
17 compliance-based inspections. Surveillance
18 inspections are conducted to determine whether
19 a firm is substantially in compliance with the
20 regulations and are operating under control.
21 In contrast, compliance-based inspections are
22 conducted to evaluate a firm's compliance with
23 the provisions of the regulations and to
24 document the inspectional observations
25 supporting possible enforcement action. An

1 example of this type of inspection would be a
2 for-cause inspection, and one on the
3 surveillance inspections would be a GMP- or
4 BSE-based inspection.

5 In Dr. Graber's talk earlier this
6 morning, he stated that one of the operating
7 principles of the -- of this system includes a
8 robust federal and state relationship covering
9 all aspects of feed regulation. It is
10 difficult to discuss inspection programs
11 without noting the integral relationship and
12 involvement and interaction between FDA and
13 their state counterparts. This is because a
14 large majority of the inspections are indeed
15 conducted by FDA state counterparts.
16 Therefore, a strong working relationship should
17 be a significant component of the Animal Feed
18 Safety System. Of particular interest to the
19 states' regulatory agencies is that under the
20 proposed regulation -- or the proposed Animal
21 Feed Safety System Program, their role in
22 inspection and enforcement, under their laws
23 and regulations, should not change.

24 As an extension of what was discussed
25 earlier today in Component 2, the regulatory

1 oversight component would utilize a risk-based
2 approach to improve the agency's ability to
3 prioritize and allocate inspection resources by
4 targeting firms, facilities, products and
5 processes that have been identified as posing
6 the greatest risk to animal and human health.

7 Going into the second subpart of
8 Component 4, which is enforcement, FDA has a
9 variety of enforcement options that are indeed
10 available to them. Regulatory enforcement
11 often focuses on voluntary compliance with the
12 law and regulations; however, when voluntary
13 compliance and education are successful, the
14 agency must use a variety of enforcement
15 options that are at their discretion. These
16 would include warning letters, untitled
17 letters, criminal penalties, withdraw from
18 distribution orders, et cetera.

19 Moving into the identified gap
20 section, there were three gaps identified, with
21 Gap 1 being establishing priorities, Gap 2
22 encompassed on-farm manufacturing in the
23 transportation sector, and the third gap
24 identified was inspector training. To discuss
25 each one of those gaps in detail in the current

1 regulatory oversight program, the agencies have
2 established priorities for inspections under
3 BSE inspection program based on a combination
4 of risks.

5 In -- Most of us are probably not
6 aware of the next point, but CVM is currently
7 developing a risk-based inspection approach for
8 other feed-related inspections, and this is not
9 expected to be completed until FY 2006. To
10 discuss this just a little bit further, a
11 committee within CVM was charged, in 2004, of
12 developing a risk-based method for determining
13 the feed products, processes and/or facilities
14 that presented the greatest risk to animal and
15 human health. In CDER, the Center for Disease
16 (sic) Evaluation and Research, has just
17 developed their risk-based model for
18 prioritizing GMP drug inspections that occurred
19 in September of 2004.

20 It's important to note that a member
21 of the Animal Feed Safety System, Abraham
22 Kamara (phonetic), is also one of the
23 individuals working on CVM's risk-based
24 inspection system, and he works to ensure that
25 CVM's risk-based inspection approach for

1 inspector -- for inspections will be the same
2 or similar to the Animal Feed Safety System
3 risk-based approach.

4 For the eight major compliance
5 programs that's gonna be encompassed in that
6 system for CVM, it includes drug preapproval
7 inspections; drug GMP inspections; drug
8 post-approval inspections; the medicated CGMP
9 inspections; the BIMO, or the bioengineered
10 inspection and monitoring inspections; BSE feed
11 contaminants; and residues for drugs,
12 pesticides and tissues. I mean dioxin.
13 Identified Gap No. 2, Subpart A, again, was the
14 on-farm component.

15 As of today, regulatory oversight is
16 focused principally on the commercial-medicated
17 feed industry, even though there has been a
18 major shift to on-farm production of feed. In
19 fact, a lot of the on-farm integrated, if you
20 will, operations produce a lot more feed in
21 their facilities than do most commercial
22 manufacturers.

23 The Animal Feed Safety System Team is
24 developing a more comprehensive regulatory
25 approach that will cover all aspects of the

1 animal-feeding industry, including
2 transporters, mixer feeders and livestock
3 producers. Next.

4 Subpart 2, where -- identified Gap 2,
5 Part B, and -- is the transportation component.
6 Part of the recent GAO report issued on the BSE
7 identified the transportation sector as being a
8 major area of concern. The Animal Feed Safety
9 System Team would indeed like your thoughts and
10 ideas on how to deal with this potential
11 cross-contamination issue.

12 Recently -- it was in December of
13 2004 -- the Department of Transportation Act of
14 1990, there was a notice of proposed
15 rule-making published, which dealt with the --
16 safeguarding food from contamination during
17 transportation. Basically, just to summarize
18 that, the Department of Transportation said
19 that all transporters will need to comply with
20 applicable regulations set forth by USDA and
21 FDA, so basically, they passed the buck to
22 you -- to FDA and USDA.

23 Our last identified gap was inspector
24 training, and we are definitely seeking input
25 from all stakeholders such that we have the

1 most knowledgeable and proficient inspection
2 staff possible. The AFS (sic) should provide a
3 program to ensure the competence and
4 proficiency of all regulatory inspection staff,
5 and this would include both FDA and state
6 inspectors. Questions?

7 FEMALE VOICE: No questions?

8 (Inaudible.)

9 DR. GRABER: We'll take a
10 question for Steve now that he's sat down. We
11 got a few minutes. Hold on. Get -- Pass the
12 mike up here, Sharon.

13 MR. BRIGHTSMAN: John Brightsman
14 from Pennsylvania. I have a question for
15 Steve, as far as -- You mentioned there are
16 regulatory enforcement tools that FDA have
17 (sic). Is that a gap? When you mentioned
18 that, is that a gap, or is that something --

19 DR. TRAYLOR: That's not
20 necessarily a gap. It's just how we implement
21 those gaps on the enforcement side. We are --
22 We're trying to incorporate into this system an
23 enforcement component, and those are the tools
24 that they have available. Should we have other
25 tools available to us from --

1 MR. BRIGHTSMAN: Well, is that
2 something that should be discussed in the
3 breakout?

4 DR. TRAYLOR: That's something
5 that really should be discussed in the breakout
6 groups.

7 MR. BRIGHTSMAN: Okay.

8 DR. TRAYLOR: Right. And
9 there's some questions that you will get that
10 will sort of lead you down that path.

11 MR. BRIGHTSMAN: Okay. Great.

12 BREAKOUT GROUP EXPLANATION AND INSTRUCTIONS

13 BY GLORIA DUNNAVAN

14 MS. DUNNAVAN: We're gonna hang
15 on just a few more minutes. We want to give
16 you some really important instructions before
17 you leave today for a break and then lunch and
18 our breakout groups.

19 I'm Gloria Dunnavan. I'm the
20 Director of Compliance for FDA Center for
21 Veterinary Medicine, and part of the fun thing
22 with this meeting is I get to see so many of
23 you that I actually know or we talk on the
24 phone or we exchange e-mails. Thank you for
25 indulging me. I'm not able to stand for any

1 length of time.

2 I just want to go over some
3 instructions. This is a really important part
4 of the morning, because you'll end up in the
5 right place and get your questions if you
6 follow all the instructions.

7 So basically, just listen carefully
8 for a few minutes. Check your badge. Your
9 breakout group is included on your badge. It's
10 the little top line in your badge, so I hope
11 you all have those. If you didn't check in and
12 get a badge, you need to do that at the
13 registration desk, 'cause it's critical to know
14 your breakout group.

15 The location of the breakout group
16 meeting are (sic) included in your packet.
17 There's a map. I don't have, actually, a
18 packet with me, but am I right? There is a
19 map, and the breakout groups are listed. So
20 it's a -- not a huge hotel. Oh, here we go.
21 It'll look like this for those of you in the
22 front. This is not a huge hotel, so I think
23 you should be able to find it.

24 Lunch is gonna be served at noon, so
25 you're gonna have some time, between now and

1 noon, to, you know, make those all-important
2 phone calls, read your e-mail, do some
3 discussion, take a smoke break, whatever you
4 need to do before lunch. This is a working
5 lunch, so your breakout groups are gonna be
6 sitting together at lunch, so you need to look
7 for your breakout group numbers on the lunch
8 tables.

9 And just so you'll -- Just to help
10 you out a little bit, breakout groups with the
11 letter "A" -- When you go to the Regency Room,
12 which is where we're having lunch, breakout
13 groups with the letter "A" will be going to the
14 right, and breakout groups with the letter "B"
15 are gonna be going to the left, and the tables
16 are marked, but this'll just help you get to
17 the good stuff quicker.

18 Each breakout group is gonna have a
19 facilitator. They stood up this morning, so
20 you'll, you'll know they're the younger members
21 of this meeting, and there'll be at least one
22 Animal Feed Safety System Team member in your
23 group. Some groups will have more than one,
24 but there'll be at least one, and our, our goal
25 in participating in the discussion is not to

1 twist your arm or sway you or influence you in
2 any way, but if questions arise, the team
3 member is there to help sort that out. And
4 actually, I think all the committee members
5 have a little red flag on their badge that says
6 "committee member" or "team member."

7 You are gonna receive a set of
8 questions, from your group facilitator, at
9 lunch, and you're gonna get all of the
10 questions. You'll get your groups, as well as
11 all the, the other groups. There are 12
12 groups -- 12 breakout groups. There's 1A, 1B,
13 2A, 2B. 1A and 1B will be dealing with the
14 same question -- same set of questions. 2A and
15 2B will be dealing with the same set of
16 questions. The only groups that are different
17 are 6A and 6B, will be dealing with two
18 separate sets of questions, just so you'll kind
19 of understand it when you're looking at, at all
20 of the questions.

21 And if you look on your agenda for
22 tomorrow's discussion, you'll see the names of
23 the different breakout groups, and they're
24 pretty much covering what we talked about this
25 morning, but let me just mention, there's a

1 breakout group on safe feed ingredients,
2 breakout groups on limits for feed
3 contaminants, one on risk and risk-ranking
4 model, one on process control, one on
5 regulatory oversight, and then the sixth group,
6 which is the one that'll have two separate sets
7 of questions, "How can AFSS help you?" So
8 those are our basic groups, and just be sort of
9 thinking about that.

10 Also, we like each group to cover as
11 many of the questions as possible. If you
12 don't get to all of 'em, it's okay. We like
13 you to try to take these questions in order,
14 but if you feel, as a group, that a particular
15 question is important and you'd like to work on
16 it, you know, out of the listed order, that's
17 fine. This is not, you know, gestapo here.
18 There's no wrong answers. You know, don't feel
19 limited. Don't hesitate to ask questions.
20 We're really seeking your input.

21 We are gonna have laptops available
22 to record the information from your flip charts
23 so they can be projected on the screen when the
24 group reports. And I did -- Although, it was
25 on my -- on my slide, I failed to tell you,

1 when you first get into that group, be sure you
2 select a spokesperson and a recorder before you
3 get started on the questions. That's a
4 critical thing, and your facilitator is
5 probably gonna emphasize that to you, also, but
6 once you've recorded the gist of your
7 discussions and your ideas for these questions,
8 you'll have flip charts to work from. Then
9 when you're finished, bring those flip charts
10 to the registration information table, and then
11 we're gonna have volunteers, this evening, type
12 the flip chart information onto the laptop so
13 we can project it on the screen.

14 I think that the size of this meeting
15 and the number of participants and the -- and
16 the room arrangement, it's really gonna be
17 difficult for you to see flip charts, so we're
18 hoping this will help.

19 And then tomorrow morning each group
20 is gonna report the results of their
21 discussion. Each group is gonna have 30
22 minutes, and when I say you have 30 minutes,
23 remember, there are two groups. The 1A and 1B,
24 for example, have the same set of questions, so
25 those -- That 30 minutes will be for both

1 groups to report.

2 And your leader for the discussion
3 tomorrow is Bob Wilson, and Bob will select,
4 you know, how he's gonna do the "A" and the
5 "B." I don't know how that will work out. The
6 only difference here is that Group 6A and 6B
7 will each have 20 minutes for their report
8 rather than a, a total of 30.

9 These are pretty basic instructions.
10 You heard some of 'em earlier this morning.
11 We're just telling you again, just sort of
12 remedial training, 'cause this is really
13 important and will help get us moving and get
14 to the heart of what we want at this meeting,
15 and that's to hear from you.

16 With that -- I'm having to take any
17 questions about the procedural things
18 otherwise? George?

19 DR. GRABER: Any questions? Any
20 comments? As Gloria mentioned, this morning we
21 tried to -- we tried to give you enough
22 background information so that the sessions
23 this afternoon would be productive, and we
24 certainly look forward to, to hearing the
25 reports tomorrow, but I'll be walking around

1 this afternoon, going to some of the groups.

2 I'm looking forward to hearing what you all

3 have to say.

4 With that, we're a little bit early,
5 but that's fine. We'll -- Again, we'll convene
6 at, at noon for lunch, and the Regency Room is
7 sort of back down towards the, the register for
8 the hotel and then down the hall, back towards
9 the -- out where the elevators are, and hang a
10 right, I think, at the second bank of
11 elevators, and the room is sort of by the pool,
12 where the pool is. If someone knows a shorter
13 dis -- a shorter way, fine. Otherwise, that's
14 the way to go. Okay. We'll see you at noon.
15 Thank you.

16 APRIL 6, 2005

17 ROBERT WILSON, MODERATOR

18 MR. WILSON: Start moving to
19 their seats, and we'll try to get started here
20 a little on time. Maybe a little early, even.
21 I do have one announcement to make about the
22 taxicab rides to the airport. It's my
23 understanding that the taxicab ride is a flat
24 rate, \$25.05, one, two or three people, however
25 many people go, so just for your information.

1 Good morning, I'm Bob Wilson. I'm
2 the moderator for today's session, and what
3 we're going to be doing is, is the
4 presentations from our breakout groups
5 yesterday. As you can see from the schedule,
6 we've got a half hour scheduled for both Group
7 A and B, except for group 6, which each have a
8 half hour -- or they have 20 minutes each.

9 What we're going to do is, the first
10 presenter for a group will have 20 minutes, the
11 second presenter for the group will have 10
12 minutes to give their presentation, and
13 hopefully, just cover the, the areas that are
14 different or, you know, if they concur with an
15 area, just so we don't have a lot of
16 redundancy, move through it quickly. So it's
17 gonna be kind of my decision who goes first and
18 who gets 20 minutes and who gets 10.

19 So what we'd like to start with is
20 Group 1, and the -- We'll start with Group A,
21 and they'll have 20 minutes to present -- make
22 their presentation, and it's my understanding
23 the reporter for Group A is Bruce Arentson from
24 Kent Feeds. Bruce, you have 20 minutes.

25

1 BRUCE ARENTSON, GROUP A

2 MR. ARENTSON: 20 minutes?

3 Well, I can see the clock down there, so
4 hopefully I won't go over 20 minutes.

5 My name is Bruce Arentson, and I
6 work -- do work for Kent Feeds. Good morning,
7 and we'll try to work through this this
8 morning. First of all, I want to say my
9 comments this morning are, are my comments, and
10 even the comments I make doesn't mean that I or
11 my company endorse this whole endeavor. I
12 may -- I may bias what our committee decided,
13 but I have the microphone and they don't,
14 so . . . We'll build a foundation, hopefully,
15 this morning, at least in my presentation, and
16 then either we'll crumble today or others will
17 build on it.

18 Well, we had a question -- or --
19 Group 1, and the first part of our presentation
20 -- or questions had to deal with the
21 definitions of "comprehensive," and as you
22 remember, there are, I believe, if I have the
23 -- eight points to the definition of what
24 "comprehensive" means, and we were asked: What
25 parts of the definition do we agree with? So

1 we decided to go down through, point by point,
2 those eight different points, and determine
3 whether we agree with these -- definition of
4 "comprehensive."

5 The first one had to do with: Does
6 it apply to the whole range of feed products,
7 including all ingredients and finished feeds?
8 And we typically agreed with that statement,
9 that if we're gonna do comprehensive, it has to
10 include all finished feed and ingredients.

11 No. 2, the use of ingredients
12 approved and/or recognized by an established
13 regulatory agency or entity whose members are
14 charged with the responsibility of enforcing
15 laws, regula -- regulating the production,
16 labeling and distribution or sale of animal
17 feeds, and we probably have up there, I
18 believe, disagree with that at Point 1, if you
19 just go down there, and we'll talk about more
20 of that when we get down to the "disagree"
21 section.

22 No. 3, cover -- had to do with cover
23 the range and variety of facilities involved in
24 animal feed over production, and there was
25 really a lack of consensus on this particular

1 statement, and we'll cover that when we get
2 down to "disagree."

3 No. 4, have the flexibility to be
4 process- or product-oriented, depending on the
5 situation. Again, there was probably some
6 disagreement, and we'll talk more about that
7 when it comes down to the disagree part.

8 No. 5, address feeds produced for
9 food or nonfood animals, and we pretty much
10 agreed with that as, as written, and if you're
11 gonna have a comprehensive program, it had to
12 be both food and nonfood animals.

13 No. 6, cover all known hazards and
14 can be applicable to hazards not identified.
15 We didn't have a lot of agreement on the way it
16 was written there, and we won't cover a lot in
17 this section on that, and I'm sure others have
18 a lot more to say about that today.

19 Address both human and animal health
20 issues. We agreed with that, that both human
21 and health (sic) issues will have to be in part
22 of the "comprehensive" definition.

23 And knowledge and coordinate
24 regulatory authorities at all level (sic),
25 including local, state, tribal and federal,

1 involved in safety. If it's gonna be
2 comprehensive, all regulatory agencies are
3 gonna have to be involved.

4 Then when it comes down to
5 disagreement, what parts of the definition do
6 we disagree with, we come to the first point,
7 which had to do with the feed products and so
8 on. We, we agreed with that. We didn't have
9 any disagreements.

10 No. 2, the use of ingredients
11 approved and/or recognized by established
12 authority. I guess we had some difficulty in,
13 in getting our handle on this part of the
14 definition of who -- It's written, I guess, as
15 a committee. It's written kind of broad, and
16 we didn't all have agreement on this particular
17 one.

18 And then No. 3 had to do with the
19 complete range and variety of facilities
20 involved in animal feed production. We had
21 difficulty understanding what the range and
22 variety of facilities are and what "animal feed
23 production" means. We need to be more precise
24 in that definition. That's our thinking as a
25 company.

1 No. 4 had to do with the process- or
2 product-oriented, and I guess we'll deal with
3 that and address that later, and others, of
4 course, will have a lot more to say about that.

5 No. 5 addresses feeds produced for
6 food and non -- nonfood animals. No
7 disagreements on that. We agreed with that.

8 No. 6 had to do with cover all known
9 hazards. We need to define what "hazards" are.
10 We really believe they need to be
11 science-based. We talked about adding "all
12 known hazards" and "reasonably likely to occur"
13 as maybe some better wording to put in that
14 question.

15 And No. 7 and 8, we both agreed with,
16 so we'll go on to our third question, was to
17 differentiate between process-oriented approach
18 and product-oriented approach, and we didn't
19 spend a lot of time on this. We were just
20 asked to at least give our thinking on what a
21 process approach would be, where testing is
22 performed using GMPs, or good manufacturing
23 practices, or SOPs performed, and that's all of
24 the approach or all the talk that we had about
25 that, and I'm sure others will address that

1 later today.

2 Product. Basically, we're looking at
3 the final product and determining whether it
4 meets the specs on the guarantee, whether
5 labeling is correct and so on. So there is
6 some differences, and we didn't go much further
7 than that in our group.

8 No. 4 question was: Does the
9 proposed definition for "comprehensive" contain
10 any gaps? Is it too broad? You would -- If
11 you would answer yes to either question, please
12 explain why. And again, we kind of went
13 through each point individually, and No. 1, we
14 didn't see any gaps. No. 2, we used -- the
15 word "entity" is used to refer to mem -- or
16 whose members are charged with the
17 responsibility of enforcing laws, regulating
18 the production and so on, and again, we think
19 that is too broad as a group. Our just -- Our
20 group had difficulty understanding exactly what
21 we were referring to. Would it mean that the
22 foreign regulatory agencies wouldn't be
23 involved, or is AAFCO excluded? And as a
24 group, we had difficulty understanding this
25 particular point, and that's the bottom line.

1 No. 3 refers to a complete range and
2 variety of facilities involved in animal feed
3 production. Again, the gap and the definition
4 of "what is a facility" needs to be better
5 defined about what animal feed production is,
6 and would -- Does that mean that the crops in a
7 field would be included? How do you define
8 these firms? How do you incort transporta --
9 incorporate transportation? So we think it
10 needs to -- It doesn't refer to any sort of
11 transportation, so that needs to be involved,
12 and just the little better definition of
13 "animal feed production" probably needs to be
14 involved in there. That's the consensus or
15 some thinking in our group.

16 Process or product control in No. 4,
17 who makes that decision of whether you use
18 product or process control, and when it says
19 "depends on the situation," what does that
20 mean? Does the regulatory agency make that
21 decision, or does the facility make that decision?

22 No. 5, we didn't see any gaps in
23 that.

24 No. 6, it talks about all known
25 hazards and applicable to hazards not yet

1 identified. Again, we, we disagreed with this.
2 We think there needs to be some better
3 understanding of what the hazards are. We
4 think they should be science-based. All known
5 hazards -- We, we just had trouble believing --
6 or understanding the "all known hazards yet to
7 be identified" and including a huge, inclusive
8 statement like that. I think that probably is
9 what the committee was thinking when we talked
10 about that.

11 Nos. 7 and 8, we really didn't see
12 any gaps in that. I guess we just question --
13 We think that a big gap would be the, the
14 ability for the regulatory agencies to, to
15 have -- to regulate a comprehensive program or
16 to implement and enforce a comprehensive
17 program. We think that's a huge gap that needs
18 to be determined or figured out or, or --
19 before we continue on and write a new program.

20 And then we go on to Question 5. We
21 have identified one gap in Component 1, which
22 is -- which refers to the ingredients, and our
23 Question 1 is: Do you agree with the
24 identified gap? And the gap in the Component 1
25 of the program has to do with AAFCOOP, a

1 nonfederal listing as a source of information
2 on permitted ingredients and additives in
3 animal feeds, and there is really nothing that
4 pulls FDA and AAFCO federal listing together
5 and holds 'em together and bind -- There's no
6 binding statement.

7 So there is a thinking that there
8 needs to be a compliance policy guide written
9 such that there is a guide to FDA people saying
10 that -- as I understand it, The -- We -- We're
11 okaying the AAFCO listing. And we would agree
12 to a policy guide and recommend a policy guide
13 versus a regulation of some sort.

14 Getting back to the question: Do you
15 agree with the identified gap? Yes. And why?
16 From a regulatory standpoint, probably be a
17 good idea.

18 Another gap that we see in Question 5
19 is that there needs to be availability of the
20 OP to more people. That was brought up several
21 times. There were several people that didn't
22 have an OP and didn't know necessarily about
23 the OP, so -- We just think that, that the
24 availability, especially of ingredient listing,
25 needs to be widely distributed.

1 There needs to be some transparency
2 for new approvals of ingredients so that the
3 public knows what's going on. There was some
4 thinking that not everybody understands the
5 process or realizes the process that's going on
6 or knows that there's a new ingredient, and so
7 there needs to be more publicity about that,
8 maybe through Websites or, or mailings or
9 something to that effect.

10 Going on to Question 6: Do you agree
11 with the identified gap? Why? And then 7 and
12 8, during the last part of here -- our section
13 here, what we have written up here, I think we
14 kind of put everything into one, so it's a --
15 I'll just read the questions and then we'll go
16 through what I have up here. What gaps have we
17 missed, and what solutions do you recommend to
18 fill those gaps, were our two remaining
19 questions. And then we'll just talk about some
20 of the things that we have written up here.

21 Again, getting some of the
22 acceptability of the human food grass
23 ingredients, there was some talk in our group
24 that some of the ingredients used for humans
25 are not accepted for the animal sector, and

1 even that process is not defined of how that
2 can take place, and so there was some feeling
3 that we should have a process that's kind of
4 outlined and defined so that we -- people,
5 companies, know how that takes place. One gap
6 is, if you do get a new ingredient approved,
7 there's no market protection for that feed
8 ingredient. Others can market that same feed
9 ingredient.

10 We need to have the regulations
11 written, easily acceptable -- or accessible to
12 everyone. Sometimes they're not especially --
13 if -- And I think -- Scroll down to the next
14 one, and -- next page, and then I think we'll
15 be done. Sometimes -- I think -- I got to
16 think back to see what we were thinking about
17 this, but one thing I think we brought up in
18 our group was that if we're to have a new
19 program, it needs to be accessible to any --
20 everyone and understandable by everyone.

21 Now, if -- Even if you look at the
22 present written program, and there are a lot
23 of -- lots of different informational pages,
24 Websites, the CFR, the AAFCO, and for someone
25 new or someone that doesn't work in this arena

1 every day, it's very confusing and very
2 overwhelming. So if it's gonna be
3 comprehensive and we're gonna include a lot of
4 different people in the comprehensive
5 regulatory program, it has to be simplified,
6 has to be readily accessible to everyone, and
7 they have to be able to understand what they
8 need to do in their particular program.

9 With that, I think I'll quit and give
10 the podium to Group 2A.

11 MR. WILSON: (Inaudible) B.

12 MR. ARENTSON: 2B?

13 MR. WILSON: 1B (inaudible).

14 MR. ARENTSON: 1B.

15 MR. WILSON: (Inaudible.) Just
16 before 1B -- As they're making their way up, is
17 there anyone in Group 1A that would like to add
18 anything? We have the microphones available,
19 if you would. It's very good on time, by the
20 way. Excellent. Elwin (phonetic)? All right.
21 The spokesperson for the re -- or reporter for
22 Group 1A -- or 1B is Sara Blodgett?

23 MS. BLODGETT: Yes.

24 MR. WILSON: All right. I
25 didn't ask you your name.

1 SARA BLODGETT, GROUP 1B

2 MS. BLODGETT: Good morning.

3 I'm Sara Blodgett, and I am with Farmers Coop
4 out of Farnhamville, Iowa, and I'm the reporter
5 for 1B, and we had a lot of similar comments
6 that 1A had. For Question No. 1, what do we
7 agree with? We agreed with No. 1, 4, 5, 7 and
8 8 as written. We didn't have any changes or
9 differences with those.

10 For Question No. 2, what parts did we
11 disagree with? Items No. 2 and 3, we thought,
12 were rather broad, and we needed to add the
13 entities of storage, transportation and use on
14 No. 2, and we needed to add storage,
15 distribution, transportation and use to No. 3,
16 because those entities are just as important as
17 the ones that were mentioned and play an
18 integral part, also.

19 The next one that we disagreed with
20 was No. 6, and we thought that that was too
21 broad, because it just says "all hazards and
22 unidentified hazards," and we thought that it
23 needed to say -- be further defined as hazards
24 that are science-based and reasonably likely to
25 occur.

1 For Question No. 3, we had a lot of
2 discussion on this, and I don't know if we
3 necessarily came to any specific conclusion as
4 to how they should be defined, so what we
5 decided was that each entity needs to have its
6 own plan of how to get to a safe end product,
7 and the key to the process-oriented and
8 product-oriented was mainly that we have a safe
9 end product at the end, and we didn't have any
10 specific definition for each of those.

11 Question No. 4. The gaps, as I
12 mentioned earlier, we referred back to Items
13 No. 2 and 3, where we thought we needed to add
14 the transportation, storage, distribution and
15 use to those.

16 And too broad was Item No. 6, where
17 we needed science-based and reasonably likely
18 to occur so it wasn't so broad and open-ended.

19 Question No. 5, which was: Do you
20 agree with the identified gaps and why? We did
21 agree with the identified gap. We also
22 disagreed, as you will see in the next
23 question. The reason that we did agree was
24 that the CPGs would formalize the understanding
25 between FDA and AAFCO, which we felt was

1 important, and No. 6, why we disagreed, is that
2 our group thought that we would prefer a CPG to
3 a regulation. They felt that a regulation has
4 the potential to be a significant regulatory
5 burden, so they would prefer that we just stay
6 with a CPG than set up specific regulations.

7 No. 7, what gaps have been missed?
8 No. 1, we thought that, currently, there is no
9 mechanism for evaluation and reviewing the
10 grass substances to be used as feed
11 ingredients, and secondly, we also believed
12 that, currently, there is no rapid, validated,
13 inexpensive test for certain hazards, so we
14 need to get those created.

15 And No. 8, what solutions do we
16 recommend to fill the gaps? Our group
17 recommended that the grass notification
18 proposal be implemented.

19 And that's all we have, unless
20 somebody in my group has something to add.

21 MR. WILSON: Is there any
22 questions of Group 1? No one has any questions
23 of Group 1 or anything like that? Very good
24 presentations, no questions. All right.

25 Continuing on Group 2, I'd like --

1 Let's switch and have 2B reporter be the
2 primary reporter for this, this group, and that
3 would be Michael Davidson, I believe, and then
4 2A -- He'll have 20 minutes, and then group 2A
5 will have 10.

6 MICHAEL DAVIDSON, GROUP 2B

7 MR. DAVIDSON: Morning. I'm
8 Mike Davidson. I'm with the Republic of
9 California Department of Food and Agriculture.
10 Our group was, was looking at the limits for
11 animal feed contaminants, and the -- It was
12 pretty much agreed upon in the group that this
13 is gonna be a -- quite a daunting task to do
14 risk assessments for all potential hazard
15 contaminants, and basically, the, the first
16 question: What gaps do you agree with? This
17 is pretty much consensus throughout the group:
18 As long as it was science-based -- And they
19 felt that on the -- Oh, thanks. Hmm. They
20 felt that it needed to complete the risk, risk
21 assessments before attempting the second part,
22 with developing methods for analyzing these
23 things.

24 The, the other thing was that we felt
25 that it -- there needs to be some clarification

1 on the third question, and basically, it was
2 about -- A lot of this really -- The group felt
3 that the key component was prevention through
4 biosecurity, but that the AFSS system would be
5 put in place after an exotic animal disease is
6 diagnosed, and then the Feed Safety System
7 could work on tracing back feed.

8 Then: What gaps do you disagree
9 with? On -- There needs to be training.
10 Levels need to be established, by a regulatory
11 agency, on the, the hazardous contaminants, and
12 then these standards need to be reviewed
13 regularly, not just left in place forever. And
14 then the standards need to be realistic. If
15 you can't -- If the background levels are the
16 same as the minimum standards, it's -- and you
17 put the industry in a possible situation, they
18 felt that that's just totally unrealistic, and
19 based on science, again.

20 Then again, the, the third point,
21 again, as -- I'm repeating myself -- that on
22 a -- If there was exotic animal disease, the
23 best medicine would be prevention in the form
24 of biosecurity.

25 What, what gaps have we missed? On

1 the first point, the risk assessments must be
2 species specific where appropriate, and that
3 was identified, a couple of comments,
4 yesterday.

5 And then the second point on, on the
6 analysis of hazardous contaminants, that it
7 felt like the -- all the laboratories that --
8 should be identified, they were capable of
9 analyzing hazardous contaminants, and that
10 these would be available for industry and
11 producers so that if anybody had a problem on
12 an on-farm mixer situation, they had a lab that
13 they could go to, and then the, the limits that
14 the lab was capable of doing should be
15 identified, and also, have a listing of labs
16 that had a specific matrix. In other words, if
17 they can analyze liquid feed for a specific
18 contaminant, for example.

19 Some of the solutions that we had to
20 fill the gaps -- This is gonna be -- The risk
21 assessments are gonna be, like I said, a very
22 daunting task, and it should be a cooperative
23 effort between federal, state, academia and
24 industry groups, and also, because of the
25 global economy, that we should consider

1 international standards, and then the
2 laboratories need to be certified by type of
3 analysis. Improper information or false
4 reporting of a hazardous contaminant was felt
5 to be highly destructive, and we wanted the
6 results to be -- or the labs to be certified
7 that they are capable of -- and they have the
8 quality assurance steps in place. And then
9 this was kind of a pipe dream, but unlimited
10 research funding, and what the group said was,
11 Well, if you don't ask for it, you know, you
12 can't get it.

13 Anyway, the -- On the -- Question 5,
14 did we explain clearly enough? There was a lot
15 of discussion, but the consensus was no, and
16 what was confusing, there was -- it was never
17 established at what level -- where risk is
18 regulated, and the -- One of the things that
19 they felt would be helpful is an example of how
20 -- something that's currently regulated, how
21 that risk was established and what the steps
22 were, and just a couple of examples for people
23 to understand what to expect from this
24 risk-based assessment of hazardous
25 contaminants. So if we could have gone through

1 and better explained how this whole process
2 was -- is likely to work in the future based on
3 the things that FDA has done in the past.

4 Question 6: Do you think AFSS should
5 use risk-based? And the answer was yes. What
6 other approaches should we consider? There,
7 there was considerable discussion on
8 record-keeping and complaint files, recalls and
9 whatnot, but based upon our part of the
10 program, the limits, we didn't have any other
11 recommendations.

12 Is the new risk-based definition more
13 understandable? Yes. The only -- We felt that
14 the second definition on that single page was
15 much more clear and that -- It -- It's this
16 single page in your packet, "Definition of
17 Risk-based." The only thing that we added
18 was -- On the bold portion in the middle of the
19 paragraph, where it says "animal and human," we
20 added "animal and/or human exposure."

21 And that was -- that was pretty much
22 it. Does anybody from 2B have anything to add?
23 Thank you very much.

24 FEMALE VOICE: (Inaudible)
25 question.

1 MR. DAVIDSON: Yeah.

2 FEMALE VOICE: What do you mean
3 by "prevention" (inaudible)?

4 MR. DAVIDSON: "Prevention
5 through biosecurity"? Well, they were just --
6 The question is: What do we mean by
7 "prevention through biosecurity"? Well, the,
8 the Point 3 was about how AFSS could assist in
9 the event of an exotic animal disease, and we
10 felt that there should be -- On the on-farm
11 mixing and many feed-manufacturing locations,
12 the accessibility to these locations by
13 unidentified people was a very common practice,
14 and so whether it was intentional or somebody
15 bringing pathogens from one location to the
16 other, that the prevention of something like
17 that is the key and that, really, you're not
18 gonna be able to test for exotic animal
19 diseases in feed, on a regular basis, that you
20 would respond after it was diagnosed. Does
21 that answer your question?

22 FEMALE VOICE: Yes.

23 MR. DAVIDSON: Okay. Do you
24 want a microphone?

25 FEMALE VOICE: I think with the

1 experience -- with the experience that you've
2 had in California with some of the exotic
3 animal diseases, you probably have a little
4 more sensitivity than, than, maybe, some of
5 your counterparts, but what I'm understanding
6 is that, that when you mention prevention in
7 the form of biosecurity, you're talking about
8 limited access --

9 MR. DAVIDSON: Cor --

10 FEMALE VOICE: -- as one factor?

11 MR. DAVIDSON: That's correct.

12 And, you know, the -- Any, any vehicles or
13 people that are exposed to where livestock are,
14 that they be sanitized before they go from one
15 location to the other.

16 MR. WILSON: Do we have any
17 other questions? Okay.

18 And the presenter for Group 2A, Amy
19 Wesley.

20 AMY WESLEY, GROUP 2A

21 MS. WESLEY: Good morning. I'm
22 Amy Wesley, and I'm with Murphy-Brown's out of
23 Algona, Iowa.

24 Our group took a different approach
25 on answering these questions. We've lumped

1 Question 1 and 2 together if we agree or
2 disagree on the gaps that were presented in the
3 framework. As discussion started, Greg did a
4 good job of, of paraphrasing everything, and we
5 didn't say yes, we agree or disagree. These
6 are the comments that came out, questions. We
7 were all, I think, trying to grasp how the
8 model was gonna work, how the components were
9 gonna be put together, and so these are the
10 comments and opinions and questions that we had
11 as a group.

12 Do we agree or disagree with Gap 1?

13 And I -- You can refer back to the framework
14 document for Gap 1. We thought we needed to be
15 cautious when using the word "potential" and
16 "potential" hazards, biological, chemical and
17 physical contaminants. What is really meant by
18 the word "potential"? We wanted to be sure we
19 rely on science-based data when making the
20 regulation or decisions.

21 Must be con -- be a consensus about
22 the methodology used when measuring and qui --
23 quantifying risks. Be careful about using risk
24 models for which there is not significant
25 scientific consensus.

1 One firm had linked the factors of
2 HACCP program. HACCP was passed back and forth
3 in our group discussion yesterday. When adding
4 animal risks and human risks, we had to be
5 really careful on what control points need to
6 be looked at.

7 Will the risk ranking for animals and
8 humans be separate? These are questions that
9 came out that we wanted to understand how this
10 was all put together. If combined, the agency
11 needs to develop a consensus about weighing
12 human and animal risks. How much is a human
13 death worth compared to an animal death?

14 Is -- The risk-ranking model, should
15 it be able to be used and tested by the
16 industry, as well?

17 And where this next comment came
18 from -- I don't remember it being written down.
19 If it looks like HACCP, smells like HACCP and
20 sounds like HACCP, it is HACCP. And if there's
21 questions, we can refer that back to the rest
22 of the group.

23 FDA does not appear to be focused on
24 HACCP for this risk-assessment model.

25 Can information or approaches be

1 used -- in the Harvard BSE Risk Assessment, be
2 useful for the AFSS risk model? Is there other
3 risk models out there that need to be looked at
4 to, to bring back and help put this model
5 together?

6 Gap 2, these are the comments that
7 we -- they agree/disagree, the comments that
8 came out of that: Availability of effective,
9 inexpensive and reliable testing methods is
10 crucial. Industry may need to help develop
11 some of these methods. And will the FDA will
12 be likely (sic) -- not be able to develop all
13 of the methods that, that are needed for this
14 testing?

15 Gap 3: Historically, FDA has played
16 a limited role in these matters. How does this
17 fit the "F" -- Gap 3: How does this fit into
18 the "F" -- the AFSS? How do agroterrorism
19 risks compare to the usual feed contaminant
20 risks? What contaminants' agents' hazards has
21 the FDA identified for agroterrorism? If FDA
22 uses something other than exposure to rank
23 these risks as agroterrorism agents, what will
24 it use? What are the facilities, processes or
25 product risk factors associated with the

1 vulnerability of agroterrorism risks? How will
2 these risks from products produced in other
3 countries be evaluated for agroterrorism risks,
4 particularly if the FDA relies on process
5 control model and doesn't have access to the
6 plants in other countries? So we went outside
7 the realm of what we do here, but how can we
8 control what's coming into the country, as
9 well?

10 How will the risks from products
11 produced -- Whoop, got that one already.
12 Sorry.

13 Question 3: What gaps have, have we
14 missed? We thought there needed to be more
15 emphasis and explanation, and perhaps in the
16 models, in how it's gonna handle imports.

17 Even when science-based decisions are
18 made about feed safety, we -- can we have the
19 WT -- what problems can we have with the WTO on
20 science-based decisions? Process-based
21 controls are more difficult to enforce for
22 imports. Risk systems must look at entire
23 supply food chain, chain for feed and not focus
24 on only the segments of the feed industry. It
25 also should be more explicitly defined in terms

1 of processing steps.

2 What can be modified, the original
3 risk scores, for ingredient hazard pairs? So
4 we kind of wanted to get away from more
5 focused, and some of the statements was
6 focusing on feed aspects, but we need to
7 incorporate the whole chain of transportation
8 ingredients and the whole process in how things
9 are worded so it includes the whole realm.

10 Will regulations be applicable to
11 farms? Will risk assessment consider some
12 risks are industry-segment-specified or
13 species-specified?

14 To what extent does the AFSS consider
15 or address the issues of ingredient
16 traceability? International sources of
17 ingredients may pose particular problems with
18 reg -- with regard to traceability.

19 How does the AFSS consider the
20 response time needed to prevent an emergency
21 situation from becoming a crisis? Do we need
22 to take 10 days before we realize there's a
23 problem, and by that time, there's product
24 halfway across the world, or what's that time
25 frame that needs to be established?

1 We need a clear information on
2 limits. For example, if there's a dioxin limit
3 of 10 parts per million, what will the agency
4 do if a sample tests 15, a hundred or even a
5 thousand? What does the agency expect the
6 industry to do in each of these situations? We
7 kind of want a specified outline of: If we're
8 over the limit that may be set, what do we need
9 to do?

10 FDA needs to link risk ranking/risk
11 assessment with regulatory actions. How will
12 FDA approach working with on-farm
13 transportation and other parts of the food
14 supply -- the food supply and FDA does not --
15 that they don't regulate now? Will guidance
16 levels or action levels be set for some limits?
17 Will the risk-assessment method -- What will
18 the risk-assessment method be when setting such
19 limits? Will it differ from the method that's
20 used to rank these for the AFSS?

21 Question 4: What solutions do we
22 recommend to fill these gaps? Go out and
23 utilize trade association, universities and
24 private industry feed safety programs that can
25 be used to help set up these models and

1 resource for the agency. FDA should attempt to
2 secure funding to develop testing for methodology
3 -- for methodology, and that will be a long
4 shot, as was mentioned earlier. Very expensive
5 to develop those tests. FDA will be able to
6 develop validation guidelines for the industry
7 to set up methodology processing. FDA should
8 search globally for technological innovations
9 that may influence risk, and will the FDA
10 become more efficient through implementation of
11 the AFSS? are questions that were posed.

12 Question 5: Did they explain clearly
13 enough how we plan to use the risk information?
14 We wanted to see an example of how that risk
15 model is gonna work before it either, "A," goes
16 into regulation or becomes a suggestion.

17 Show what happens to the risk ranking
18 when some changes -- when you change some of
19 the assumptions to the risk model. Make sure
20 clear definitions for each category of the
21 sources, ingredients and processes are
22 provided. Will expectations about resources
23 change if the AFSS is implemented? And how
24 will the AFSS affect the current feed
25 ingredient approval process?

1 Question 6 was -- It's not listed on
2 my paper. How would you -- That's not even our
3 question. Sorry. Turn it over. Do you think
4 the AFF -- or the AFSS should use risk-based
5 approach to determine which feed contaminant
6 needs to be reduced, eliminated or controlled
7 in the feed and feed ingredients? Any
8 scientific-based (sic) approach include risk
9 assessment and should be okay, is the group
10 consensus on that one.

11 Programs should keep in mind
12 potential media usefulness and reaction and
13 develop, and any approach used is effective.

14 Information guidance to provide any
15 agency may be useful, but if the guidance is a
16 requirement in sheep's clothing. Now, I don't
17 remember this one coming up either, but -- It's
18 good as it's given in guidance, but once it
19 becomes a regulation, everyone thinks on it
20 differently.

21 How will the AFSS be modified as we
22 move forward? Will there be other
23 opportunities for public comment? Will the
24 model and the AFSS system be designed to permit
25 easy modification as environments and risks

1 change? Will FDA continue to evaluate data
2 affecting safety and risk? Will periodic
3 review of the data used in the model be built
4 into the AFSS?

5 The last question, which didn't make
6 this: We have modified the definition of
7 "risk-based." Is the new definition more
8 understandable? I believe our group agreed
9 that it was more understandable. One comment
10 that, that I can remember is that it needs to
11 include and state both feed and feed
12 ingredients to kind of cover the whole realm.

13 These are the comments and questions
14 that we had when we discussed these questions,
15 and anybody that has comments about this
16 component, feel free to fill out one of those
17 comment cards in the back.

18 MR. WILSON: Then we continue
19 on. I think we're up to Group 3A, and the
20 reporter is Blaine Hull.

21 BLAINE HULL, GROUP 3A

22 MR. HULL: My name is Blaine
23 Hull, and I am a reluctant spokesperson for our
24 group. My thanks go to Heidi for recording all
25 this information down and the nameless

1 volunteer that typed it up on our sheet last
2 night.

3 We centered most of our efforts on
4 the gap for Component No. 3, and I'll read that
5 just -- I'm sure most of you have it
6 memorized -- this is exciting reading -- but
7 for those of you that don't, follow along.
8 Currently, the FDA has regulations that govern
9 the controls used in the manufacturing,
10 packaging, storage and use of medicated animal
11 feed; however, to have a comprehensive Animal
12 Feed Safety System, a broader regulatory
13 approach may be required to address feed safety
14 concerns associated with the manufacture,
15 packaging, storage, distribution or use of
16 nonmedicated feed ingredients in mixed feed.
17 The AFSS team intends to consider the
18 information gleaned from the public meetings
19 and from responses to the materials placed in
20 the AFSS docket in its development in -- of
21 process-control approaches.

22 We had eight questions, and I haven't
23 seen this, so I'm gonna go just off what I
24 remember us discussing, and then those of you
25 who feel that's not a true representation of

1 what we talked about can stand up in a second.

2 Questions 1 and 2 were problematic
3 for us because of -- Do you agree with the
4 identified gap? Yes, we agreed that there was,
5 in fact, a gap. Do, do you agree with the
6 identify -- Do you disagree with the identified
7 gap? Yes, we do, and the exception that we
8 took was to the second -- the second line,
9 which states: However, to have a comprehensive
10 Animal Feed Safety System, a broader regulatory
11 approach may be required to address feed safety
12 concerns. We had -- We had a difficult time
13 with the regulatory part of that concern.

14 We, we recognize that there is a gap,
15 of course, between some facilities. Those of
16 us who are highly regulated would like the rest
17 of you to share in that joy, I think was the
18 consensus, really. Either that, or those of us
19 who are currently feeling the joy would like to
20 stop that, depending on, on, on that. That's
21 good.

22 The FDA currently doesn't have the
23 authority to demand process control by
24 industry, and, and that's not entirely true, as
25 was brought up -- There is a system in place

1 that will take care of these sort of concerns
2 now in just the FD&C Act itself, and so what
3 solutions do we recommend to fill the gaps? We
4 had written on our sheet, in great big, giant,
5 bold print, "no additional regulation," and
6 there wasn't a "please" there, but we'll say
7 "please" just the same, because it was felt
8 that there is current -- currently in place, a
9 way to take care of that problem.

10 No. 6: Would it be appropriate to
11 recommend that firms develop written standard
12 operating procedures for the entire feed
13 production process? Alternatively, would it be
14 sufficient to recommend that firms develop
15 written SOPs for only those process steps that
16 directly impact the safety of the feed?
17 Correct me if I'm wrong, but I believe our
18 consensus was that a minimum amount of required
19 SOPs would be sufficient and not the entire
20 process.

21 Now, we -- In, in saying that, we
22 wanted to make sure that any, any requirements
23 that -- Isn't this fun, trying to figure out
24 where I'm talking from? I don't know where
25 they are, but -- Just ignore that. Okay. Hang

1 on right there for a second. I'll get there.

2 Just requiring the limited amount and
3 making sure that if it becomes a compliance and
4 regulated thing, that our requirements are
5 clear. There was a question of whether or not
6 they should be gen -- broad generalizations as
7 to the -- as to what our responsibilities would
8 be, and our response to that question was: No,
9 they need to be very specific to ensure that
10 there is no interpretation of different
11 inspectors, that we know very clearly what
12 we -- our responsibilities are and can,
13 therefore, fulfill them completely.

14 With limited regulatory resource, we
15 should focus on hazards instead of -- Yeah,
16 okay. That's pretty clear.

17 How should the process-control
18 component incorporate feed-safety-related
19 transportation concerns for both incoming
20 materials and the outgoing products? That's
21 Question No. 7. Basically, doing what we can
22 to secure our facilities, secured drop pits,
23 covered trucks, locks on train cars, those kind
24 of things, were what -- basically, what we came
25 up with.

1 No. 8: As envisioned, the Animal
2 Feed Safety System addresses the labeling,
3 production, distribution and use of all feed
4 ingredients and mixed feed regardless whether
5 these products are produced at commercial
6 operations or on farm. How should the
7 process-control component of the AFSS address
8 the use, feeding or feed ingredients and mixed
9 feed on the farm? What type of on-farm
10 controls should apply to animal feeding? That
11 was a very difficult question to answer because
12 we recognize that, in fact, the agency has very
13 limited funds, very limited resources, and to
14 expand the scope of, of their responsibility
15 from, from the, the medicated facilities that
16 they have responsibility over now to every
17 single solitary manufacturing facility, large
18 or small, and farms, we, we couldn't come up
19 with a way to make that work.

20 And so, again, with the FDNC that's
21 already in place, should there be a -- should
22 there be a challenge? We determined that
23 perhaps it would be better not to start
24 something else, to expand regulation, where it
25 really can't be done effectively.

1 Okay. Scan through those now, and
2 let's see if I've missed anything. Oh, hang on
3 a second. The problem is the reaction versus
4 proactive. We felt that, in fact, FDA's
5 current method to deal with these is more
6 reactive than proactive by just necessity, not
7 necessarily by choice. That was just how it
8 has to be. And we would like very much for
9 there to be educational components to the
10 industry so they can tell us exactly what we're
11 supposed to do, because that will help us
12 comply.

13 Okay. Let's see. There -- First
14 visit with education in mind. That's right.
15 That's right. It was suggested that, in fact,
16 we get a freebee. First time we're not gonna
17 lock you up if we come over and find that you
18 guys are not doing it, but that that would be
19 our -- a way for us, as an industry --
20 especially if there are new guidelines in
21 place, for us to understand what our
22 responsibilities are.

23 Okay. Agroterrorism concerns.
24 Really, that was just common-sense stuff again,
25 just locking up our facilities, 'cause it's

1 kind of hard to prepare for a problem that
2 there isn't really any set -- You know, if we
3 -- If they just give us an itinerary of how it
4 was gonna work, then we could plan better for
5 it; okay?

6 Okay. That -- Okay. All right. I
7 believe that's all our group discussed. We
8 discussed many things. Sometimes the
9 discussion was pointed, but it was good.

10 From that group, now, are there any
11 things that I missed?

12 MR. COSTIGAN: Tim Costigan with
13 Prince Agroproducts. We got a little bit into
14 the discussion about being proactive or
15 reactive, and out of necessity, we feel that
16 most of the regulatory agencies are reactive.
17 They find a problem either in feed or they find
18 a problem in a food site, and they investigate
19 that back, try to identify a source, and that's
20 very helpful.

21 The responsible industry and
22 responsible individuals involved in the
23 industry tend to be more proactive, and that's
24 really their role in this whole scheme. If
25 they can take a look at their process, evaluate

1 where risks come in and take care of that, then
2 that certainly makes the entire feed system a
3 little bit safer.

4 There's kind of that third group
5 there, and that's the group that's really of
6 concern. They're inactive. They really don't
7 do much of anything to prevent safety concerns.
8 They're not overly concerned about 'em. Part
9 of it is due to ignorance or, or, you know, not
10 understanding what they need to do, but I think
11 there are individuals who just aren't
12 interested in that part of it. They're there
13 to make a buck. They want to move on.

14 So the real question with the Animal
15 Feed Safety System isn't how do you put more
16 regulation on industries that are willing to
17 comply, but how do you bring the rest of them
18 into the fold? And that's something that this
19 system needs to address.

20 MR. HULL: Any others? Okay.
21 Thank you.

22 MR. WILSON: All right. Now, we
23 have one question here. We'll --

24 MS. DUNNAVAN: I, I want to ask
25 the group a question.

1 MR. WILSON: Okay. Just wait
2 for the microphone.

3 MS. DUNNAVAN: Well, I
4 (inaudible) -- Ferris, can you go back to the
5 very beginning of their -- I just wanted to ask
6 this -- the group, 'cause I don't quite
7 understand -- In your comment here, regulation
8 should be based on end result, some agreed with
9 this only with respect to the regulated
10 industry segment, which is medicated feed. In
11 this respect, the term "process control" is
12 wrong. Can you explain that? I -- I'm not
13 sure that I quite understand what you mean by
14 "process control is wrong."

15 MR. HULL: Honestly, I can't
16 explain that paragraph, because I don't
17 remember it being one of our conclusions, so --
18 Is there anybody in the group that can address
19 that?

20 MALE VOICE: Is this on? We
21 felt there is a lack of understanding, Gloria,
22 to what "process control" means, that there is
23 a need for upstream and downstream controls
24 from the feed mill and that the term "process
25 control" implies controlling a particular

1 process -- i.e., feed manufacturing -- and
2 that, therefore, we need to incorporate some
3 other terminology in order to address those
4 types of systems they use.

5 MS. DUNNAVAN: Thanks,
6 (inaudible).

7 MR. HULL: To expand on that
8 just a little bit, when we were talking about
9 process evaluations, you know, I think that's
10 maybe a little bit clearer term for people, but
11 looking at the process control, there's two
12 aspects, and I spoke about that a little bit
13 earlier. When you have no process to control,
14 you're handling a material produced by someone
15 else and you cannot get to their process,
16 whether it's overseas or someone that you
17 really don't have access to, then you need to
18 revert to the product control. And just
19 referring to process control, it left it
20 awfully wide open. It was not easily
21 understood, and it's a term that's better
22 understood in many other industries to mean
23 other things.

24 MS. DUNNAVAN: Thank you all.

25 MR. WILSON: Okay, Lee

1 (phonetic). Any more questions I -- Oh, we
2 have a --

3 MS. PETERSEN: No, I -- Just a
4 comment. Process control -- This is Marlene
5 Petersen with Milk Specialties. Process
6 control is generally considered to be a quality
7 program, not a hazard or risk-based program, so
8 in the industry, if you use the, the name
9 "process control," you're generally talking
10 about quality programs which are not
11 necessarily applicable to what we're talking
12 about here.

13 MR. WILSON: Any additional
14 comments? Okay.

15 We'd move on to Group 3B. Randy
16 Sample is the spokesperson -- the reporter for
17 this group.

18 RANDY SAMPLE, GROUP 3B

19 MR. SAMPLE: Good morning. We
20 had many of the questions that the previous
21 group worked on. I'm Randy Sample with ADM,
22 Alliance Nutrition and Animal Health Nutrition.
23 I'm affectionately known by our marketing
24 department as Director of Sales Prevention,
25 so . . .

1 We looked at: Do you agree with
2 identified gap? And this area worked -- The
3 objective was to develop a framework for the
4 use in prioritizing and allocating inspection
5 enforcement resources to minimize a risk of
6 animal and human health, and the gap that was,
7 basically, identified in here dealt with the
8 hazards of the Bioterrorism Act and controlling
9 livestock diseases and bringing in the
10 transportation issue. I said, Do you --

11 We did it a little bit differently
12 than the other people reported. We kind of
13 broke it down into the industry's concern, the
14 state concerns and the FDA concerns, so we felt
15 like, in many cases, they were a little bit
16 different. We wanted to get those down and --
17 that we could discuss.

18 I said, Do you agree with the
19 identified gap? I think we all said --
20 industry said yes. We agreed that the gap --
21 We feel that on-farm operations or nonmedicated
22 feed mills are the missing link that's not
23 being looked at previously. FDA says they have
24 the authority to go on farm now and the FDA
25 authority to inspect unlicensed plants, but

1 they don't routinely do this. That falls under
2 the state purview, and the state side of it
3 said some states may not -- don't have the
4 authority to go on farm, and some may not want
5 the authority to go on farm, unless they've got
6 the governor of California to go in with 'em as
7 a backup.

8 And yes, we do -- did agree with the
9 gap. The -- Question 2 says: Do you disagree
10 with the gap? We said no. What gaps have we
11 missed? We had a lot of discussion on the
12 transportation issue, how it was dealt with
13 within the framework. I think you also -- We
14 thought that the local farmer transporters
15 needed to be dealt with because they were also
16 a possibility or a risk area that could cause
17 contamination.

18 And then, again, we brought up the
19 age-old comments about the railroads. How do
20 we get the railroads to buy into this process
21 without just having us -- We won't give you a
22 car to load your feed.

23 So those are things, I think, we all
24 are dealing with. We need a standardization
25 form, that accompanies shipments, showing

1 compliance with AFSS procedures. We sort of
2 answered this again in Question 4. And also,
3 we need to look at the mixing at the farm
4 level, but there's also manpower issues to
5 implement on the industry side and on the
6 regulator side, and again, a lot of discussion
7 was held on equal enforcement. As a gentleman
8 earlier talked about, you know, we all are into
9 this inspection mode, and sometimes it's, Get
10 all the inspections we really don't need. With
11 all the BSE and other issues, I wonder if --
12 sometimes, that, you know, they should kind of
13 be combined.

14 And also, it comes down -- They felt
15 like the cost of the farmer was going to be an
16 issue, and it comes down, it's gonna be forcing
17 more of the prac -- to go the route of
18 integration that the poultry industry and the
19 swine industry is going to very quickly.

20 What solutions do you recommend to
21 fill the gap? We felt like the industry was --
22 need to catch up other groups -- i.e., the
23 transporters and on-farm processes -- before
24 putting more regulations on the feed industry
25 in general. We thought that a standardized

1 form for compliance with AFSS was needed to
2 cover the farmer transporters.

3 And for gap on dealing with farmers,
4 we need to make it appealing to the farmer to
5 be interested in the process and in the
6 products that are in compliance, and possibly
7 would go through -- via the different, like,
8 pork board associations to get this word out to
9 these different farm groups. I saw the
10 certificate -- certification of buying, selling
11 appeal -- certification received due to going
12 through training, and the training sessions
13 need to be held through all processes -- all
14 steps of the process.

15 I also felt like that a national
16 animal I.D. system would be needed. States
17 felt like, currently, the I.D. system is for
18 disease traceback. Therefore, information may
19 not be available to do all that we want to do
20 or provide.

21 For dealing with the on-farm mixers,
22 we like the certification of training, and the
23 industry felt like we'll need deadlines for
24 training or you're-out-of-business-type
25 process. Joint meeting with pursuit --

1 producers and farmers and tell them to bring
2 their books to show that they are complying
3 with that.

4 And FDA felt like the
5 recertification, after a required number of
6 hours of training, pretty much like some --
7 where the pesticide industry has gone. And for
8 manpower on how to do this, we don't know. You
9 know, we couldn't come up with some real issues
10 with -- there.

11 As far as dealing with enforcement,
12 felt like that there isn't equal enforcement
13 now, through that lower part of the pyramid, to
14 the on-farm, to the small producers.

15 How do (sic) the process-control
16 component incorporate agroterrorism concerns?
17 We felt like we needed to show or get complete
18 compliance with the Bioterrorism Act, and it is
19 impossible to check every contaminant. We
20 could, but no one could afford our fee.

21 Facility security, we talked about
22 that, how the small operations can make their
23 systems more secure, and felt like we also
24 needed to know our vendors who we're getting
25 product from.

1 Educating. The states felt like
2 educating parties need to be involved in what
3 they're affecting. Assess the risk within your
4 facility or process, the vulnerable points, and
5 the impact that agroterrorism may have on those
6 points. We also felt like we needed to be able
7 to reference lists of who to call if a
8 situation occurs. Like if you know a
9 contamination happened in your plant or in your
10 operation, who do you call first, or how do the
11 contacts need to be made? Reactionary plan
12 for: If something happens, what do you do?
13 Mock recalls, mock inspections should be the
14 norm.

15 We also felt like training employees
16 to look for things that are odd. I think one
17 of the people in our group had some background
18 in the enforcement area and felt like we need
19 to train people how to look -- if something is
20 out of place or just doesn't look right.

21 Question 6: Would it be appropriate
22 to recommend that the firms develop written
23 SOPs for the entire industry production
24 process? I think the industry side of it said
25 they like SOPs, and farmers have a difficult --

1 difficulty passing the cost of keeping SOPs to
2 someone else. A lot of discussion was on, we
3 can -- As an industry, or ingredient-wise or
4 production-wise, we can pass these costs off to
5 the farmer, but the farmer doesn't have that
6 same opportunity to pass his costs off to who
7 he sells his product to. And who is going to
8 do the SOPs for the farmers and the mom-and-pop
9 mills? That question was brought up. Should
10 we provide them assistance in doing this? We
11 like the idea, but it's hard to implement at
12 the farm level.

13 And Question 6 is: Alternatively
14 would (sic) be sufficient to recommend that
15 firms develop written SOPs for those process
16 steps that directly impact the safety of feed?
17 It says -- The industry said, Difficult to
18 separate what does affect the safety of feed,
19 because it all does to some point.

20 Must be careful when writing SOPs.
21 If you write a garbage SOP, you will have a
22 garbage product. And we went through the whole
23 issue about -- We have people out there that
24 want low-cost products, so the industry has a
25 blast with that. Might consider making SOPs

1 for known hazards. Of course, we felt like
2 that was difficult to test for everything. In
3 the FDA, some parts could be pulled out,
4 exemp -- SOPs if it does not affect the safety
5 but only affects the quality: the size, the
6 crumble, the fines in the feed and those areas
7 that doesn't really affect the animal. States
8 felt like they needed generalized SOPs, not
9 specific ones. How do we do this? We don't
10 know. We like the idea. We don't know how to
11 implement and enforce these.

12 Question 7, we kind of went back to
13 Question 3, where we talked about the
14 transportation issue and what needs to be done
15 in that area to the truckers and the railroad
16 companies.

17 Question 8: How should the
18 process-control component of AFSS address the
19 use of feed ingredients and mixed on -- feed on
20 the farm? I -- The industry felt like we have,
21 have met -- (Inaudible).

22 (Inaudible.)

23 MR. SAMPLE: Okay. I didn't --
24 -- packers mandate -- put pressure on the
25 farmers, the farmers follow the process --

1 procedure. So that was probably one area
2 that -- And you see a lot of this coming from
3 Japan and the foreign market, where they're
4 demanding certain things be done.

5 The states also felt like that
6 there's a niche market people out there more
7 difficult to bring into compliance. People who
8 are selling organic products or unnatural
9 products or specialty products would be hard to
10 reach with this process.

11 And we had one comment I think you
12 hear about at any meeting: We need to teach
13 farmers how to read the labels, 'cause many
14 times, that's not done. FDA said they had
15 jurisdiction over the animals, maybe also under
16 USD -- USDA control.

17 And the Question A -- Part B, what
18 type of on-farm control should apply to
19 feeding -- to animal feeding? A farmer should
20 not have to pay for this. Consumers want it;
21 they should pay for it. Comes back to: Have
22 we seen a groundswell movement asking for these
23 specialty deals?

24 Farmers have obligations to produce
25 safe feed and safe product, which I truly

1 believe they all work within that guideline,
2 'cause they know if they don't have that, they
3 won't be in business much longer. Should the
4 production of safer food be at any cost? And
5 that was raised.

6 It was interesting, as we went
7 through all of these, one of -- the
8 facilitator, the young girl that was there
9 after it was over, we asked her, would she now
10 go out and eat meat after hearing all the
11 different topics? But yes, she said she would.

12 (Inaudible.)

13 MR. SAMPLE: No, I think the
14 discussion went real well. We had a lot of
15 participation around the area, and -- Any
16 questions?

17 MS. DUNNAVAN: I, I have a
18 question. Randy, earlier in your discussion,
19 you talked about a standardized form. Can you
20 talk about that a little bit? Is that just --
21 Is that just for the transportation piece, or
22 is this something that the industry would have
23 to check off, I've done this, I've done this,
24 I've done this, or it --

25 MR. SAMPLE: I think what they

1 were -- we were discussing -- and some of the
2 other ones that are in our group, correct me if
3 I didn't portray this right -- was an SOP
4 standard form that a farmer or a small
5 operation could take and utilize.

6 MS. DUNNAVAN: Oh. Sort of a
7 fill-in-the-blank kind of --

8 MR. SAMPLE: Right, fill in the,
9 kind of, blank.

10 MS. DUNNAVAN: Oh, okay.

11 MR. SAMPLE: Because it's gonna
12 be difficult to get that segment of the
13 industry to follow this without giving 'em some
14 help to do it.

15 MS. DUNNAVAN: Okay. Thanks.

16 MALE VOICE: Yeah. Randy, also,
17 I think we were looking at more in the
18 transportation side of things, where, right
19 now, when we call a supplier of ingredients and
20 say, Hey, you know, can you tell us what was in
21 that car, you know, something looked suspic --
22 we, we get very little paperwork oftentimes
23 showing previous loads and all that type of
24 thing. If there was a standard form, you know,
25 within the industry that would automatically

1 accompany invoices, bill of lading, whatever,
2 and that everyone would demand it and expect it
3 from any type of carrier, I think it would help
4 a lot.

5 MR. SAMPLE: Any others? One
6 more back (inaudible) --

7 MR. WOODWORTH: Yeah. Rich
8 Woodworth, Food Animal Concerns Trust. We're a
9 consumer group, and we like niche markets, and
10 I'd like to hear why it is you feel niche
11 markets would be hard to regulate or involve in
12 this program.

13 MR. SAMPLE: Finding those niche
14 markets, where they're produced, sometimes is
15 difficult. Does anyone else have any comments?
16 I think we felt like that they weren't well
17 known by the regulators or the states, how
18 these niche markets move in and out. And also,
19 the e-mail -- the Internet, how does that
20 affect? Someone else?

21 FEMALE VOICE: Yeah. Okay. I
22 just wanted to make the comment in, in response
23 to, to your comment over there. AFIA's
24 Ingredient Suppliers Council has developed a
25 transportation form that ingredient suppliers

1 are to use for -- or to make sure for
2 restricted products, as well as other
3 ingredients. It's not just to those products.
4 And that form requires them and the
5 transportation company to identify what was in
6 that -- in that truck, or whatever, prior to
7 that shipment, and they have to sign off on it.
8 So if -- You know, if ever you --

9 MALE VOICE: (Inaudible)?

10 FEMALE VOICE: And if the --

11 MALE VOICE: In other words,

12 if --

13 FEMALE VOICE: Well --

14 MALE VOICE: -- (inaudible)

15 doesn't supply (inaudible)?

16 FEMALE VOICE: Hopefully,
17 they're not gonna use 'em, but I'm not naive
18 either. But on the -- It is a little more
19 controllable on the truckers, I think, than the
20 rail.

21 MALE VOICE: I mean, we, we can
22 put things in place ourselves --

23 FEMALE VOICE: Right.

24 MALE VOICE: -- but there's
25 still that one (inaudible) where if there's no

1 (inaudible), I mean, there's nothing to
2 encourage them (inaudible).

3 FEMALE VOICE: Right. I know
4 some of the ingredient companies have reported
5 back to me that they -- And I know this is just
6 some, but they reported back that they
7 absolutely will not use that truck unless those
8 people sign off on it, so . . .

9 MALE VOICE: The trucks
10 (inaudible).

11 FEMALE VOICE: Yeah, exactly.

12 MALE VOICE: We addressed that
13 same issue in our group, 3A, and most of the
14 feed mills today have a requirement that
15 truckers, when they come in, they sign off that
16 the truck has been cleaned and so forth, but I
17 think we went along with that same point, the
18 problem being that a lot of 'em will say
19 anything to keep their job. In fact, we had an
20 example within the group where one recently
21 just lost a job that refused to do that, told
22 the truth. So that you need a regulation to
23 back it up, to put some teeth into it, and
24 unless you have that, we continue to have an
25 exercise that really doesn't really guarantee

1 safety.

2 Also, in the area of SOPs, 3A
3 addressed that, and one of the things that we
4 got into on that was that SOPs would be needed
5 for the safety issues, and the point being
6 that, well, maybe you don't need 'em for the
7 nonsafe issues, but all in all, when you end up
8 with it, you end up with a total written
9 package, because it's -- you can't really
10 differentiate.

11 MR. SAMPLE: To answer the
12 gentleman's question about the niche markets, I
13 think the group felt like there was just lack
14 of knowledge, what those products were and how
15 they were used, so . . .

16 Any other questions?

17 MR. BRIGHTSMAN: Yeah, Randy.
18 John Brightsman.

19 MR. SAMPLE: I didn't do it,
20 John. Wasn't me.

21 MR. BRIGHTSMAN: I got a
22 question for both, both groups, as far as
23 the -- I heard about the SOPs and whether there
24 was any discussion about AAFCO's checklist --

25 MR. SAMPLE: No.

1 MR. BRIGHTSMAN: -- whether
2 anybody is using that --

3 MR. SAMPLE: It wasn't brought
4 up at our group.

5 MR. BRIGHTSMAN: -- whether --
6 You know, that would be a good starting point,
7 'cause that was -- excuse me -- that was a
8 voluntary program that AAFCO had worked on with
9 the industry to come up with something that
10 would provide guidance and so forth.

11 MR. SAMPLE: Well, again, I
12 think we'd look at it as far -- It'd be an
13 education process. Has that gotten out to the
14 farm level or to the small production area,
15 that this is available? It's almost felt like
16 it's just, basically, an education process.
17 There are forms out there they can utilize.
18 People just don't know where they're at, how to
19 use 'em. Okay.

20 MR. BRIGHTSMAN: Thank you.

21 MR. SAMPLE: And I guess I got
22 my immunity stick; right, Bruce? Did you
23 negotiate that, too, for our next inspection?
24 We can get an immunity stick? Okay. I can see
25 we're all together. Whap. No.

1 MR. WILSON: Okay. We're a
2 little bit ahead of schedule, which is great,
3 because then we can make sure we have plenty of
4 time for questions and answers at the end. I
5 think now we're gonna go ahead and take our
6 30-minute break. I've got about -- a little
7 past 9:15, and so about a quarter 'til 10,
8 we'll get back and get started. They have set
9 up for us, I think, just the -- As you go out
10 the door to your right. So 30 minutes.

11 (A break was taken from 9:15
12 a.m. to 9:45 a.m.)

13 MR. WILSON: -- a little bit out
14 of order on the way -- the 1, 2, 3, 4, 5
15 scenarios and jump straight to 5, which is risk
16 and risk-ranking method. If we could, I'd like
17 the reporter for Group 5A, which is Judy
18 Thompson, to come down and take the podium.

19 JUDY THOMPSON, GROUP 5A

20 MS. THOMPSON: Thank you. I'm
21 Judy Thompson from the Canadian Food Inspection
22 Agency, and it's a little bit -- I was a
23 reluctant reporter, as well, I must say. I
24 tried a new tact. I kept my mouth shut for
25 five minutes, and I got nominated instead, so

1 that didn't work.

2 I want to put on my other hat just
3 for a quick second. I'm the president-elect
4 for AAFCO, and I wanted to thank the FDA, on
5 behalf of that organization, for inviting all
6 the states to participate in this very exciting
7 meeting about an, an initiative that we're all
8 very interested in participating in, so thank
9 you very much for putting on this meeting. It
10 was great.

11 So the group I was in was very --
12 What's the right word? We were very quick in
13 getting our work done, so we had some extra
14 time and put together a PowerPoint that sort of
15 summarizes our discussion. So our first
16 question -- And I thank Dr. Hooberman for his
17 help, 'cause if he wasn't in the room, I'm
18 quite sure that we'd still be there talking
19 about the risk-ranking method, 'cause we had a
20 lot of questions, and he was very, very helpful
21 in, in helping us all see the light. So I
22 think if you could send him around to a variety
23 of places and he could describe it all to
24 people, that you would be very well served by
25 that spending of that money, as well.

1 And so the first question was, was
2 our explanation of the risk-based -- ranking
3 method understood, and how can we improve its
4 clarity? And the answer is on the next slide.
5 I think the answer to that first question is
6 pretty obvious, that -- We, we spent about 40
7 minutes talking about things before we actually
8 got to answer the question, so I think the
9 answer was, kind of, no. We more or less
10 understood what was going on with the process,
11 but we didn't really know what other things
12 might be considered besides science. Was
13 politics in there? Was there economic impacts?
14 Were we concerned about the environment? How
15 was that all gonna impact on the final ranking?
16 So there was a lot of, I guess, uncertainty
17 about what that actually meant. And I think
18 the thing that we all sort of felt that would
19 have helped is if we had a couple of examples
20 of, of common feed ingredients and known risks
21 and had put them through the process, and we
22 could look at their relative scoring, that we
23 would have an understanding of sort of how
24 something that was pretty uncommon, that had a
25 big impact, or whatever, would look and what

1 that number would be, and so we did sort of
2 evaluate whether or not it made sense,
3 so . . . That would be our suggestion.

4 And we actually talked about, maybe,
5 corn and aflatoxin as being a good example,
6 'cause you look at, sort of, maybe, either
7 high-risk years or high-risk situations versus
8 kind of a normal situation and give a
9 comparative rating, and that would give people,
10 I guess, more of an understanding of what was
11 going on and some comfort with the whole
12 process.

13 So the first -- The second question
14 was: Do you agree with the risk-ranking
15 method? And our answer was yes. It looks like
16 it was conceptually sound, and again, just felt
17 we needed to see that in action to make a final
18 determination, but it looked like it was the
19 right way to go.

20 Third question was: Do you agree how
21 -- with how we plan to use the risk-ranking
22 method? And yes, we did agree with that, and
23 we felt that -- again, that the use of the
24 system needed to be based on science, not on
25 politics.

1 The fourth question: Are there other
2 methods other than risk ranking that should be
3 considered for prioritizing these hazards, how
4 they should be addressed, and what are those
5 messages -- methods, and what are their
6 advantages over risk ranking? That was a bit
7 more difficult. We kind of went through a
8 process, and luckily, we had a break right
9 then, and we had asked Dr. Hooberman to think
10 about some ideas of things, and then he came
11 back and told us he wasn't allowed to talk to
12 us anymore, and we told him that that wasn't
13 really -- wasn't really very helpful, so --
14 'Cause he had been informed that he was
15 supposed to be a listener and not a
16 participator, and we said that he wasn't, sort
17 of, taking over the group, so it was all right
18 if he talked, and so we had a bit of a chat.

19 And then somebody brought up the
20 fact -- We had talked about -- Most people
21 could probably come up with what they thought
22 were the five biggest risks based on their
23 experience or based on things that they --
24 suppositions or whatever, and we thought it
25 might be a good idea to go out to the various

1 state regulatory officials, the stakeholders'
2 industry groups, the farmers, and just ask them
3 what they thought the top five were, kind of
4 look for some common elements there, and we
5 felt there was also a lot of information out
6 there. People are testing for things and
7 looking at things, and they're most likely
8 looking for the things that they think are
9 problems so they'd have a lot more information
10 on their top five than other things. And if
11 there was a way to collect all that
12 information, maybe have an on-line database on
13 the FDA Website, where people could just go and
14 enter their data sort of anonymously, and then
15 it could all be there as a -- sort of a hazard
16 database or a risk database that we could use
17 long term. There was some -- We're not, I
18 guess, all naive enough to think that everybody
19 is gonna go there and dump all their
20 information onto this Website, but there was
21 thoughts that if it could be anonymous, that
22 that might be an option.

23 And then the last question was: We
24 have modified the definition of "risk-based."
25 Is the new definition more understandable?

1 And, I guess, given the fact that there's four
2 bullets there, the answer to that question,
3 again, is no. We felt that you need to keep it
4 simple, and you shouldn't define another thing
5 in the -- in the definition for something else.
6 If you're gonna define "risk," you can have two
7 separate definitions. Define "risk," then
8 define "risk-based," so don't put them two --
9 the two things mashed together in one
10 definition. And we also thought that having
11 the third sentence, which talked about how are
12 we gonna use the risk-based, was really
13 unnecessary in the definition, because a
14 definition is just that. It's supposed to
15 define what it is, not necessarily how it's
16 gonna be used.

17 So that was our thing in a nutshell.
18 Sorry it didn't take 20 minutes. But we really
19 had a good discussion, and if anyone else in
20 the group thinks that we missed anything in our
21 synthesis of all the spreadsheets and flip
22 charts, please speak now. That's it. Thanks.

23 MR. WILSON: Are there any other
24 questions for (inaudible) at this time? Okay.
25 Then let's move on to --

1 MALE VOICE: (Inaudible.)

2 MR. WILSON: Oh, we have a
3 question.

4 MALE VOICE: Well, it's not a
5 question, just a further comment. In the
6 group, we also spent some time discussing the,
7 the dynamic that who defines the risk often
8 will determine the level of the risk and the
9 nature of the risk, and we talked about, you
10 know, the industry or consumers or public
11 health participation, and out of that, some of
12 us were encouraging that the process do include
13 risk setting involving all those segments,
14 particularly public health.

15 MR. WILSON: Thank you. And now
16 the next presenter is Mr. Charles Breen from
17 our Seattle District Office.

18 CHARLES BREEN, GROUP 5B

19 MR. BREEN: Good morning, and
20 thank you. First of all, in our group, as you
21 can tell from the very beginning, more no than
22 yes, yes, it's clear. We didn't ever really
23 come to a consensus. We had to use diplomatic
24 speak, a full, frank and vigorous discussion of
25 the questions and issues. And I'm going to

1 refer any difficult questions to legal counsel,
2 whom I have just spotted in the group here.

3 For the first question: Was the
4 explanation of risk ranking understood? Well,
5 some of us thought we did; others disagreed.
6 The majority opinion was no, it's not well
7 understood yet, and as mentioned in the earlier
8 5A group, some examples would help.

9 I won't just be reading all of this
10 because you can do that as well as anyone, and
11 I know that farmers do read. They just may not
12 want to pay attention to what they are reading.

13 The, the question of risk-ranking
14 method really was a difficult one to come to
15 any consensus among us, because the vigorous
16 discussion was -- Well, there were too many
17 unknowns yet: the way it was going to be used,
18 how it would apply to specifics, in how much
19 detail would it be applied. These kinds of
20 things are issues that, I think, the Center for
21 Veterinary Medicine would be well advised to
22 explore and provide more information to the
23 stakeholders on how to -- or how it is intended
24 to be used.

25 The second question of, Do you agree

1 with the risk-ranking method? Well, it got
2 tied up with the first question and the third
3 question, also. From the industry
4 representatives, the answer is pretty much no,
5 but a lot more data is needed. The idea of,
6 you know, assigning each ingredient an impaired
7 risk ranking, that becomes an enormous task
8 when you have to cover the whole gamut of
9 potentials that -- Other variables, would they
10 be considered? The comment was made, and it
11 appeared to be one that was broadly accepted,
12 that, in many cases, feed is not the problem.
13 The control mechanism should not be applied in
14 feed when it might be applied much more
15 economically and effectively at some other
16 point in the process, between farm to fork.

17 The industry acknowledges that a lot
18 more scientific data is needed, a lot more
19 public scientific information. There is a
20 great deal of scientific information that is
21 held by industry but is not shared with FDA
22 because we, FDA, cannot keep that information
23 private. There is the Freedom of Information
24 Act and, also, the public records. The data
25 that is held by industry is used by industry in

1 its quality assurance programs, and I'll touch
2 on that a little more later.

3 The third question: Do you agree
4 with how FDA intends to use risk-ranking
5 method? Well, no. Whether it was top to
6 bottom would be preferred to bottom up, as long
7 as there's significant data to assess the risk.
8 A broad-based -- A broad-based research and
9 comprehensive data set is needed to provide
10 information necessary to provide a good, solid,
11 risk-based system.

12 We also acknowledge that there are
13 other factors outside of scientifically
14 available data that drive FDA's risk-based
15 decision-making process. For instance, right
16 now, in this country, BSE is a very low-risk
17 problem, but it is a high priority for the Food
18 and Drug Administration. There are
19 nonscientific drivers that make it a high
20 priority for the Food and Drug Administration.

21 So how is this risk-based process
22 going to accommodate these nonscientific
23 drivers? They can be considered -- called
24 politics. They can be called consumer
25 perception. Whatever it is, there are issues

1 that are outside of the probability and the
2 consequence matrix that are used for risk
3 determination. Risk ranking is just not
4 enough.

5 The fourth question: Are there other
6 methods for risk ranking that should be
7 considered? What and why are they better?

8 Well, again, we talked about risk in the
9 context of all three of the previous questions,
10 and some advice was suggested about focusing on
11 current programs to identify weaknesses that do
12 exist, a test pilot, you know, just to see how
13 it works, to say, Using this kind of ingredient
14 that would be used in this fashion, how would
15 this method apply?

16 There was a suggestion that the AFSS
17 survey the industry to see what programs there
18 are out there, and the programs that are out
19 there may provide those industry members who
20 used them with a competitive advantage, and
21 because of that, those industry members are
22 reluctant to share them because they could not
23 be kept confidential, and why tell your
24 competitor what you're doing to make your
25 product better when what you want to do is make

1 your product better so that it sells better
2 than your competitor?

3 The second part of that question:

4 No, no alternative methods currently.

5 And the last question: Is the new
6 "risk" definition more understandable? Well,
7 yes. It's as clear as the first one. There
8 wasn't much discussion in our group as to
9 whether one was any better than the other.

10 There were some other currents during
11 this discussion, this full, frank and vigorous
12 discussion that we had -- that we had, that I'd
13 just like to mention, that will affect how we,
14 FDA, deal with the question. One is that
15 industry is rapidly consolidating. From a
16 regulator's perspective, which is what I have,
17 to me, that sounds like a moving target, and
18 the government bureaucracy always has a hard
19 time hitting a moving target.

20 Likewise, there are industry
21 practices that are rapidly changing -- not
22 necessarily improving, but changing in response
23 to market demands. Pull-through, I think, was
24 the term that was used, where a big customer
25 says, I want you to . . . Whether or not it

1 makes sense, if you want to keep that big
2 customer, you will do whatever that is the
3 customer asks for. Although the big customer
4 was not named, I know that Wal-Mart does a lot
5 of that. They don't buy that much animal feed,
6 but the same kind of practice, where they say,
7 you know, Do this for us so that we can say
8 whatever to our customers.

9 And not only individual pull-through
10 for the market, but other governments. For the
11 export industry, some countries have what
12 amount to -- well, I hesitate to call it
13 nontariff trade barriers, 'cause they apply to
14 everybody, but they're certainly trade
15 barriers.

16 And there is also, at times, a
17 competitive advantage to having a quality
18 system that's better than the other guy's. As
19 I mentioned just a little bit before, one of
20 the reasons why industry -- some industries are
21 reluctant to share with the government what it
22 is they're doing to assure quality is, when
23 you've built a system that's working and you
24 have a brand-name product in the market, you
25 don't want your competitor to be able to

1 piggyback on the benefit of that experience,
2 and that this is not just a competitive
3 advantage, it is at a competitive disadvantage
4 to be publicizing those details.

5 Now, are there any questions that I
6 need to refer to counsel?

7 MS. DUNNAVAN: (Inaudible.)

8 MR. BREEN: Gloria?

9 MS. DUNNAVAN: (Inaudible.) I
10 don't know if you need to refer this question
11 to counsel or not, but I just -- Could you give
12 me a little more explanation? At the -- sort
13 of at the beginning of your discussion, you
14 talked about that maybe something would be --
15 Let's say I'm a finished-feed manufacturer, and
16 there's an issue that I'm concerned about, but
17 I may not be the one that has to deal with
18 that. It may be somewhere else in the --

19 MR. BREEN: Yes. Let me get to
20 an example --

21 MS. DUNNAVAN: -- farm-to-table
22 continuum.

23 MR. BREEN: -- that was
24 discussed. Microbiological quality of animal
25 feed. What data is there to suggest that the

1 microbiological quality of animal feed
2 contributes to food-borne illness in humans?
3 Salmonella in chickens. Well, if you cook the
4 chicken, that kills the salmonella, and that if
5 there is salmonella in chicken but it wasn't in
6 the feed, how did it get there? It could well
7 have been feeding practices at the animal
8 producer. It could have been flies that land
9 on the manure and then onto the feed. If there
10 are other control steps, other than feed-control
11 steps, that might control that hazard better
12 and more effectively than just providing a
13 pasteurized feed product to an animal producer.

14 MS. DUNNAVAN: So under that
15 sort of scenario, then, I would -- If I -- If
16 I'm thinking it's better control somewhere
17 else, than I just -- I wouldn't deal with it
18 (inaudible)?

19 MR. BREEN: That --

20 MS. DUNNAVAN: I'm just trying
21 to make sure I'm understanding the concept.

22 MR. BREEN: Well, the -- Please,
23 any of the group pitch in, as well.

24 MS. DUNNAVAN: Sorry. I'm not
25 picking on you, Charles.

1 MR. BREEN: The way it was being
2 presented -- The way it was being presented is
3 that for that particular scenario, the cheapest
4 way to control human illness is to educate
5 consumers to cook the chicken well and use
6 separate cutting boards, or whatever, and not
7 cross-contaminate it in the kitchen with the
8 chicken and the raw vegetables on the same
9 cutting board, that sort of thing, that that
10 works and is cheaper and more effective than
11 whatever we might want to spend on feed
12 controls.

13 MS. DUNNAVAN: Okay. Thank you.

14 MR. BREEN: Anyone else? Thank
15 you very much.

16 MR. WILSON: All right. Now
17 that we've finished with Group 5, let's jump
18 back to Group 4. Would the spokesperson for
19 Group 4B, Dan Danielson, please come up. Group
20 4B -- or Group 4 is brief -- is discussing
21 regulatory oversight.

22 DAN DANIELSON, GROUP 4B

23 MR. DANIELSON: Or better known
24 as cart way before the horse. I think once
25 this comes into focus, we could be better

1 served to make recommendations on an
2 enforcement strategy.

3 We had a good group, as well, very
4 diverse, very participative, except for the
5 point when they chose to elect a spokesman, and
6 then the patterns in the walls and the carpet
7 and everything got real interesting, so I guess
8 I was anointed as being from the Volunteer
9 State and should keep up with that tradition.

10 As far as the identified gaps for the
11 regulatory oversight, the first one we had a
12 little trouble with only because we think
13 that's the gap and the solution all in one, I
14 guess. Currently developing a risk-based
15 inspectional approach, that's a gap, and I
16 guess the development of such is the solution.

17 No. 2, I think we had a spirited
18 debate about, as was said. Not quite the same
19 words the last speaker used, but there's a
20 couple things we wanted to take exception to.
21 First of all, the statement that we focused
22 principally on commercial medicated feed
23 industry is true to an extent, but particularly
24 in my state, we have focused on feed
25 manufacturers. Our, our FDA-licensed mills in

1 Tennessee keep dwindling. We -- We're down to
2 about eight or nine, something like that. We
3 have about 150 manufacturers, so we've been
4 looking at manufacturers in general.

5 Secondly, the, the statement about
6 some on-farm operations are making more feed
7 than most commercial feed companies, well, I
8 don't know. I guess that could be true
9 somewhere. Certainly not in Tennessee. Some
10 of our integrated outfits may make more feed
11 than some of our smallest mills, but I'll
12 guarantee you they do not make more than some
13 of our biggest manufacturers. So that may be
14 true in some states, not, not particularly in
15 all.

16 Let's see. Going to 3 -- Oh, just to
17 say, we basically agreed with all the gaps in
18 some fashion or another. The third gap of
19 insurance competency and proficiency with state
20 and field inspectors, that's very admirable.
21 We want to do that. We want to do that in all
22 of our programs to make sure our inspectors
23 know what they're doing, they're capable, they
24 understand the, the industry and what we're
25 doing. It asks for traditional novel

1 approaches providing training. Well, maybe
2 we'll want to take a step back, and maybe my
3 bias is dealing a lot with EPA programs. We do
4 a lot of hands-on training, a lot of regional
5 training for inspectors via EPA. I think we
6 like that better than these computer modules.
7 I don't know how it works for your field staff.
8 I have field staff. They're very proficient in
9 working through computer modules. I have
10 others that it's extremely painful for, and I
11 don't know what they really get out of it. So
12 again, I think some face-to-face, hands-on
13 regional training by FDA for state inspectors
14 would be great, and again, prefer that over
15 computerized modules.

16 I think the gap that, that we
17 identified in No. 3 was, Well, what about the
18 industry? How are we gonna get the word out to
19 industry? And I think big industry, the, the
20 larger players, the more responsible industry
21 are in this room. They get it, or they want to
22 get it, or they want to fight it, whatever, but
23 they're in the game. It's Billy and Bubba out
24 in Podunk, Tennessee, that we worry about. How
25 are we gonna get the word out to them? They

1 probably do not belong to AFIA. They may not
2 belong to any trade association. Perhaps
3 extension would be a way to get to some of
4 those folks, but we think that's a gap. How
5 are we gonna get the word out to industry and
6 especially the smaller mom-and-pops or Billy
7 and Bubba out there running a little bit of a
8 mill in a Quonset hut?

9 And also, as part of my agreeing to
10 be the spokesman, I was assured that I would be
11 backed up -- it remains to be seen how far
12 back -- by my -- by my group as far as if I
13 miss some salient point here.

14 I think one of the gaps, as far as
15 the Inspection No. 2, is this whole issue of
16 what states have on-farm authority, to what
17 extent do we have on-farm authority. FDA
18 claims to have on-farm authority. Do they have
19 the authority if none of these products are
20 shipped interstate? So I guess the solution
21 for that is, is, we'd like to see AAFCO come up
22 with some language in a model bill for on-farm
23 authority. The other choice that some states
24 have done is go out there on that limb by
25 themselves, but I think we're better served to

1 have a model bill, have some framework and have
2 something that we can go to our local
3 legislators and administration, say, Yeah, this
4 is the thing to do. We have a model.
5 Everybody else is doing it, so we need to do
6 it, as well.

7 One additional gap, I think, that we
8 identified on this whole manufacturing process
9 is we cannot keep our -- we can't lose sight --
10 take our eye off the ball or the finished
11 product. You know, quality is, is an important
12 thing. Quality is really the genesis of a lot
13 of our feed regulatory programs. As we know,
14 these feed regulatory programs go way back in
15 states, and again, foundation is consumer
16 protection. While process for safety, we feel,
17 is very important -- I don't think we can
18 forget that, and within that, we still have the
19 issues of imported feeds. You know, that was
20 mentioned in one of the other presentations.
21 There may be firms, we can't get to their
22 process, so we have to rely on looking at their
23 finished product. Frankly, it's easy for us to
24 look at finished product for quality, look for
25 some contaminants and things of that nature.

1 There's this whole Internet thing. We're not
2 gonna be able to get to processes there, so
3 again, that's a place where we need to focus on
4 the -- on the end product and not just the
5 process.

6 This is a little disjointed. It's no
7 fault of our recorder, Andy Gray (phonetic).
8 He did a -- He did a -- He put a good effort
9 into it, but our, our discussions were so
10 freewheeling that I think it -- we had a
11 little, little trouble keeping on, on target.

12 We think there's a component here for
13 self-inspection programs. I, I hesitate to use
14 voluntary self-inspection programs. I think
15 there should be self-inspection programs with a
16 regulatory oversight. Not "I," "we" think.
17 There should be self-inspection programs with
18 some sort of regulatory oversight component.

19 Back to the, the gap on
20 record-keeping of, of transportation. We
21 talked about trucks and rails. Nobody has
22 mentioned barges. I think barges come through.
23 And again, I think -- we think that there's the
24 potential for some sort of self-inspection
25 program with regulatory oversight.

1 inspection or these partnership agreements,
2 whatever they are. Doesn't amount to a whole
3 lot. If we're gonna get into this, then, to a
4 much larger way, I think it's something that
5 must be addressed.

6 Question 5: Should regulatory
7 programs focus solely on risk? Well, no.
8 Again, back to what I said, we can't take our
9 eye off the ball on finished product. And
10 again, maybe it's just from me coming from a
11 production background, but if you buy
12 36-percent protein feed, I would think that you
13 pretty much expect somewhat close to that. I
14 think the consumer protection part of it is, is
15 still vital and still real, and I don't think
16 that the safety -- although it's an important
17 component, we don't want it to overshadow the
18 quality assurance and the
19 quality-of-the-product issues.

20 If process controls are established
21 for on-farm manufacturing, what would
22 regulatory oversight, such a program, look
23 like? Well, one of the wags (phonetic) in our
24 group said platypus. That's probably what it's
25 gonna look like. In reality, I think the only

1 way it's going to work is we're gonna have to
2 have a defined implementation schedule, put
3 this in place over time. An example might be
4 the first year would be completely outreach and
5 education; second year, you might go to some
6 compliance assistance, actually visiting these
7 firms, looking at what they're doing; and then
8 lastly, going to a compliance program. But
9 again, there's got to be some time and some
10 effort spent on putting this in place before we
11 go into enforcement. And again, as it says up
12 there, lots of outreach.

13 And then it was suggested that the
14 risk-based system -- And I think that was
15 mentioned in some of the earlier ones. There's
16 some risk-based systems already out there, and
17 perhaps we want to model, model, model this
18 after that.

19 But basically, assistive controls
20 must include economic protections to fulfill
21 state statutory mandates and provide consumer
22 protection, as well as feed safety. I don't
23 think we can forget about that.

24 Okay. What'd I miss, y'all? Is
25 there any questions? All right. Thank you.

1 MR. WILSON: All right. Next,
2 next on the program would be the presenter from
3 Group 4A, which is -- I'm sorry, your name,
4 ma'am? Oh, no. This is Marlene, Marlene
5 Petersen.

6 MARLENE PETERSEN, GROUP 4A

7 MS. PETERSEN: I wanted to thank
8 the FDA for the opportunity to participate in
9 this process, and since there is a lawyer in
10 the room, add my legal disclaimer that in no
11 way should my comments be construed as an
12 endorsement.

13 And for our group, we essentially
14 agreed on the gaps, and we spent some time
15 talking about them from the standpoint of, of,
16 you know, what we agreed -- We got kind of
17 mixed up between the agreement -- where we --
18 the gaps and where we thought there were some
19 misses. In essence, if there is gonna be an
20 inspection program, we did agree that it should
21 be a risk-based system, but there was some
22 concern over the BSE inspection process, the
23 guidance, because the risks are different in
24 BSE, and -- You know, whether or not that was a
25 good example or not -- You know, it's probably

1 the only one out there, but . . . We felt you
2 need to develop a separate risk base for feeds
3 and foods and that the risk-based model was
4 definitely the way to go.

5 We did agree that the -- you know,
6 the predom -- preponderance of the inspections,
7 the regulatory focus in the past, have been on
8 medicated feed and, to some extent, feed
9 manufacturers, and that there is a component
10 that really needs to be brought in.

11 Transportation was discussed extensively.
12 There are -- I don't think there's anybody
13 who -- in the industry who doesn't feel that
14 transportation is a problem for us, and if
15 you're gonna have a comprehensive program,
16 you've got to deal with the transportation
17 aspect and also the on-farm aspect.

18 It was also brought up to not
19 overlook mobile mixers. Apparently, there are,
20 in some parts of the country, people who get, I
21 guess, old cement trucks and drive from farm to
22 farm mixing, and I'm pretty certain those
23 mixers have been validated, so I wouldn't be
24 concerned about it.

25 There was a lot of discussion about

1 the size and scale of the term "on farm,"
2 because "on farm" can go from a huge integrated
3 operation to, you know, a very, very small
4 hobby farm, which may have one or two animals
5 on it, and we felt that the term "on farm"
6 needed to be, I guess, broken out to have more
7 definition to it, because if you're gonna set
8 up a regulatory oversight program and you have
9 a category for "on farm," you can't really deal
10 with integrators the same way you're gonna deal
11 with, with hobby farmers, so there needs to be
12 more classifications, more definition within
13 that.

14 There, there was a lot of discussion
15 on the FDA industry education materials.
16 There's gonna be a component here that is going
17 to require a huge amount of education. There
18 is -- There are people already, you know, in
19 the regulated industry who still need more
20 education, and as you break into the on-farm
21 component, the transporters, the ingredient
22 suppliers, there just needs to be a huge amount
23 of education that goes on.

24 And then lastly, it's the gaps, and
25 this is the one that I really struggle with,

1 is: How is the FDA ever going to identify the
2 inventory of facilities? farmers? truckers?
3 railcars? I don't know how -- How, how is that
4 list of places for inspection gonna be
5 developed? I mean, where are you gonna get
6 that information from?

7 Our Gap No. 3 was, you know, that
8 that training was needed for proficiency and --
9 of inspections, and we feel added to that
10 should be uniformity. When an inspector comes
11 in the door -- And I realize there's gonna be
12 some variation in how an inspector -- or an
13 investigator inspects, but when an inspector
14 comes in the door, there should be a standard
15 to which that investigation or that inspection
16 is done. There shouldn't be a huge amount of
17 variance, you know, from one part of the
18 country to another, from -- whether it's a
19 state or federal, federal inspection, if it's
20 being done under the federal contract. There
21 shouldn't be that kind of variation.

22 And solutions. One of the things
23 that we discussed from the ingredient side --
24 or from the -- I'm sorry -- receiving side is
25 that industry could require metal seals on all

1 receiving vehicles, whether it be railcars or
2 trucks. We talked about needing more
3 educational materials. Currently, they're
4 broad-based, but we need some very specific
5 educational materials. One of the things that
6 was commented on was the, the BSE video for the
7 trucking industry. You know, we'd like to see
8 that available. You know, from an industry
9 standpoint, we would be very open to having the
10 video, you know, in our facilities and playing
11 it for truckers while they're unloading or
12 loading, as the case may be.

13 Regulatory oversight and field
14 presence. Some of the, the, the issues with,
15 you know, varying training and varying levels
16 within inspectors or investigators could be
17 helped with some regulatory oversight and field
18 presence, and I believe the FDA said they're
19 already starting an auditing process to try and
20 provide feedback to their investigators in
21 order to, you know, try and even out that
22 inspection process.

23 Consider third-party certification
24 program and or self-inspection programs with
25 some level of regulatory oversight. The fact

1 is, if you expand what is being done, you know,
2 to include a larger scope, resources are an
3 issue, and one way of redirecting the FDA and
4 state resources might be regulatory oversight
5 and acceptance of some type of third-party
6 certification program and/or inspection
7 program. And we need more education through
8 land-grant colleges, extension agents, producer
9 groups for programs, to all program areas --
10 the farmer, the hauler -- and working through
11 state groups and allied industry associations.

12 Question No. 4 dealt with the
13 relationship between state and federal if AFSS
14 becomes a federal regulation, and from -- There
15 was a lot of discussion, you know, particularly
16 with regard to the state component, and they
17 felt pretty strongly that if AFSS becomes a
18 federal regulation, then money would be needed
19 to fund state activities and to really try and
20 get information of what -- you know, how the
21 states are gonna react to this and what they're
22 gonna do. We felt it was important that
23 individual state regulatory officials, you
24 know, provide input to the FDA as to -- 'cause
25 states vary, the level of funding, what they

1 do, what's important to them. And there's also
2 some difference in regional parts of the
3 country as to what the issues are in that part
4 of the country. Mycotoxins, aflatoxin may not
5 be an issue in the Northeast, but, you know,
6 they're a problem in Texas in any particular
7 year.

8 And the big one was communication,
9 open communication between -- from the FDA back
10 to the states, from the states back to the FDA.
11 There needed to be more, broader, open
12 communication on, on regulatory oversight and
13 more uniform compliance with FMD145 from
14 district to district, and this had to do
15 specifically with contact -- contract
16 inspection reports and/or checklists. A
17 facility is supposed to get some type of report
18 back after an inspection has occurred, and, and
19 it appears that, in some areas, that's not
20 occurring.

21 Question 5 was related to, you know,
22 should a regulatory oversight program be based
23 solely on risk, and the answer came back, from
24 the state standpoint, that in a number of
25 states, that consumer protection component is

1 extremely important to the consumers and their
2 state and that it was essentially an impossible
3 sale, that they would not be able to
4 discontinue that component of what -- the
5 services that they're currently providing, so
6 that it was gonna be necessary to have both a
7 consumer protection component in those states
8 and also an animal feed safety component. So
9 the recommendation was that, essentially, AFSS
10 should remain silent on, on that topic and
11 allow the states to make that decision as to
12 what their program needed to look like and what
13 they needed to provide to the consumers in
14 their state.

15 The last question was a fairly
16 difficult one, you know: What would an on-farm
17 inspection program look like? And this one,
18 until you know what it is, you know,
19 specifically you're looking at wanting to do,
20 this is really difficult to, to answer. The
21 idea was, with a definition of "on farm" that's
22 a little more expanded, could be devised for
23 the various types of entities. You know, for
24 instance, you know, a hobby farm feeder would
25 be a different type of classification for an

1 inspection as opposed to an integrated
2 operation. And there's just -- You know,
3 you've got on-farm mixers, sale barns. You've
4 got, you know, dairies. You've got mobile
5 mixers, integrated operations, cattle feedlots,
6 et cetera.

7 We really didn't spend too much time
8 addressing this from the standpoint of -- We
9 didn't happen to have anyone who represented
10 the on-farm component in our group and didn't,
11 didn't and don't really understand what it is
12 that is expected to be done, and you have to
13 know what you want to do before you can do a
14 regulatory oversight program for it. So we, we
15 talked about this one but really couldn't come
16 up with anything specific.

17 MR. WILSON: Are there any
18 questions of this group, or (inaudible) in the
19 group like to add anything? Gloria has a
20 question.

21 MS. DUNNAVAN: (Inaudible.) Can
22 you just give me a little clarification on the,
23 the discussion about the states not buying in
24 on, on some of this? I mean, was there some
25 discussion that, that the state legis -- that

1 they'd have to go to the state legislature, for
2 this -- for this kind of system, or?

3 MS. PETERSEN: I think they felt
4 that -- You know, and please correct me, 'cause
5 I'm, you know, obviously, not a state
6 regulator, but they felt that their customer
7 base, their consumer groups, their farmers,
8 their, you know, producers, want and need that
9 consumer protection part of it, and for them to
10 change or delete or get rid of that component
11 in their program was gonna meet some
12 significant resistance within their
13 legislatures. Now, whether it's because
14 they're wanting to get something through the
15 legislature -- I mean, these programs are
16 somewhat funded through that mechanism.

17 MS. DUNNAVAN: And was the
18 thinking that they would potentially have to do
19 that if -- for an Animal Feed Safety System
20 to re -- would replace that, or?

21 MALE VOICE: (Inaudible.)

22 MS. PETERSEN: Okay.

23 MS. DUNNAVAN: I'm just trying
24 to make sure I'm understanding the state
25 concern.

1 MALE VOICE: While they're
2 looking, Glo, let me chime in. I think, in our
3 state, our statute addresses commercial feeds
4 that are in channels of trade. Once it gets on
5 farm, and especially once it gets dumped in a
6 trough, I'm not sure what our authority is.
7 And again, I think our solution was, perhaps,
8 work through it through AAFCO and the model
9 bill, and it potentially may require a
10 statutory change, at least in my state, to
11 ensure that we have clear authority and
12 clear -- what would you say? -- remedy, for
13 violations on farm, because this feed is not in
14 channels of trade, and we cannot use our
15 traditional hammer of stop-saling. You gonna
16 stop-sale it? It's in the trough. Big deal.
17 Okay. Can a state vet maybe quarantine some
18 animals and stuff? Well, maybe, but this is
19 all things that need to be fleshed out, and I
20 think that's where at least our group is coming
21 from.

22 MS. PETERSEN: Glo, the question
23 specifically was: Should regulatory programs
24 focus solely on risk, and how would a
25 risk-based approach affect economic protection

1 activities? So from the state's standpoint,
2 there is a component of the state programs now
3 which is based on consumer protection, and in
4 some states, they felt it would not be salable.
5 It wouldn't -- You couldn't sell the concept in
6 their state as it's currently formulated.

7 MALE VOICE: Another aspect of
8 this, Glo, is that we're venturing into an
9 area, as Dan's already alluded to, that -- We
10 -- We've traditionally done the feed mills.
11 We've not had authority to go on farm, and some
12 people don't feel very highly about going on
13 the farms, not to even consider the volume of
14 farmers out there. You know, farmers are very
15 protective, and, and to get people coming onto,
16 onto their farm, we, as regulators, are gonna
17 have to sell this, not only to our superiors
18 but to the legislators, too, and I think this
19 is an issue that we would have to face on the
20 state level.

21 MS. DUNNAVAN: Thank you.

22 MS. PETERSEN: One more.

23 MR. SMITH: I have a question.

24 I'm Kevin Smith of Division of Federal and
25 State Relations. I want -- I was wondering if

1 the other Group 4 brought up this issue, and
2 one thing we failed to mention in this group,
3 4B -- or 4A, rather, was the question of: As
4 this -- As AFSS gets rolled out and we seek
5 input and feedback from the states, what would
6 be the most effective way of doing that? And
7 we asked -- We kind of debated the question of
8 using AAFCO as a primary tool for sharing
9 information, and their -- and the point was
10 made that it's probably best to get feedback
11 directly from the states -- individual states
12 in the form of telephone calls, e-mails, draft
13 surveys, and make sure that it goes on an
14 individual basis. I'm just wondering if the
15 other Group 4 discussed anything along those
16 lines.

17 MALE VOICE: Not really. Not
18 really.

19 (Inaudible.)

20 MS. PETERSEN: I -- Do we have
21 someone from 4B who can answer that question?

22 MALE VOICE: (Inaudible) come up
23 in our (inaudible) were either via AAFCO for
24 input or individual states. I guess just me
25 thinking personally, either one would be fine,

1 I guess. I think when you go to individual
2 states, you're gonna have some, some -- oh, I
3 don't know -- vagaries to work through. You
4 know, we, we all may be saying the same thing
5 in a different way, I guess is what I'm saying.

6 Teresa, any of the rest of our group
7 have any thoughts on this?

8 MR. WILSON: Okay. Thank you.
9 Moving on. I think we're -- If I've kept count
10 right, we're ready for Group 6, and we go ahead
11 and with Groups 6 -- 6 has 6A and 6B, but
12 they're actually 6 and 7 because they have
13 different questions, so 6A can -- could go
14 ahead, and then we'll have -- They'll have the
15 -- Each of them will have the full 20 minutes,
16 so . . . Thank you.

17 RANDY GORDON, GROUP 6A

18 MR. GORDON: Well, we had such a
19 cerebral group that it's gonna take two of us
20 to present our findings today. I'm Randy
21 Gordon with National Grain and Feed
22 Association, and Liz Wagstrom with the National
23 Pork Board will be presenting the second half
24 of our report.

25 Our questions -- Actually, our

1 presentation kind of divides naturally, because
2 our questions were kind of grouped into two
3 different sections. One was kind of asking our
4 group what we thought of the overall framework
5 itself and the components -- the four different
6 components of the framework, and were there
7 parts we agreed or disagreed with or any gaps
8 or omissions from the components themselves
9 that we might recommend be included. So that's
10 the portion I'm gonna touch on, and then Liz is
11 gonna respond to our thinking, within the
12 group, of some of the elements that relate to
13 the specific elements of what AFSS might be
14 able to do for, for different sectors of
15 industry.

16 I'd like to thank Roger Osborne
17 (phonetic) for being our, our very good
18 recorder. I'm gonna kind of synthesize the
19 comments you're gonna see on the screen a
20 little bit here in interest of time and maybe
21 to bring some concepts together a little more.

22 I think, within our group, there
23 generally was an agreement that FDA -- that
24 this is a useful exercise and that FDA does
25 need to take a more comprehensive and science-

1 and risk-based approach to feed safety that is
2 more inclusive of all different sectors of
3 industry, including ingredients and
4 transporters. Those two came up in our
5 discussion.

6 Likewise, there is general agreement
7 with the broad outlines of each of the four
8 components that are in the framework from
9 within our group, although we did have some
10 specific areas with which we would recommend
11 some changes, and I'll touch on these as we go
12 through each of the components.

13 Consistent with the bottom-up risk
14 evaluation we heard about yesterday, we're
15 gonna start with Component 4, which has to do
16 with addressing the regulatory oversight issue,
17 and within our group, there was a, a strong
18 support for government-based inspections and
19 oversight, including those performed by the
20 states. There was a belief that the
21 government-based inspections do provide -- and
22 oversight of self-inspections do provide an
23 objectivity and a credibility that's needed by
24 the marketplace, as well as by consumers, to
25 maintain consumer confidence; a belief that

1 this provides some uniformity and consistency
2 across states and regions, given proper
3 training; that it provides some consistency
4 between the approaches that inspectors take,
5 both federal and state.

6 There was this issue discussed within
7 our group about: How do we get more uniform
8 training of the inspection work force so there
9 is more consistent application of the -- of the
10 standards and interpretation? There was a
11 belief that we can adopt a more risk-based
12 approach to inspections and fo -- the focus now
13 being, primarily, on medicated feed, but we
14 need to take the cost-benefit-based approach to
15 this, too, that costs are not a nonissue as we
16 look to establishing a -- establishing a
17 risk-based inspection program.

18 Concerning Component 3, which dealt
19 with the process-control issue for production
20 of feed and feed ingredients and mixed feed,
21 there was general agreement, I think, within
22 our group, with the importance of addressing
23 hazards that are shown through science- and
24 risk-based analysis to be important in
25 preserving human and animal health, but there

1 was a concern about the use of the term
2 "process control," and Marlene touched on this
3 a little bit from the audience earlier today,
4 that that term carries with it a quality
5 control or, in some international circles, a
6 HACCP connotation that we don't think is what
7 FDA is really intending here, and that kind of
8 belies the flexibility that FDA is trying to
9 provide within this particular component of the
10 framework that would recognize other kinds of
11 quality assurance techniques like CGMPs, ISO,
12 standard operating procedures that companies
13 have and other quality assurance approaches
14 that may be more appropriate for different
15 sectors of the industry. That -- And that we
16 do believe that these approaches should be
17 appropriate for the type and size of firms and
18 establishments that are involved in a
19 comprehensive approach, when you're running the
20 full range and gamut of different entities, and
21 that, that we, we think that this component
22 might better be titled SOPs for safe production
23 and -- of feed and fee -- ingredients in mixed
24 feed, so -- to get away from that, that
25 connotation of process control.

1 There also was a concern that this
2 component might be too broad to be
3 realistically implemented, and there was quite
4 a bit of discussion in our group, particularly
5 in the on-farm situation, in that there is a
6 need, maybe, in, in those sorts of situations,
7 to enter into a more collaborative approach,
8 where we look at guidance and other kinds of
9 approaches to accomplish this objective.

10 On Component 2, which dealt with the
11 limits for animal feed contamination, there was
12 concern about -- registered within our group
13 about the use of the term "contaminant," given
14 the legal liability that this term conveys
15 regardless of what the risk ranking of, of the,
16 the -- that a contaminant might be. We
17 discussed a lot of different possible
18 replacement terms, didn't really come to a
19 consensus on, on anything, but we were toying
20 around with things like "foreign substances" or
21 "unwanted substances." You see a term "toxic
22 residues level," and there was some dissension
23 on that particular term within our group, but
24 we do think that this word "contaminant" does
25 need to be discussed more, as this framework

1 moves forward, as to whether there might be a
2 better term used.

3 On Component 1, focusing on the
4 ingredients and the approval process, there was
5 a belief that the current AAFCO feed ingredient
6 definition process is, is a good one that needs
7 to be formalized and expedited so that there is
8 a more timely review of, of feed ingredients
9 through the, the IDC process within AAFCO, the
10 ingredient definition process, but that once
11 those definitions are replaced, they also need
12 to be enforced and that the enforcement
13 component on unapproved feed ingredients is
14 kind of a missing element right now that needs
15 to be addressed.

16 Finally, in response to Question 3,
17 are there major components or elements within
18 the framework components that might have been
19 missed? We came up with three that might need
20 to be looked at. One, we felt, within our
21 group, there might not be an adequate
22 recognition in the framework document currently
23 of the existing private sector quality
24 assurance initiatives, both in the commercial
25 setting, as well as on farm, with different

1 species groups that currently exist, and that
2 goes back to this comment about whether we look
3 at guidance or regulatory approaches as the
4 appropriate vehicle in the future.

5 A second potential area in the
6 framework that might need to have more focus,
7 we're not sure -- and you've heard this
8 discussed by some of the other reporters
9 already today -- that there is an adequate
10 homework done in this document yet about the
11 authority that FDA and the states might already
12 have, under existing federal and state laws, to
13 conduct on-farm inspections, particularly for
14 cause. I think -- We didn't have a real
15 thorough discussion of the kind of inspections
16 that we might be looking at on farm, but I
17 think the general -- within our group, there
18 was a belief that a for-cause inspection might
19 be an appropriate thing, but to have broad,
20 regular GMP-type inspections on farms is really
21 overreaching in this area. But that factual
22 piece needs to kind of be filled in, we think,
23 to the framework as to what the existing
24 authorities are.

25 And third, before I turn it over to

1 Liz, we felt there was a need for more
2 collaboration between -- within all sectors,
3 and that includes between different federal
4 agencies, a good example being the DOT's recent
5 final rule issued on the Safe Food
6 Transportation Act, where they call for MOUs to
7 be established between FDA, USDA and DOT on, on
8 enforcing the existing standards that USDA and
9 FDA have in place on transportation between
10 federal and state governments, through
11 different kinds of MOUs, and between federal
12 and state and the private sector, and that can
13 range from -- the gamut of all the kinds of
14 areas that we're looking at addressing here,
15 from ingredients to commercial-manufactured
16 feed to specie and on-farm mixer-feeder-type
17 groups, as well as the transportation sector.
18 And we have in place some models that we might
19 be able to use in that regard, best-man --
20 best-management-practice-type collaborative
21 agreements that have been worked on between
22 industry and FDA in the past, that might serve
23 as a vehicle to look toward as we move forward
24 in the future on that.

25 And to discuss the rest of our

1 report, I'm gonna turn it over to Liz. Thanks.

2 MR. WILSON: (Inaudible) ask any
3 question -- have any questions for Randy in
4 this first section or anything? Very good.

5 LIZ WAGSTROM, GROUP 6A

6 MS. WAGSTROM: Thanks, Randy. I
7 work for the National Pork Board. My name is
8 Liz Wagstrom, and as the regulated feed
9 manufacturers here that may not have a good
10 understanding of, of what we do on farm and
11 things like that, I just wanted to say, coming
12 from the pork producers, we know, as producers,
13 that we have a responsibility to provide a safe
14 and wholesome product, and that includes
15 feeding our animals in a way that does not
16 impact their health or the health of the people
17 who eat the product we -- that we produce.

18 We definitely need to know and need
19 to be involved and need to correct anything we
20 do, via feeding our animals, that may impact
21 the safety and the wholesomeness of our
22 product, so we want to be at the table, we want
23 to understand where you're going with an AFSS,
24 and we want to make sure that we are able to
25 continue to produce that safe and wholesome

1 product in a way that is economically viable
2 for the industry.

3 Now, as I get to the rest of the
4 questions, our group had a ver -- It was very
5 diverse. We had lots of ideas, and we put lots
6 of them just under questions that, maybe, they
7 didn't really fit, but we had opinions, and we
8 wanted them to be heard, so I'm hoping that
9 they actually make sense when you see our, our
10 answers.

11 We talked about how the Animal Feed
12 Safety System could help you maintain and
13 create a level playing field, and it's
14 interesting, because whichever segment of the
15 industry you're at, you always think that
16 you've got it worse than the guy either
17 upstream or downstream from you, but we did say
18 there are areas of the industry that, that
19 would be held to similar standards as the rest
20 of the industry, including from the very, very
21 beginning, whether it's the ingredient
22 manufacturer, all the way down to the end,
23 whether it's the producer that has a
24 responsibility and is responsible for the
25 safety of the product that they produce.

1 We also thought that you could help
2 level the playing field with a correctly
3 designed system by having clearly defined roles
4 and responsibilities among agencies so that
5 there was this -- not an overlap or a
6 reluctance to step in when there is a problem
7 because nobody is sure who's got the authority.

8 We definitely thought that we
9 could -- that it could help by assisting to
10 develop educational information, whether it was
11 sample SOPs or, you know, other information on
12 a, a feed safety system that could then be
13 distributed through the producer groups and
14 through the industry groups and become part of
15 their volunteer quality assurance programs to
16 really build kind of a, a culture of feed
17 safety as part of an operating practice. And,
18 you know, as an example, for many of you who
19 aren't familiar with the pork industry, in
20 1985, we had issues with, with violative
21 residues in our pork. As a result, Pork
22 Quality Assurance Program was developed. We
23 now have almost 80,000 producers that are, are
24 on -- certified under Pork Quality Assurance,
25 and our violative drug residues are almost

1 nonexistent. They're very, very low. They're
2 well within the acceptable ranges. And there
3 are consequences, obviously, for the producers
4 who have violative residue. So that's just an
5 example of how a quality assurance program can
6 help address problems.

7 We definitely need -- felt there was
8 a need for these agreements -- along with
9 defining roles, the agreements between
10 regulatory agencies, and then also, the
11 regulated industry, as Randy mentioned with the
12 GMPs. Best done through collaboration and, and
13 planning rather than, perhaps, necessarily
14 increased regulation.

15 And then, finally, we all agreed that
16 each segment of the industry needs to assume
17 responsibility for the safety of their product.

18 Under Question 5, how can the Animal
19 Feed Safety System help you address risks to
20 human and animal health, one of the things we
21 thought is we, we are missing data, and the
22 development of risk systems and the whole
23 prioritization may help provide information to
24 feed segments about not only segments that
25 haven't had much attention, but also help them

1 identify where the risks enter their system,
2 where they're best addressed. Really help us
3 decide what risks are truly risks versus
4 perceived risks, what's real versus
5 theoretical.

6 And also, we really talked a lot --
7 We had a -- We got into a dioxin talk. It
8 sounds like a few other groups got talked
9 dioxin (sic), and help us understand: What's a
10 limit that, that really creates a risk, you
11 know? And do we have the data that says, you
12 know, If you have a foreign substance -- which
13 we decided was better than "contaminant" -- at
14 what level does it present a risk, and at what
15 level is it background? And, and that was
16 something that we felt was really missing.
17 There are now firms, if you test for something
18 and you find it at any level, then what do you
19 do? Is it a risk? Isn't it a risk? What do I
20 do with the product? How -- Do I have to
21 report this to somebody? So that was something
22 we hoped could come out of the whole setting
23 the risk ranking.

24 By understanding what the risks are,
25 you're gonna able (sic) to prioritize where you

1 need to intervene. Is there a need for
2 intervention? Is there a need to protect --
3 Will this intervention protect public health?
4 So we thought the risk-assessment portion of
5 the project, although it's gonna be the most
6 difficult, it's gonna be the most rigorous,
7 will probably create a lot of value, and it's
8 -- The value it may create, to begin with, is
9 just identifying knowledge gaps and allowing us
10 to understand where we need to fill in those
11 knowledge gaps, and it's gonna afford a more
12 uniform approach to problem solving. If you
13 set up a hazard as a model and this is how
14 you -- how you address it through the system,
15 then, as another hazard may be identified, you
16 have a model for a way to look at addressing
17 it.

18 We also thought that by having a
19 pro -- you know, looking at the process
20 control, it may make manufacturers more aware
21 of their process, and it increases the
22 awareness of the issues. And, and then,
23 definitely, we talked a lot about the need for
24 collaboration to determine levels of concern.
25 Work with all the areas of the industry, get a

1 collaborative effort, get an agreement that
2 there is a concern, work through how to address
3 that concern, and that's probably a way to get
4 by and -- rather than just adding on a lot of
5 regulation.

6 And again, this bottom one is kind of
7 a reiteration of our dioxin talk. We need to
8 understand what levels of risk exist when you
9 find something and, you know, have the data to
10 say, Here is an acceptable level or an
11 unacceptable level.

12 Then we got to talking about trade,
13 and started out, we divided it between domestic
14 and international trade, and under domestic
15 trade, we actually got to talking about
16 something that may not -- that, that came kind
17 of out of the -- you know, the blue -- and I
18 don't know that it's been addressed with the
19 AFSS -- was that perhaps that AFSS would allow
20 a regionalized approach to risk, and we had
21 examples, like, in areas. Blister beetle may
22 be a regional concern, but it's not in other
23 regions, so how does AFSS address, even within
24 domestic trades, the difference between
25 geographic regions in the United States?

1 We also talked about that by
2 preventing any health incidences that may, you
3 know, theoretically, come through animal feed
4 or possibly come through animal feed, we -- Our
5 consumers assume we provide them safe food. We
6 want to maintain that assumption, and we want
7 to, you know, not have an incident that may
8 shake consumer confidence.

9 With international trade, we wanted
10 to make sure that with the new Codex
11 animal-feeding document, that we don't have any
12 sanitary and fido sanitary issues in exporting
13 meat if the AFSS is not in line with the Codex
14 document. And I'll put in a plug for our poor
15 quality assurance program. We're in the
16 process of rewriting it this year, and one of
17 the things we are making sure is that our PQA
18 program is going to be in line with that Codex
19 document so that we can document that we are in
20 line with that Codex document.

21 We also, though, when we talked about
22 international standards, wanted to make sure
23 that those were standards, that we tried to
24 meet, that were based on science, that were
25 achievable standards, not -- We got into

1 discussion over who, who -- certain countries
2 that say, This is what we do, but do they
3 really do it? And so we wanted to make sure
4 that we had standards that were scientifically
5 based and that were achievable and, and not
6 just a lofty goal that would be nice to meet.
7 And so that's where we went on international
8 trade.

9 We talked a lot about economic --
10 Well, actually, we talked more about costs.
11 Economic benefits. We talked -- did talk a lot
12 about: What is the cost -- the risk versus
13 cost benefit, and is, is the money that you
14 might spend -- and we'll get into this more in
15 the next question -- to implement and comply
16 with such a program going to provide benefit?
17 And we felt very strongly that there had -- at
18 least most -- some of us in the group, felt
19 strongly that if you -- you had to show a
20 benefit. You had to be able to say that if
21 we're going to go this extra mile, there is a
22 benefit to either animal health or public
23 health.

24 Again, we talked about maintaining
25 consumer confidence that is equal to

1 maintaining trade. Obviously, we don't want
2 our names in the newspapers, we, we don't want
3 our names on the -- 60 Minutes, and, you know,
4 we have to provide a safe product.

5 We did think that by having a
6 system -- an integrated system that had -- was
7 risk-based and scientifically based, that if
8 something went wrong and you went back and you
9 said, Here's a set of -- whether it's good
10 practices or whatever, and went back and
11 reviewed that product and how it was, was
12 produced and that it had been produced
13 following these good product -- or good
14 practices, but it did provide a defensible
15 position, that you said, Here are the things we
16 did to assure safety, something went wrong,
17 we'll, you know, make -- try to correct it,
18 make sure it doesn't go wrong again, but it's
19 sure a lot better to say, We had a set of
20 practices that we were able to show we
21 followed, instead of just saying, Well, we
22 threw a bunch of stuff in, and, well, something
23 went wrong. So that, that was the idea that,
24 you know, did provide a, a ruler to be judged
25 against, perhaps.

1 When we got to cost concerns, we got
2 pretty passionate, even though it's toward the
3 end of the discussion. There was no doubt
4 among the group that if you have additional
5 inspections, sampling, testing, record-keeping,
6 retention of samples, whatever, it will add
7 additional cost, and it'll add additional cost
8 in every segment of the industry. And so --

9 And then our -- The regu -- The
10 inspectors and regulators in our group started
11 talking about their additional costs, including
12 equipment they might need as -- in --
13 disinfectant equipment, if they go on farm. Do
14 they need bigger cars or bigger vehicles to
15 carry the equipment? What are their safety
16 concerns on farm, including biosecurity? Once
17 you have been on a farm, do you end up having
18 to have downtime to shower, disinfect? You
19 know, you can't necessarily go from farm to
20 farm, or there's -- At least most producers
21 aren't gonna like it if you go from one farm to
22 the next. So what is that -- What is the
23 time -- downtime you're gonna have? So there
24 were costs throughout the system, on all ends,
25 whether it came from regulatory or from

1 producers or from manufacturers.

2 It'd be nice to think you can take
3 those increased costs and pass them on to
4 consumers. That's usually not reality in
5 agriculture, and if it is -- would become
6 reality here, what does that do for the
7 consumers? We do know that anytime the price
8 of meat increases, that consumption does go
9 down in some -- in most cases.

10 We also talked about the impact not
11 only to small producers, which is where I came
12 from, but also to, perhaps, the small feed
13 manufacturers. If there is increased costs,
14 increased need for -- whether it's, you know,
15 specialized weighing or mixing machines or
16 whatever, it is likely to cause producers and
17 small manufactures to exit the industry. We're
18 consolidating rapidly, and this may increase
19 the, the rate of consolidation.

20 We definitely looked at: What are
21 your up-front costs for somebody? And I think
22 we talked more from a manufacturing point of
23 view, but it could be from a producer point of
24 view, too, for staff costs to train them on
25 sampling, on record-keeping, on doing

1 microbiological assays, et cetera. So we
2 looked at education and training. It may --
3 After you've gone through the process, that,
4 over time, you may recoup those costs, but it's
5 definitely looked at as an up-front cost of
6 education and training.

7 And then finally, if this becomes
8 truly regulatory based with a fine and
9 enforcement potential, there is the cost --
10 potential cost down the road of financial
11 penalties, and that was probably the -- That is
12 on the bottom of the list, 'cause that wasn't
13 our top-of-mind concern of cost but definitely
14 needed to be considered as a potential cost of
15 the program.

16 And the final question on how AFSS
17 could help us in other ways, we got back again
18 to where we really talked about: Will there be
19 improved safety? Does this improve safety? If
20 it improves safety, it improves safety at what
21 cost? And we really thought there needed to be
22 some risk benefit or cost benefit -- or
23 cost/risk benefit assessment of what, what you
24 would gain in increased safety versus the cost
25 of implementing a system like this.

1 We did have -- think there was a
2 potential to -- Because this is a systems
3 approach and, and it would be throughout the
4 entire system, there may be a chance for
5 improved overall compliance, and especially if
6 it -- you know, with the increased education
7 and putting it into quality assurance programs
8 and having, you know, a systems approach, not
9 from -- just from FDA but from the
10 manufacturers and the producers. You know,
11 with their quality assurance program, there may
12 be an improvement in overall compliance,
13 although nobody could tell us that we had a big
14 compliance problem at this point in time. It
15 wasn't that we thought there was a big
16 compliance problem.

17 We thought that, perhaps, industry
18 segments that didn't currently have quality
19 assurance programs, if we worked with the
20 Animal Feed Safety System as part of a quality
21 assurance program, maybe, enticed to develop
22 quality assurance programs for their industries
23 or their segments of the industry. We
24 definitely thought that we, again, wanted to
25 stress that, you know, you needed to clarify

1 the responsibilities of all parties involved
2 and that perhaps defining the system would help
3 clarify those responsibilities.

4 And then we talked about, finally,
5 that there needed to be collaborative
6 development to improve communication among the
7 sectors and that we felt, in a -- some way,
8 that collaboration was gonna be the only way to
9 really get buy-in to any kind of a feed safety
10 system that -- You know, if all the people
11 aren't at the table, if they're not looking at
12 the impacts and the benefits to their portion
13 of the -- of the feed chain, that it was going
14 to be tough to get, get, you know, a good
15 industry -- or good -- total buy-in, and we
16 felt that that way, you could look at -- as you
17 worked with each segment, addressing risks in
18 the way that's most appropriate to that
19 segment.

20 And as a closing, I'm just gonna give
21 you -- tell you a little story of the Danish
22 pork industry, and I, I am very fortunate that
23 I get to go to Denmark, probably -- at least
24 once a year since I started with the pork
25 industry, and many of you may know that Denmark

1 has got a -- started out with an incredible
2 on-farm food safety program, and they've
3 spent -- They spend -- still spend about 60
4 cents a pig on on-farm salmonella control, and
5 they've got salmonella feed controls and things
6 like that.

7 And over the years, they've very much
8 stressed a stable-to-table approach, as we do
9 farm-to-fork approach, and when we were over
10 there this last year and they started really
11 looking at the benefits of that approach, the
12 pork industry there said, Well, we're starting
13 to call it a table-to-stable approach now, and
14 I said, Well, that makes me feel kind of -- a
15 little nervous, because that means everything
16 at the table is a problem at the stable? And
17 they said, No. What it means is we start at
18 the problems with the stable, and we go just
19 as -- or at the table, and we go just as far
20 back in the system as we need to go to correct
21 the problem to make it safe at the table.
22 We're not assuming we have to go all the way
23 back to the stable.

24 So I think that as you looked at that
25 risk-based approach with an animal feed safety

1 system, as you look at that end product or the
2 end risk and go as far back as you need to fix
3 it. That's, that's my pers -- That wasn't from
4 my group. That's my, my personal story about
5 the Danish pork industry, but I think we can
6 learn a lot from that.

7 I'd be glad to take any questions.

8 Okay. Short. People must want to go home.

9 MALE VOICE: On this idea of a
10 risk-based system, you know, it occurs to me
11 there needs to be a baseline established to
12 determine what the risk is, and I'm -- It might
13 have been Dr. Grabers (sic) or one of the
14 earlier presentations, it was up there that
15 something happened in '68, and something
16 happened in '74, and then something happened in
17 '83 --

18 MS. WAGSTROM: Uh-huh.

19 MALE VOICE: -- of national
20 importance. Well, to me, that doesn't
21 connotate (sic) a tremendous amount of risk,
22 and kind of makes you wonder.

23 MS. WAGSTROM: Right.

24 MALE VOICE: And lastly, just
25 quickly, I wanted to thank Randy for bringing

1 up this whole idea of the unapproved
2 ingredients. Seems to me also that as long as
3 we're allowing unapproved ingredients in feeds,
4 that's a little bit contradictory to an overall
5 feed safety system, and -- Anyway, just a
6 comment. Thank you.

7 MS. WAGSTROM: That's one of the
8 things we thought with the whole risk-based and
9 risk assessment, is you're going to help,
10 really, identify what truly is a risk and also
11 identify your knowledge gap, so that, that was
12 one of the things we really thought was
13 important.

14 MR. WILSON: All right. For --
15 Our last group is Group 6B, and if you'll
16 notice, when we're going through here, that,
17 that Questions 1 through 4 on Group 6A and 6B
18 are basically the same, but 5 through 8 are
19 different. So 6B, if I understand, is Bill
20 Grande?

21 MR. GRANDE: That's fine.

22 MR. WILSON: "Grand" (phonetic)?

23 MR. GRANDE: "Grandy" is fine.

24 MR. WILSON: "Grande"?

25 "Grandy"? Okay.

1 MR. GRANDE: Yeah. Thank you.

2 MR. WILSON: Grandy/Grande --

3 MR. GRANDE: Grande, yeah.

4 MR. WILSON: -- tomatoe/tomato.

5 MR. GRANDE: There you go.

6 MR. WILSON: Very good.

7 BILL GRANDE, GROUP 6B

8 MR. GRANDE: I don't do very
9 well behind a podium, so I'm gonna be out
10 front. And these groups and sessions that are
11 put on by the FDA are certainly appreciated,
12 and I appreciate being here. While we do
13 participate in these, we all have jobs, and I
14 was, unfortunately, delayed in getting here, so
15 I don't have any notes, so I'm gonna have to
16 work off the PowerPoint.

17 Our group, as everyone before me has
18 stated, was very involved in our topics of
19 discussion, very insightful, folks from
20 different parts of the industry, regarding the
21 components and what we agree with. The -- You
22 know, how can you decide on oversight before
23 deciding risk, was one of the issues, and we've
24 heard it before. You know, being the last up,
25 there's gonna be some repetition, and I

1 apologize for that, but, you know, how can you
2 decide on oversight before you really
3 understand what risks you're facing and the
4 degrees of risk and the hazards that those
5 risks might, might pose?

6 And then thinking about tolerances
7 and -- Once you decide what risk factors there
8 are, the hazards that they may present, what
9 are the tolerance levels? And it was felt by
10 our group that we needed more data, more
11 information before we could really decide on
12 that.

13 And then focusing on significant
14 risks and, and the significance of those risks.
15 Again, different parts of the industry,
16 different processes involved all bear on, on
17 what levels might be acceptable and, and the
18 ranking of those, and with all that, you know,
19 flexibility, and we've heard a lot in previous
20 discussions. This type of, of a feed safety
21 system needs to have flexibility. It needs to
22 be adaptable to the various components within
23 the, the manufacturing of feed. We, too, like
24 others, had a real problem with the term
25 "contaminant" or "contamination." The

1 liability issue, real or perceived, was of
2 great concern, so our group, as well, was
3 trying to figure out what we could use as a
4 synonym to replace "contaminant."

5 The bottom-up approach was
6 interesting for us in how you could begin to
7 develop the risk and the ranking.

8 Transportation, really interesting
9 for us. As others had stated: How do you deal
10 with all of the various modes of transportation
11 for feed and the different aspects of hazard
12 and risk that they bring, and then how do you
13 address those? Let's see. Certain farm
14 (inaudible). Yeah. And then again, different
15 segments where farms -- they have different
16 components. They receive, maybe, ingredients,
17 or they have complete mix, and so how do those
18 folks deal with the various issues?

19 What else, Tim? I'm stuck.

20 NANCY: The question was whether
21 (inaudible) produced feeding (inaudible), and
22 the question was: The animal (inaudible).

23 MR. GRANDE: Yeah. Thank you,
24 Nancy.

25 NANCY: In this particular

1 question, there was a discussion about what our
2 -- on-farm processes would be controlled. It
3 said, The farm doesn't produce feed; it
4 produces animals. Question was whether or not
5 those animals are, are regulatable until they
6 become food.

7 MR. GRANDE: Yeah, exactly.

8 Thank you, Nancy. I appreciate that.

9 MALE VOICE: (Inaudible.)

10 MALE VOICE: Animals intended
11 for food use, such as beef, et cetera, et
12 cetera, are, by jurisdiction, food, walking
13 food, so . . . Under FDC Act. All right.
14 Thank you.

15 MS. DUNNAVAN: But that's -- But
16 that's why we had our -- that second --

17 MALE VOICE: Second question,
18 wasn't it?

19 MS. DUNNAVAN: That's what led
20 to that second point here about health for
21 sale. If you're having feed produced on farm
22 to give to the animals and your real product
23 are the animals, where is our jurisdiction on
24 the feed? And that's why we have the health
25 for sale. So we consider that feed health for

1 sale if it's going to, to animals that are
2 gonna be marketed, so food animals. So those
3 two, sort of, points kind of go together.

4 MR. GRANDE: Okay. Thank you,
5 Glo. You can -- There you go. Okay. And then
6 -- (inaudible). Yeah, and as we've -- as we've
7 touched on, recognize that the different
8 components with -- within feed need to be
9 treated differently, because they can -- they
10 can contribute -- There are, potentially,
11 different risks and levels of hazard, so you
12 have to treat them differently, and how, how
13 might that -- how might that be addressed?

14 FDA recognizes differences, looking
15 to incorporate similarities and commonalities,
16 so, as we've said, you know, how might those
17 differences be, be addressed? Training SOPs,
18 control variabilities, you know, what are the
19 hazards that these types of things might look
20 to? How do you control different hazards
21 across the continuum or across the
22 feed-manufacturing program? You know, how --
23 Training, and we heard about training in the
24 past. How do you train to meet controls that
25 are set? If there's a problem, is it likely --

1 (Inaudible) off-the-screen producer. I
2 don't -- What was that, Nancy? I don't know
3 what that -- I'm sorry.

4 NANCY: I'll just hold on to
5 this for a minute. If there is a problem, the
6 comment was it was likely to be an
7 off-the-screen producer. In other words, one
8 of those folks that you don't see very often.
9 Could be one of those, those portable mixers.
10 It could be one of those, those folks that's
11 buying something that most of us wouldn't think
12 about. And the comment was -- to that that the
13 additional cost of running these programs to
14 reputable dealers or reputable folks would not
15 affect the, the bad actor again.

16 MR. GRANDE: Yeah. What -- With
17 this program, how might we be able to
18 strengthen existing rules, AAFCO, and, and
19 we've heard about other potential models, other
20 potential quality system methodologies that
21 could be used, so how might this umbrella --
22 we, we looked at that as a term -- how might
23 this umbrella strengthen those?

24 When we look at ingredients, key
25 elements, background tests for hazards, what

1 might those be beyond what is currently
2 considered industry practice? The -- Work
3 upstream from the product, so maybe the, the
4 table-to-stable, as we heard just a moment ago,
5 working back might be a way.

6 Product expectation. You know, the
7 customer has an expectation for the product
8 that he or she is receiving, so if the -- if,
9 if we look at a product spec, that's our
10 target, and then internal to the operation
11 would be the processes that you control to
12 deliver on that product expectation.

13 Regulatory component to that product absolute
14 -- for that product. So specific to the
15 product that you're making, there could very
16 well be different levels of process control
17 given on -- given the product that you're
18 making. It will probably vary based on that
19 end product and, and the, the spec that you're
20 trying to hit. Processes begin where -- Yeah.
21 Where, where might that process begin? Where,
22 where would the first point be that you would
23 need to incorporate some type of process
24 control?

25 We talked some about the economics

1 and, and customer expectations. Again, if, if
2 you're trying to figure out what level of risk
3 avoidance or what types of hazards are
4 important, it might be looking at the
5 customer's product spec and the expectation
6 that the customer has, and that could be some
7 of the framework that you would look to to go
8 back into your process and develop control
9 points. Is that -- Is that a fair
10 representation? Yeah.

11 And with that, again, flexibility and
12 naming hazards. I think this relates to,
13 again, product-specific or, or process-specific
14 components within an individual
15 feed-manufacturing system. And then
16 specifications. Again, we talked a lot about,
17 about the, the end -- the end product, the
18 finished product, and how the specs that you're
19 trying to hit should dictate what types of the
20 products -- what product specs would dictate to
21 processes within your manufacturing operation.
22 What exists on the book? What was that, Nancy?

23 NANCY: That refers again to
24 what rules, what regulations, what statutes.

25 MR. GRANDE: Oh. Current,

1 current rules and regulations, and do we really
2 need more, given what we already have? And
3 then maybe marrying those with AAFCO or other
4 quality-assisted methodologies, could we
5 strengthen what we currently have and, and
6 achieve the end result? And then
7 problem-oriented fixes. Again, trying to be
8 proactive.

9 Question 3, missing components.

10 Traceability. We didn't -- We didn't really
11 see anything about traceability, and that
12 brought up some real interesting questions
13 for -- What exactly is traceability? How, how
14 far back or how far forward do you go, and then
15 how do you do it?

16 Education was a big one -- and we've
17 heard that before -- for training, not only for
18 folks that might be on the regulatory side,
19 but, but in the feed-manufacturing facilities,
20 as well. How do you create awareness for folks
21 that need to abide by whatever regulatory
22 issues may present themselves? Point of
23 origin. What was that, Nancy? I, I don't --

24 NANCY: That was a question,
25 again, of keeping track of where your

1 ingredients -- where your products came from.

2 MR. GRANDE: Oh. So the
3 trace -- more traceability and tracking within
4 the program. Record-keeping nightmares.
5 Again, if -- depending on how far forward you
6 might have to go, knowing where your feed is.
7 I think that was one, one question related to a
8 particular feed that was sold at the last, last
9 point of retail. Having to know where that --
10 where that feed actually wound up, how would
11 you do that?

12 Mandatory system. They have IP
13 issues. This was intellectual property, so if,
14 if I have a particular system or process for
15 manufacturing feed that's proprietary and I
16 have to now share it through inspection or some
17 other vehicle, I would lose that intellectual
18 property right, and that was a -- that was a
19 concern. And then voluntary self-inspection,
20 we talked some about how we could -- how we
21 could utilize that as a tool to, to create
22 better compliance.

23 And then again, our -- the
24 components, all part of an umbrella, and again,
25 we were looking at -- and thinking about how

1 this Animal Feed Safety System could be an
2 umbrella over all of the existing regulatory
3 pieces and other quality system methodologies
4 and food safety programs and, and kind of marry
5 all those, but yet still have flexibility so
6 that you could address the various
7 feed-manufacturing components that go into the
8 finished -- making the finished product.
9 Process control, certainly one. I'm not sure
10 what the "who chooses" --

11 NANCY: The "who chooses" refers
12 to: Are you using a process control? Are you
13 using a product control? And who, who decides?

14 MR. GRANDE: Yeah. And who
15 decides, yeah. And I -- And I -- Yeah, who
16 decides. And, and there was a lot of
17 discussion that we're not there yet. We just
18 don't know. More information is needed.

19 Industry-developed systems are
20 acceptable. Again, there are several, so
21 again, under that umbrella, how best do they
22 fit given where you might be in the -- in the
23 feed-manufacturing program? How can we help
24 you build your system? So I think that was
25 speaking to this, this whole effort. How could

1 we -- How could we build a better feed safety
2 system? Utilize (inaudible) as part of the
3 educational team (inaudible) --

4 NANCY: That was "trade
5 associations," for whoever typed that.

6 MR. GRANDE: There you go. Meet
7 uniform minimum standard. Yeah, we were
8 talking about having a baseline, leveling the
9 playing field for all the folks within the --
10 within the feed industry, and then how you'd
11 want it to build on top of that is entirely up
12 to -- up to you, for, for where you are in the
13 business.

14 Without defining standards, how can
15 you document improvement? Yeah, that's, you
16 know, baseline. We've heard a lot about
17 baseline. There certainly should be a baseline
18 coming from FDA, but within an individual
19 operation, you're gonna create your own
20 baselines. I mean, that's -- Within quality
21 systems work, you have to start somewhere, so
22 you, you start building baseline data, and
23 that's from where you measure improvement. So
24 there could be an argument about having,
25 actually, a minimum baseline, and then industry

1 or individual people could build off of that
2 and, and relate that to their internal baseline
3 data.

4 Medicated CGMPs are a shining example
5 that works, and I think we've -- we heard that,
6 again, earlier today, about how that could
7 be -- how something similar could be applied
8 across, across the remaining feed-manufacturing
9 components.

10 Transportation, and, and it's broken
11 on the slide, but we, too -- We had "mission
12 impossible" in quotes, because, as we heard,
13 earlier, how do you do it with rail and barge
14 and truck and Ready Mix trucks running around
15 manufacturing feed? We, we talked a lot about,
16 particularly with rail and truck, the
17 diminishing numbers of railcars and trucks,
18 and, you know, it was -- Many of us are at the
19 mercy of the railroads for, for wanting either
20 dedicated cars or clean cars or knowing that,
21 that what was in the car previous to your load
22 doesn't present a problem. How do you do all
23 that? So that's why we framed it as "mission
24 impossible." And then some of the examples,
25 just the age of equipment and how they're

1 treated out there, verification of clean-out.
2 There's been a big effort on trucks, with,
3 probably, a pretty good degree of success, but
4 again, if you go back to rail or barge, it's a
5 much more daunting task.

6 Backhauls. We talked about the price
7 of fuel and how folks aren't gonna be
8 deadheading. I mean, they're gonna be pull --
9 They're gonna be want to having (sic) loads
10 coming back, and you don't necessarily know
11 what they're backhauling.

12 Product disposal. This was -- This
13 was the issue with --

14 NANCY: It was a damaged load --

15 MR. GRANDE: Damaged load.

16 NANCY: -- and the trucker,
17 under DOT regulations, has complete authority
18 to get rid of that load wherever he wants.

19 MR. GRANDE: Right. And, and --

20 NANCY: It doesn't belong to you
21 anymore.

22 MR. GRANDE: Right. And, in
23 fact -- Yeah. He could sell it, and, and, and
24 it's your stuff, and it could create a problem
25 somewhere, and so that -- I think that's a,

1 a -- We talked about needing to get with DOT
2 and, and revisit some of those regulations that
3 were how old? Some --

4 NANCY: Well, they were supposed
5 to write regulations starting in 1990.

6 MR. GRANDE: Yeah. Yeah. There
7 you go.

8 NANCY: Some of you have kids,
9 you know, that are in the middle of high school
10 now.

11 MR. GRANDE: Yeah. Yeah. Yeah.
12 So, you know, with all that, the regional
13 differences, as well. We talked about unit
14 trains and 108 -- you know, the railcars, and
15 there's more, more folks that are -- that are
16 having dedicated railcars, and with that,
17 there's better control, but, you know, if you
18 have individual cars or smaller, smaller groups
19 of cars, the control becomes less and less.

20 Ruminant meat and bonemeal. That was
21 the situation where you would have to have --
22 either owning or leasing cars to know that
23 you -- that you aren't winding up with some
24 kind of a cross-contamination issue.

25 Increased regs can increase risk.

1 I'm not sure what that one was.

2 NANCY: That was a question
3 regarding: If you put folks at risk for losing
4 their, their transportation, then they'll use
5 anybody who'll haul what they need.

6 MR. GRANDE: That's right.
7 Yeah. Exactly. Yeah, yeah. And that related
8 back to the diminishing numbers of folks
9 hauling stuff.

10 Approved suppliers, we talked a
11 little bit about that. How, how do you go
12 about developing a, a supplier program, an
13 evaluation program, and then making sure that
14 what the supplier is delivering to you is what
15 you've asked for?

16 On-farm safety issues, again, we
17 spent some time thinking about, you know, what
18 -- what's the scope of that, and how do you --
19 how do you level that playing field with --
20 against some of the commercial feed
21 manufacturers? And that's been discussed, I
22 think, enough.

23 Feeding food, producing animals,
24 customer satisfac -- Yeah, again --

25 NANCY: Customer -- Yeah, the

1 customer satisfaction issue there is: Can you
2 sign that certificate that says that cow hasn't
3 eaten any ruminant material? Can you -- Can
4 you make sure that you're part of that Pork
5 Quality group?

6 MR. GRANDE: Right. Do you
7 really know? Yeah. Do you really know? Yeah.

8 Again, education. Very broad topic,
9 starting with the consumer and going back or
10 starting with, with folks in the -- in the
11 feed-manufacturing program and going forward.
12 It really doesn't matter. Just everyone needs
13 to understand what -- you know, what the feed
14 safety program is all about and where they play
15 and what their contribution needs to be.

16 I.D. the risks, spot 'em up. That
17 was -- Yeah.

18 Finding and inspecting ruminant
19 feeders. What is the risk and perceived risk?
20 What was the emphasis on that, Nancy? I --

21 NANCY: Well, the emphasis there
22 was particularly regarding the next statement
23 that says, Some risks, such as that for BSE,
24 are decreasing because of increased compliance
25 with the rules and the changes to the rules,

1 but, as we heard earlier today, the perception
2 of that risk is still very, very high.

3 MR. GRANDE: Right. Yeah. And
4 then: What is the risk of unapproved
5 ingredients? We heard -- We heard some of
6 those comments, the -- today. It's an unknown.
7 What is the risk?

8 State regulatory programs are more
9 effective. The funding issue, we've heard.
10 You know, as the scope grows and with budgetary
11 constraints, you know, how do you do more with
12 less?

13 Reinforce issue and compliance with
14 AAFCO definitions. Again, the umbrella issue,
15 looking at current programs out there married
16 with quality systems methodology, and define
17 risks and hazards, focus on bad actors, so if,
18 if you've got folks that are doing what needs
19 to be done, doing a good job, can you turn your
20 attention to, to areas that, that might be more
21 important in risk and hazard control?

22 Voluntary process control. I think
23 that relates to the inspection -- the
24 self-inspection program. Having capable and
25 trained personnel. So again, how do you

1 effectively train and make sure that your folks
2 understand their roles and responsibilities?

3 What other -- What other issues might
4 AFSS help us with? Well, getting
5 industry-involved, and that's certainly evident
6 today -- over the last two days, and then
7 having representatives of those folks as part
8 of the -- part of the development of this -- of
9 this program.

10 And I think that's it. Sorry for it
11 being so disjointed.

12 MALE VOICE: We have a couple
13 over here.

14 FEMALE VOICE: I'm so sorry,
15 everybody. I was part of this group, and I
16 just wanted to comment. We did have quite a
17 bit of discussion about -- The, the Food and
18 Drug Administration is sort of talking here
19 about risk and hazards and -- but our group did
20 have a -- just a lot of discussion about the
21 fact that there are other things to think about
22 when you're -- when you're looking at these
23 systems and customer satisfaction, and, and
24 being able to talk about your quality product
25 to your customers is a real advantage and a --

1 something that our group talked about, even
2 though FDA is kind of focused on, on the risk
3 and the bad stuff. So I think that was an
4 important point that we spent quite a bit of
5 time on.

6 MR. WILSON: Do we have any
7 other questions of this group? Ladies and
8 gentlemen, I want to thank you very much.

9 MR. HERMAN: Yeah, I'd like to
10 make a comment.

11 MR. WILSON: This has been a --
12 Whoa. Never mind.

13 MR. HERMAN: Yeah. Yeah. Tim
14 Herman, Office of the State Chemist. That is
15 Texas State Chemist.

16 MR. WILSON: Republic of?

17 MR. HERMAN: If, if there was
18 only -- No. You're gonna have a little bit of
19 fun with that.

20 I think that maybe -- And we have one
21 other folk -- person from Wyoming, who was
22 there, who could answer No. 7, and I think
23 Question 7, what make -- what state regulatory
24 programs -- or excuse me -- make state
25 regulatory programs more effective, and I think

1 maybe we were the only ones who had that
2 question, so I just wanted to reinforce on
3 those components that, certainly, when I look
4 at it, Component 1 and 2, felt real good about;
5 Component 4, I think we all agree, you know,
6 show us the money; and Component 3, I don't
7 believe that there was an entire consensus, but
8 perhaps voluntary is the way to go, the way
9 everybody believed that process control would
10 be part of this overall universal concept of
11 what should be part of an animal feed safety
12 system, but how that would actually fit within
13 a regulatory scheme and -- or at a state level
14 was something that -- Well, maybe the emphasis
15 should be on voluntary, but clearly,
16 Component 1 and 2, we thought you guys were
17 really right on track and wanted to give you a
18 kudos in terms of how that can help us at a
19 state level.

20 MR. WILSON: Once again, any
21 more questions, please? Okay. Going once.

22 Again, ladies and gentlemen, thank
23 you for the -- for your open-discussion stuff
24 on these -- on these last, you know, very
25 important -- we've -- we, as FDA, feel are very

1 important issues. And we're not concluded yet,
2 because at this point, now, Ms. Gloria
3 Dunnavan, our --

4 MS. DUNNAVAN: Really open
5 discussion.

6 MR. WILSON: -- is going to have
7 a truly open discussion, which I'm sure she has
8 plenty of material to lead into to stimulate
9 the open discussion. Glo, take it away.

10 OPEN DISCUSSION MODERATED

11 BY GLORIA DUNNAVAN

12 MS. DUNNAVAN: Well, no, I'm --
13 This is just your one last wonderful
14 opportunity -- and I'm gonna go up front and
15 sit down -- to, to, to ask and get answers to
16 questions, to comment on issues that did not
17 come up in our discussion today that you would
18 like to comment on. We've got about a half an
19 hour, and I'd like to just open it up to, to
20 that kind of discussion, just give you a last
21 chance to, to comment, to question. You got a
22 captive audience here. The Animal Feed Safety
23 System Team is all present. It's a good
24 opportunity to -- I'm not gonna get any takers,
25 am I?

1 One of the things I want to comment
2 on -- and maybe, maybe you can address that a
3 little bit -- in listening today, there were
4 some common themes that I picked up on:
5 science-based, need more clarification;
6 transportation, who's really covered; need
7 cost-effective tests; imported products and
8 the, the complexities of dealing with that; and
9 education. And those were just some things
10 that I heard in multiple presentations, and I
11 don't know if I missed -- if there's some
12 others that you think are, are common themes
13 that we really need to think about and focus on
14 some more. Let me hear from you. Have any
15 comments? Yes?

16 MR. BURKHOLDER: Dave Burkholder
17 from here in Nebraska. There is some
18 uneasiness out here among the group, I have
19 kind of detected and felt myself, that FDA and
20 this whole risk-assessment process is, is going
21 to, to have the resources to, to draw up some
22 scary-looking material and, and put it in --
23 out in the public domain for, for the enemies
24 of animal agriculture to, to jump on without
25 really having the resources to implement the

1 program anyway, and therefore, you know,
2 nothing really constructive is gonna get done,
3 and a lot of not-constructive stuff is likely
4 to happen. Would you address that, please?

5 MS. DUNNAVAN: Well, I'll be
6 happy to address that. I'll first see if
7 there's any members of the team that want to
8 address that. I, I just, from my -- Oh, okay.
9 Go ahead, Karen.

10 DR. EKELMAN: Well, Glo, I was
11 gonna wait 'til you were done. I was just
12 going to say that if you do have a risk-based
13 approach, first, remember that we're not
14 estimating absolute risk, so you won't be able
15 to say, You ought to take care of this one,
16 because even though it's eighth down on your
17 list, it's 1 times 10 to the -9th animal is
18 going to die from this. You won't get that
19 information.

20 Secondly, if you have a risk-based
21 program, no matter what the resources are you
22 have to devote to it, you at least can know
23 that you're dealing with your most significant
24 risk, so if you have a lot of resources, you
25 can go further down that list. If you have

1 fewer resources, you don't get so far down that
2 list. But one thing you can do is use that
3 list to ask for more resources and ensure that
4 they're going to be used in a
5 risk-based-appropriate manner.

6 So it isn't really expected that
7 we're gonna have a lot more resources. It's
8 expected that we're gonna focus those resources
9 a little differently, and I'll let Glo -- Since
10 we don't have an animal safety system yet, we
11 often have different points of view, and we're
12 working on it. Thank you.

13 MS. DUNNAVAN: Karen and I
14 particularly have, sometimes, different points
15 of, of view.

16 Let me just make two comments. One
17 of the things that I -- that I certainly heard
18 in my group, and I think I'm sort of hearing
19 today, and I think this is, in part, your
20 comment, is that FDA is gonna come up with this
21 complicated, scary, new thing that, you know,
22 you're gonna have to scrap everything you're
23 doing now, and it'll be this new thing, and I
24 really don't think that's our intent. There's
25 a lot of good stuff out there going on, and I

1 suspect, for many of you in this room, if
2 you're an industry representative, that the
3 concepts we're talking about here, you may
4 already be doing a lot of that, and it may just
5 be focusing it in a particular way or tweaking
6 it or making -- helping to make sure that some
7 of your suppliers and customers are part of the
8 loop. So I'm not sure that -- for many of you,
9 that it's a brand-new, scary, different thing.
10 It's a more focused approach to a lot of what's
11 already going on.

12 I, I -- In my personal view, the
13 train is moving out of this station. Instead
14 of focusing on doing stuff, making a product,
15 and then at the end, you sort of look and make
16 sure, Do I -- Is my product okay, and if it's
17 not, you're missing -- you've just thrown away
18 a huge bunch of work and effort, so that the
19 sort of trend, as I see it, is to make sure
20 that you have processes in place so you don't
21 have to get to the end and test your product
22 and throw it away, but you can fix the problem
23 early, or you have assurances in place, you
24 know you don't have a problem at the end. So,
25 I mean, that's one issue.

1 The other one is that -- the issue
2 you bring up about resources. As the Director
3 of Compliance, you know, I'm kind of the
4 enforcer here, and one of the things in my
5 position is, is the emergency coordinator for,
6 for CVM. I can't tell you just how many
7 resources we end up spending when there is one
8 of these emergency situations, one of these
9 animals dying or feed contaminated, and we need
10 to get control of it. You spend an awful lot
11 of resources, and the states spend a lot of
12 their regulatory resources in ways that we
13 can't plan 'cause it happens today. You got to
14 deal with it today. And that takes many more
15 resources to deal with that kind of situation
16 than if we could have a program where we plan
17 inspections, we plan some sampling, we plan our
18 outreach efforts. And we can -- We can plan
19 that during the year so that we can use our
20 resources most effectively.

21 So one of the -- One of the problems
22 I see -- and I don't know if, if my state
23 counterparts want to comment on that -- I think
24 having a good program in place, that sort of
25 covers the waterfront, makes it much easier, as

1 an -- as a regulatory agency, to plan and deal
2 with these issues rather than, than being in
3 crisis mode all the time, and you got to deal
4 with Situation X, and then some of these other
5 things don't get done, and at the end of the
6 year, you're suddenly forced to sort of
7 scramble and get something else done, and
8 you're always in catch-up mode.

9 So I think this will be helpful from
10 a resource -- actually, helpful from a resource
11 perspective when resources are not likely to,
12 to be increasing in the near future. Probably
13 not in the distant future either.

14 Dennis?

15 DR. McCURDY: Dennis McCurdy,
16 CVM. In response to what you're talking about,
17 there was a paper -- it's on the Web, and it
18 was forwarded to CVM -- that appeared in
19 Journal of Animal Science. The paper misses a
20 lot of things, and I'm responding to that
21 officially for CVM. There was a meeting held
22 at Fort Detrick in Frederick, Maryland, about
23 that paper, and the authors were at Fort
24 Detrick and principally focused on biosecurity
25 and, and things that can happen in feed, but

1 the thrust of the article was -- is, we're not
2 doing enough to protect the consumer. That's a
3 large order and -- of accusations in that -- in
4 that -- accusation in that paper, and I am
5 responding to it, because it's not -- it's not
6 true in the complete sense. But there are
7 scientists and people who think they can get
8 some government money by selling the
9 proposition that we aren't doing enough,
10 so . . . Is perception everything?

11 MALE VOICE: This isn't on that
12 subject, but a year and a half ago, when we
13 were in Virginia and had this meeting, we
14 counted in -- There was only 10 percent of the
15 people from west of the Mississippi, and I
16 counted 'em up again today, and I realized we
17 don't have as many people here as we had back
18 in Virginia when we had that meeting, but close
19 to 45 percent of the people are from west of
20 the Mississippi today, so I think you got a lot
21 broader spectrum by meet -- bringing your
22 meeting out here -- out of the industry, and
23 really appreciate your willingness to come out
24 here to work with us, so . . . Thank you.

25 MS. DUNNAVAN: Thank you very

1 much for that. That's very insightful for us,
2 and if you walk away with nothing else from
3 this meeting, one of the things that I want you
4 to walk away with is, all of the comments that
5 we've heard today and in the discussions
6 yesterday are extremely valuable for us.
7 That's why we have these meetings. We, we need
8 the input. There were some -- I mean, it's,
9 it's very interesting to me to sit around -- We
10 talk about this, and we work on this, and we
11 think about it, and it's just crystal clear,
12 the vision, where we're going and what we're
13 gonna be doing and why we're doing it, and
14 it's very clear to me today. It's -- The
15 vision is clear to me, but it's not so clear to
16 all of you, and it's really, really important
17 for us to hear that, so I -- I'm -- I
18 particularly appreciate the fact that we've got
19 different types of, of representatives here
20 from different parts of the country than we've
21 had before and perhaps haven't had a lot of
22 discussion before about this, and so it's new
23 for them, and we get new and different eyes
24 looking at this and commenting on it. It's
25 extremely helpful for us.

1 So again, this is -- this is a great
2 opportunity for you if you have something you'd
3 like to say, a question, a comment, something
4 you want us to consider.

5 MALE VOICE: One of the things
6 that I find missing, which my company is
7 dealing with, and that is, you know, we hear of
8 a few animals here dying or a few animals there
9 dying, and we look overseas, and even in our
10 own country now, where we have these millions
11 of animals being destroyed because of a major
12 disease outbreak, and it seems like, to me, it
13 would be very proactive and would actually
14 complement what we're doing here if we started
15 understanding what role we would play or not
16 play in feeds as far as a major outbreak, what
17 we could do to mitigate, what we -- where are
18 our risks, that we could actually either break
19 an animal disease outbreak, make sure that it
20 didn't get transmitted through feeds, or, or
21 whatever, or where our risks really are in that
22 whole incident, if and when it may occur.

23 MS. DUNNAVAN: Actually, that's
24 a really good comment and one that I, I
25 didn't -- I didn't comment that I'd heard it,

1 but I've heard that from a couple of groups,
2 that role of, of animal disease and animal feed
3 related to animal disease and where we fit in,
4 and that's certainly, certainly a risk, and I'm
5 not sure we've had a lot of talk about that. I
6 know the risk group is sort of focused more on
7 the, sort of, known pathogens and the
8 chemical-contaminant-type things. So I think
9 that's a very valuable comment that we need to
10 go back and talk about, and, and I guess the
11 risk group -- the group -- the subgroup that's
12 working on that is hearing that and, I know,
13 will be taking that back to talk about and try
14 to factor in.

15 MR. LATNENBURG (phonetic):
16 Yeah, my name is Matt Latnenbrog -- burg
17 (phonetic), by the way, and yes, I'll identify
18 myself. I'm with APC, Incorporated. But --

19 MS. DUNNAVAN: Thank you.

20 MR. LATNENBURG: -- basically,
21 we are looking into, well, many incidences,
22 such as what in -- as specific disease, is a
23 thermal destructive force, and what would USDA
24 or FDA accept to get us back into operations,
25 for an example, and -- you know, so we don't

1 have to wait until this crisis occurs to start
2 understanding, as a feed group, what feeds are
3 in danger, what can we do in our feed
4 operations to render the product safe, where a
5 government agency would allow us to again start
6 productions and the like, and I think these are
7 things that certainly I'm working with some
8 universities at present, and we're just seeing
9 how much traction we can get to, to support
10 such an activity.

11 MS. DUNNAVAN: Do we have any
12 other comments? questions? concerns? issues?

13 MR. ROACH: Yeah. Hello. I'm
14 Steve Roach with Food Animal Concerns Trust.
15 We're a consumer group. I just wanted a little
16 clarification on part of the program, 'cause
17 there seemed to be two things, and I just
18 wanted to get this clear in my mind. I wasn't
19 clear. So you -- You're doing two -- several
20 different things. You would be doing risk
21 assessments to define which things you see as
22 the highest risk, and that's one type of
23 assessment, but then related to that is setting
24 the contaminant levels. So that's
25 semiquantitative, but then when you would set a

1 contaminant level, that would need to be
2 quantitative, and those would be two separate
3 processes, or maybe one would come after the
4 other? I'm just -- Because there are two sort
5 of similar things: setting the risk of
6 something, and then another thing is to set the
7 contamination. And is that correct, my
8 understanding?

9 MS. DUNNAVAN: I think you're
10 right, and I'm hoping that the, the risk group
11 will comment for me some more on that.

12 DR. EKELMAN: I think you both
13 have it --

14 MS. DUNNAVAN: Thank you, Karen.

15 DR. EKELMAN: -- exactly
16 correct. We're using a relative risk-ranking
17 method for our risk ranking, and we will use
18 that to, to inform us about whether or not we
19 need to develop limits for contaminants -- I'm
20 going to use that word now, I understand
21 everybody wants me to think of a different word
22 -- or the government to think of a different
23 one -- and then we will use a very
24 quantitative, our usual analytic method,
25 reviewing data, coming up with what we consider

1 to be a safe level, considering background
2 contamination rates and things like that.

3 So you're right, the first is
4 semiquantitative, and the second one is a very
5 quantitative effort that we have done for
6 things like fumonisin.

7 DR. GRABER: I might add, the
8 risk-ranking procedure, the method, is
9 something we are doing as -- under the Animal
10 Feed Safety System Team, but any work, probably
11 coming out of additional limits for additional
12 adulterants, contaminants, whatever the right
13 word is, is work that we're gonna do as we
14 do -- as we've done for any other contaminant.
15 That -- There's processes -- There's groups
16 that are established to do that work, and there
17 are processes in place to do that work.

18 So that's -- You know, if tomorrow,
19 Compound X needed to be -- we, we decided we
20 were gonna go out and establish some sort of
21 limit for, say, dioxins, we would be -- we
22 would have -- we have processes in place to do
23 that, and we would do that using the people
24 and, and organization that we've had for many
25 years.

1 MALE VOICE: Just to follow that
2 right up, in other words, we can get rid of
3 Delaney (phonetic) because you're going to have
4 established what the real risks are, so we
5 don't need that?

6 DR. GRABER: Delaney and I are
7 not on speaking terms.

8 MS. DUNNAVAN: Okay. Do we
9 still have some burning issues we want to bring
10 up? This is one last chance. If we don't have
11 any more comments or questions, I do want to
12 just comment that Toni Wooten, Regulatory
13 Information Specialist in my division, is
14 responsible for the hotel and the amenities
15 that we've had at the hotel, and as usual, she
16 has done an excellent job, and our Animal Feed
17 Safety System Team did a lot of work in --
18 behind-the-scenes work in, in getting ready for
19 this meeting and having it run smoothly, and I
20 want to thank them all.

21 CLOSING REMARKS

22 BY GEORGE GRABER, Ph.D.

23 DR. GRABER: Okay. We're down
24 to the end. I just got a few remarks that I'd
25 like to make, and first of all, I really want

1 to thank everyone for coming to this meeting,
2 them taking the time from your (sic) really
3 busy schedules to be with us. I don't really
4 want to name any people, but I probably will
5 thank some people for being here, especially
6 the, the states and the FDA personnel, district
7 personnel, for taking time out to be here and
8 to participate.

9 Again, the industry, we -- I don't
10 know. Sometimes we take it for granted that
11 they'll be there, and we look down at the
12 attendance at this meeting, we had, at least in
13 terms of yesterday -- As of yesterday morning,
14 we had 203 people registered for the meeting
15 and that actually showed, so that's -- that was
16 very good, and I think we ended up having -- Of
17 the people who originally said they'd be here,
18 I think there were, like, maybe 10 to 12 people
19 who couldn't make it for whatever reason. So
20 we're really, really pleased with the turnout.

21 I want to thank the reporters for
22 volunteering to, to come up here in front of
23 the group and report the work of the breakout
24 groups, and, and Glo has already thanked the
25 members of the Animal Feed Safety Team.

1 Probably be remiss if I didn't thank
2 (inaudible) for all the work she's done behind
3 the scenes for, for making sure this, this
4 program went off smoothly and all the others,
5 so I'm sorry if I don't mention anyone's name.

6 There are the comments -- The comment
7 cards are still -- if you still have a comment
8 card, if you had some comment that you didn't
9 feel appropriate to make in the group and still
10 want us to know about it, please fill out the
11 comment cards and put 'em in the box in the
12 back. Same thing -- We'd like for you to fill
13 out the evaluation form, as well, and put that
14 in the box before you leave today.

15 We will be -- As -- We're
16 transcribing yesterday's session and today's --
17 yesterday morning's session and today's
18 session, and that information should go to the
19 docket fairly soon, and -- probably a month or
20 so, but we're gonna try to put things up on the
21 CVM Website sooner than that, so -- The
22 PowerPoint presentations from yesterday and the
23 Word reports that you saw up here today will go
24 up on the CVM Website, maybe in a week or so,
25 so look, look, look for them.

1 One thing I did -- You know, I wrote
2 my down -- wrote myself some notes here, and,
3 of course, I forgot to mention something when I
4 was thanking people. I -- One of the
5 individuals just mentioned something about the
6 fact that we had a lot more people west of the
7 Mississippi come to the meeting we were out
8 here -- by meeting out here as opposed to
9 Virginia, and there is a comment in the docket
10 already arguing that the reason that we -- the
11 reason we're out here is because we're in bed
12 with the -- with the industry, and we should
13 have had it back in Washington because then we
14 can get all the trade associations. So, you
15 know, you can't win from losing, so . . .

16 But I really do appreciate the fact
17 that we do have some producers and producer
18 organizations here. It was something -- We had
19 a few at the meeting, but having actual
20 producers show up at this meeting was, was
21 extremely gratifying and, and very helpful for,
22 for the -- for the group to hear.

23 The -- In breaking -- In putting --
24 assigning people to the breakout groups, the
25 idea was to try to get a cross-section of

1 people within each breakout group, and somebody
2 mentioned something about the fact that some
3 groups didn't have any producer groups in 'em,
4 and they should have. There were some producer
5 groups that didn't, didn't show, and we
6 probably didn't move them -- some things around
7 at the last minute and try to make sure we had
8 producer groups and -- producer groups
9 represented in all the breakout groups. So
10 hopefully, next time we have a meeting, if
11 there is a next time, that we'll have more
12 producer groups in attendance so we can ensure
13 that their voice is heard with all the breakout
14 groups.

15 Next steps. Well, obviously, there
16 was a lot of information presented here, and
17 the Animal Feed Safety System Team will review,
18 digest, discuss. We'll have the -- what was
19 Charles Breen's comments? -- the full, frank
20 and vigorous discussion about some of these
21 issues, and, and I'll tell you that we do have
22 such discussions.

23 And so one thing we'll do, obviously,
24 is, is make some decisions about what our --
25 what we consider to be the next steps for this

1 particular group. We're gonna decide -- or at
2 least develop the options that we'll present to
3 the senior management team within the Center of
4 Veterinary Medicine as to what products we're
5 gonna work on and then get their blessing on
6 that, and that'll, hopefully, get us to the
7 year 2007 or sooner.

8 There are some items that will come
9 out of this group, and I've mentioned already,
10 that probably will not be necessary for the
11 Animal Feed Safety Team to work on, but there
12 are some good ideas here that perhaps the
13 Center for Veterinary Medicine could be the
14 Office of Surveillance and Compliance. It
15 could be the Office of Research within CVM, or
16 it could be the Office of Regulatory Affairs.
17 Some, some good ideas have come out of this
18 meeting that won't fall exactly under the, the
19 premise of the Animal Feed Safety System.
20 That, perhaps, people should be working on.
21 They could be compliance policy guides. They
22 could be revisions to programs. They could be
23 additional educational efforts. But we're
24 gonna try to capture all that information and
25 ensure that it gets full deliberation.

1 So with that, unless anybody has any
2 further comments, I want to wish you all a safe
3 trip, and -- no matter where your travels take
4 you, and thank you for participating in this
5 very important meeting. Thank you.

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