

TRANSCRIPT OF PROCEEDINGS

IN THE MATTER OF:)
)
STAKEHOLDERS MEETING)
CENTER FOR FOOD SAFETY)
)

Pages: 1 through 51
Place: Riverdale, Maryland
Date: February 26, 2004

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IN THE UNITED STATES DEPARTMENT OF AGRICULTURE

IN THE MATTER OF:)
)
STAKEHOLDERS MEETING)
CENTER FOR FOOD SAFETY)
)

Training Room 1
4700 River Road
Riverdale, Maryland

Thursday,
February 26, 2004

The parties met, pursuant to the notice, at
9:36 a.m.

BEFORE: CINDY SMITH
Deputy Administrator

APPEARANCES:

USDA, APHIS and BRS:

REBECCA BECH, Associate Deputy Administrator
SUSAN KOEHLER
JOHN TURNER
NEIL HOFFMAN
MICHAEL WACH

For the Center for Food Safety:

PETER JENKINS, Attorney/Political Analyst
JOE MENDELSON, III, Legal Director
DOUG GURIAN-SHERMAN, Senior Scientist

APPEARANCES (CONT.):

Participants:

LEVIS HANDLEY
CRAIG ROSELAND
MICHAEL BLANCHETTE

P R O C E E D I N G S

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(9:36 a.m.)

MS. SMITH: Good morning and welcome to our Stakeholder discussion series on our upcoming environmental impact statement and our revised plant biotechnology regulation. We want to thank you for taking time from your busy schedules to participate in this meeting and to share your thoughts with us.

The purpose of these briefings is two-fold. First, to share information regarding our plans to move forward in developing an EIS and amending our plant biotechnology regulations. And secondly, our intention is to gather diverse and informative input which will support thoughtful and effective decision making as we move forward in the completion of an environmental impact statement as well as our new regulations.

We have here from BRS most of our management team, as well as several members of our staff and, when available, other agency personnel involved in supporting BRS in this effort will be sitting in on meetings, as well.

I also want to point out two key individuals who have now been dedicated to providing full time management of our work to complete both the EIS and

1 our revised regulations. First, John Turner, whom you
2 likely know, a very important member of our leadership
3 team here in BRS. I'm very pleased to say John is
4 leading this effort on a full time basis.

5 And a second individual, likely a new face
6 with whom you are not familiar yet, is Michael Wach.
7 Michael Wach is a recent new hire here in BRS, as an
8 environmental protection specialist within our
9 environmental and ecological analysis unit that Susan
10 Koehler heads up. In addition to possessing a Ph.D.
11 and an Environmental J.D., Michael brings research
12 experience in plant pathology and weed science, as
13 well as legal experience working on cases involving
14 NEPA, the Clean Water Act, the Clean Air Act and other
15 environmental laws.

16 As you likely know, we recently participated
17 in inter-agency discussions with FDA, EPA and the
18 White House which, while concluding that the
19 coordinated framework provides an appropriate science
20 and risk based regulatory approach for biotechnology
21 regulation, that the Plant Protection Act of 2000
22 provides a unique opportunity for APHIS to revise its
23 regulations to potentially expand our authority, while
24 leveraging the experience through the history of our
25 regulation, to enhance our regulatory framework,

1 particularly to position us well for future
2 advancements of the technology.

3 We also concluded those discussions with the
4 general agreement on how our biotechnology regulatory
5 approach would evolve. Still, there is much
6 opportunity for public and stakeholder input as we
7 move forward to develop the specifics of our
8 regulatory enhancements. Given this, what we would
9 like to do in these meetings is to have an opportunity
10 to fully hear your thoughts. We have a unique
11 opportunity to listen to all input at this point in
12 the process, since we're not yet in the formal rule
13 making stage of our process.

14 Our discussion will be professionally
15 transcribed for two reasons. First, an accurate
16 record of our discussions will facilitate our ability
17 to capture and refer to your input. And secondly, in
18 the interest of transparency and fairness to all
19 stakeholders, we will be making available as part of
20 the public record and potentially on our website,
21 documentation on all of our stakeholder discussions
22 that we're holding. That way, each stakeholder group
23 has the benefit of the information shared with each of
24 the stakeholders.

25 I should acknowledge that we are in

1 litigation with your group, and as such, that has
2 limited our ability to speak in an informal setting
3 such as this one, without our attorneys. As we
4 considered whether to have this meeting or how to
5 proceed, it was important for us to still have the
6 opportunity to hear fully your thinking and your input
7 and we believe doing it in person is an additionally
8 constructive way than beyond just receiving your input
9 and written comments.

10 So our objective today will be to have a
11 very productive listening session. We're here to
12 listen fully to your input, to capture it on the
13 record and to have it transcribed so that we may refer
14 very carefully to it. We look forward to considering
15 your input as we move forward, both in the
16 Environmental Impact Statement completion and in
17 writing our new regulations.

18 Finally, since it will be hard to predict
19 what the final regulations will look like, which will
20 emerge from this process after we've gone through a
21 very intensive public and stakeholder input process,
22 and individuals in the department, such as our
23 Administrator and Undersecretary and Secretary will
24 likely provide us very insightful direction on the
25 direction our regulations will take.

1 I would like to briefly share with you our
2 overall BRS priority areas of emphasis which we use to
3 set direction and help guide the development and
4 implementation of regulatory and policy strategies and
5 operations. The first is rigorous regulation.

6 Rigorous regulation which thoroughly and appropriately
7 evaluates and ensures safety and is supported by a
8 strong compliance and enforcement.

9 The second is transparency of the regulatory
10 process and regulatory decision making to stakeholders
11 and the public. We believe this is critical to public
12 confidence.

13 Third is the scientific based system,
14 ensuring that the best science is used to support
15 regulatory decision making, to assure safety.

16 The fourth, communication, coordination and
17 collaboration with the full range of stakeholders.

18 And finally, international leadership,
19 ensuring that the international biotechnology
20 standards are science based, supporting international
21 regulatory capacity building and considering
22 international implications of policy and regulatory
23 decisions.

24 As we prepare for our discussion, I would
25 let everyone know that for effective transcription, we

1 all have to speak into the microphones. You don't
2 have to speak directly in, as long as it's on your
3 table, that's close enough. And if the first time you
4 speak, you could say your name for the transcriber and
5 then after that, you won't need to.

6 With that, I would like to open the floor to
7 hear your comments and input.

8 MR. JENKINS: Thanks. See, I don't need to
9 speak very loudly into this thing, they just want to
10 be able to hear it. I'm Peter Jenkins. I'm an
11 attorney and policy analyst for the Center for Food
12 Safety and sister organization, the Center for
13 Technology Assessment, here with Joe Mendelson and
14 Doug Gurian-Sherman, also from those groups. And I'll
15 start out and give sort of an overview of the some of
16 the issues.

17 First of all, I'd like to say thanks again,
18 Cindy, in particular for, you know, the tone that
19 she's taken on this endeavor, you know, very friendly,
20 open and welcome tone to the whole thing. That's very
21 helpful. We will submit written comments that, you
22 know, will spell out in more detail some of the issues
23 that we're probably just going to sort of highlight in
24 the way of questions and highlighting some problems
25 now without going into too much detail.

1 We can also refer you, I think, to the
2 petitions that our groups and associated groups have
3 filed. One was on genetically engineered turf
4 grasses, which raise some regulatory issues as well.
5 The other on genetically engineered biopharmaceutical
6 and industrial crops, which we had a great deal of
7 discussion about some of these regulatory issues.
8 Another petition we filed is on genetically engineered
9 wheat and Joe may mention some other petitions, too.

10 MR. MENDELSON: Yes.

11 MR. JENKINS: Okay, we'll go on from there.

12 On the programmatic EIS process generally, this is
13 something that we've sort of generally asked for,
14 saying there should be a programmatic EIS. But it was
15 in the context of the biopharmaceutical petition that
16 we filed and a programmatic EIS, you're going to find,
17 I think, is going to be a challenge in this area. I
18 think you probably already found it a challenge to
19 sort of identify what the proposal is in detail and
20 what's some reasonable alternatives are to the
21 proposal, besides the no action alternative. You
22 know, it sounds like, Michael, you've got an
23 interesting new job to sort of bring NEPA into this
24 APHIS regulatory process in its full glory. The USDA
25 Forest Service does great NEPA, so you can go to the

1 Forest Service, generally, and see a good model.

2 We've been critical of the way APHIS has
3 done NEPA in the past and we've, you know, looked to
4 see it brought up to a really high standard of really
5 complying word by word with the CEQ guidelines on how
6 to do NEPA. SO it's a challenge with the programmatic
7 EIS, because you've got to lay out the proposed action
8 in detail. It can't be all fuzzy and nebulous. And
9 then you've got to lay out some alternative actions
10 that are sort of equivalent in scope and sort of
11 coverage, that really are alternatives to the proposed
12 action, or different approaches.

13 So we haven't seen that yet in the
14 announcement you sort of laid out with a whole grab
15 bag of ideas as a proposed action, more in the way of
16 questions that you might take these actions, but
17 haven't sort of laid out some alternatives.

18 So I think that's going to need some more
19 fleshing out. I mean, as it is stated now, it's not
20 clear what the sort of impact topics would be. You've
21 got to talk about impact on the soil and the water and
22 the human health and animal health and so on. But how
23 are those really going to be analyzed in the scope of
24 what you're proposing now, you know, in that context?

25 I think it's going to be helpful to think,

1 you know, beyond the box a little bit, outside the
2 box, and think of some other programmatic type
3 alternatives that you could take. We had suggested, I
4 think, in our biopharm petition, that you look, that
5 one approach to regulated biopharm crops is your
6 current approach and the other would be to restrict
7 biopharm crops to very restricted confinement
8 conditions. Say, greenhouses are underground. That
9 would be an alternative with real world impacts that
10 you could assess.

11 Another alternative would be to restrict the
12 crops to being grown only in very limited geographical
13 areas. And you all had to wrestle with this in
14 defining, well, is a mile a good confinement boundary
15 for biopharm crops? And what does that do to growing
16 in the corn belt and has all sorts of policy
17 considerations, etc., etc.

18 So, you know that game with biopharm crops
19 and corn. But throughout this whole proposal, you
20 need to really think creatively, what are some
21 alternative actions that really can be analyzed and
22 might have some real world different impacts? You
23 know, besides the no action alternative.

24 So that's sort of the general NEPA concern.
25 But let's do top notch NEPA. We're an environmental

1 group, generally. We really rely on NEPA and this is
2 what we focus on a lot, as well as the Endangered
3 Species Act. So if you can show word by word
4 compliance with the CEQ guidelines on NEPA you're
5 probably not going to get sued by us as much or
6 whatever. Same with ESA.

7 Now in some of the substantive areas, sort
8 of going through some of the things in the order that
9 they were raised in the announcement. I immediately
10 spotted the issue about federal noxious weeds and
11 listing approach -- well, let me rephrase that. I
12 would just say that our groups would oppose an attempt
13 to limit the ability of citizens groups to petition
14 for federal noxious weed listing of a particular
15 variety, just because it happens to be a genetically
16 engineered variety.

17 An example is with the turf grasses, we
18 petitioned that GE creeping bent grass and GE
19 glyphosate-resistant Kentucky bluegrass be listed as
20 noxious weeds through a fairly familiar and clear
21 noxious weed listing process. And we don't want to
22 see that taken away, that opportunity. It seemed to
23 me that that issue was raised in that part of the
24 announcement and so we would be opposed to that.

25 One reason to not take it away from the

1 wheat specialists within APHIS is because you'll get
2 more diverse input if it first has to go through the
3 weed folks, the petition. Of course you guys are
4 going to talk and work together, but let's not cut the
5 weed groups out entirely.

6 Again, on the turf grass issue, one of the
7 things that came up in your announcement is what sort
8 of maybe post-approval conditions could be imposed?
9 Is that something that you're trying to get at with
10 your new regulatory approach? You sort of hinting
11 that you want to avoid the situation of just
12 deregulating and then losing all control over the
13 variety. Might there be a need to have some follow up
14 monitoring or conditions that you can impose and the
15 turf grass issue sort of raises that, I think, in two
16 areas and you've got a petition before that I can talk
17 about. But it doesn't have to be just about this one
18 petition.

19 But that is, how do we do things like
20 monitor whether the company is really doing what it
21 said it was going to do in terms of quality control,
22 resistance management, not marketing the product to
23 markets that they state right up front they're not
24 going to market to? You know, what if a year after
25 you deregulate, they're doing all those things that

1 they said they weren't going to do and you have no
2 authority to enforce, really? Wouldn't it be better
3 to be able to impose conditions consistent with what
4 the applicant has been saying they're going to do?

5 So in the context of the creeping bent
6 grass, the applicants have clearly said they're only
7 going to market to the golf course industry. And they
8 make a lot of sort of statements about their product,
9 based on the assumption that it will be only sold to
10 the golf course industry. So are their conditions you
11 can impose by way of new regulation that will make
12 that stick, some follow up conditions?

13 Glyphosate-resistance management, I think,
14 is going to be a challenge for the turf grass issue
15 and do you need regulations to make that stick, as
16 well? I would think so.

17 And on the biopharm crops, another topic
18 you've raised about, you know, how do we regulate them
19 is, I think, I've raised this in other forums, which
20 is, I think there is a conundrum with biopharm crops.
21 They all have to be grown under permit, they're never
22 going to be deregulated, so people are growing them
23 under permit but they don't have to go through any our
24 middle assessments, because everything is being
25 categorically excluded in the way of field tests.

1 Yet some people are growing a commercial
2 quantity of the product under this field test regime.
3 ProdiGene, in particular, has been commercializing
4 products under the field test regime. Was that
5 intended, was that result intended by your
6 regulations? I'm not sure.

7 They could theoretically never sell the corn
8 that they're growing, the product, into other people,
9 so they wouldn't be commercializing the corn, just the
10 product that's grown inside the corn is being
11 commercialized, but it's being commercialized under a
12 field test regime. And don't we need a different sort
13 of approach, something that's sort of equivalent to
14 deregulating the crop without actually deregulating
15 the crop.

16 Because if we don't have it, then we have
17 this conundrum. IF the field tests are all
18 categorically excluded and there's no deregulation
19 petition, there's never any need for compliance at
20 all. ProdiGene has never had to publicly produce a
21 single NEPA -- you know, you guys have never had to do
22 NEPA on a ProdiGene field test, at least not since
23 1998.

24 And so maybe you need to define
25 "commercialization" in that context better, and maybe

1 you need to impose a presumption that there shouldn't
2 be categorical exclusions for field tests for
3 biopharmaceutical and industrial crops. That should
4 be the presumption. The presumption should be that
5 they get an environmental assessment for all field
6 tests at least, maybe in EIF, but at least an EA. You
7 know, that will get us part of the way along the NEPA
8 road, as would a programmatic EIS get us along the
9 NEPA road for biopharmaceuticals.

10 And maybe you need to set a threshold where
11 if you're repeatedly growing field tests and you've
12 got 150 acres of field tests out there and you're
13 known to be selling the product for the field test,
14 you're no longer in the field test regime. You're in
15 a different sort of regulatory regime. So these are
16 the sorts of things I hope you're thinking about and I
17 think maybe you are thinking about and would even
18 encourage you to think about.

19 So those are the two main substantive areas
20 that sort of are in line with what I'm going to
21 address in line with your announcement. But there are
22 a couple of other areas. Your announcement was fairly
23 open ended. It said, well, if there's other issues
24 that come up, raise them, so let me jump in. Some of
25 these are related.

1 There's confusion, I think, if you try to
2 read APHIS' categorical exclusion regulation in its
3 NEPA regulations. It is very confusing. What is
4 confined, what is environmental release, what is
5 unconfined? And how, you know, the bottom line is
6 that we probably wouldn't be suing you on the biopharm
7 stuff, frankly, I don't know, maybe we would be, but
8 what really dropped this on was the fact that you were
9 able to classify those biopharm field tests as
10 categorically excluded from NEPA compliance. And, you
11 know, this was the same time the National Academy of
12 Science and others were saying, we can't even predict
13 what the environmental effects of biopharm crops would
14 be at all. We just don't have enough experience. Yet
15 they were able to be categorically excluded.

16 Somehow, under the convoluted language in
17 your categorical exclusion regulation as, you know,
18 confined field releases, it's very confusing. And it
19 needs to be straightened out. You know, most people
20 think of confined as in a greenhouse or, you know,
21 really confined. But you've got this mix of language
22 all through your history of calling it environmental
23 release at the same time you call it confined
24 environmental release. And it just doesn't work, the
25 language is so confused throughout that stuff. So you

1 could really clear that up and, I think, in the
2 process, help clear up the problem of, you know, not
3 allowing some of the categorical exclusions underneath
4 it.

5 The other area you talked about
6 transparency. It raises CBI policy. You've got a
7 policy that's from 1985 on biotechnology. In 1985,
8 people weren't thinking about all this stuff we're
9 thinking about now. They were barely even aware of
10 what was going to happen. But your policy is
11 outmoded. You look at EPA's policy with PIPS, the
12 Plant Incorporate -- whatever that is, one of the
13 sillier acronyms of all time.

14 But their CBI policy is rigorous. You have
15 to, if you want to claim CBI for PIPS field tests
16 under the regulation, you have to state it right
17 upfront. You get one chance to state it and you have
18 to justify it when you claim it. If you don't do
19 that, you waive it.

20 That is so different from APHIS' policy,
21 which is they seem to be giving a chance repeatedly to
22 claim CBI, they don't have to justify it, at least the
23 justification is not made clear to the public, and the
24 CBI claims are allowed to live on forever, even after
25 the stuff is -- so, you know, four main CBI pitfalls

1 we've got lined up in our petition, I think. I've
2 stated them before in other contexts.

3 The four CBI pitfalls are steel claims,
4 stuff that was CBI perhaps at one time, but the
5 company has already released the information publicly,
6 yet your database still says it's CBI. And when we
7 get FOIA or litigation responses back, the thing is
8 still classified as CBI, even though it may have
9 already been publicized. And I think there's a couple
10 of specific cases of that.

11 Again, the repeated opportunities to claim
12 CBI, giving the companies repeated chances to go back,
13 I don't think that has to be done. You can make them
14 do it once or they waive it. And, you know, maybe you
15 can have a hard, special hard case exemption, where
16 the can claim it a second time if they show that there
17 was something horrible that happened.

18 And a lack of an emergency exception. I
19 think CBI should allow it to be released. It is in
20 other contexts, at EPA, for example. If there's a
21 chemical release or, you know, a toxic substance
22 release that threatens potentially public health and
23 the environment, the agency is allowed to release that
24 publicly. Your '85 CBI policy does not allow that and
25 so in the ProdiGene case, which maybe it wasn't, you

1 know, a major threat to public health, but it was very
2 clear right from the start, you were even going to
3 tell people what the compound was. It was a secret.

4 I asked Cindy once what the compound was.
5 She said, well, go to the ProdiGene website and find
6 out. I said, you know, that's not an adequate answer,
7 really, because these were the guys that were hiding
8 all the stuff in the first place. So the other
9 policy, the fourth pitfall with CBI is the field test
10 location issue. It needs to be clarified, because my
11 understanding is that the field test location was not
12 considered CBI. There is a fairly clear policy that
13 field test location could not be claimed as CBI, up
14 until about 2000 when people got really concerned
15 about this vandalism issue. And there seemed to be a
16 directive, maybe I'm wrong on this. I don't know the
17 whole history, but there seemed to be an internal memo
18 saying that they could claim field test location as
19 CBI because of the vandalism issue.

20 Well, vandalism may be a real concern, but
21 it's not CBI. Just because you're scared somebody's
22 going to come in and rip up your crops doesn't mean
23 that it's confidential business information. That's a
24 different set of policy concerns and it should be
25 addressed under a different policy. If you're going

1 to have a policy of vandalism, let's see it. But, you
2 know, don't hide it under CBI.

3 And we'll debate those policy issues
4 separately. But we don't think that all field test
5 locations should be classified as CBI. And, of
6 course, it frustrates any ability to find out what's
7 really going on. So the bottom line is, we have a
8 hard time seeing the fuel test regime, what's really
9 happening, because we don't know where. We often
10 don't know what and often we don't even know the size
11 of the test.

12 So two other issues, then I'll turn it over
13 to my colleagues here. It seems to us that you set
14 the stage for doing separate regulations with respect
15 to GE trees and maybe with respect to GE turf grasses.
16 I mean, we went through those workshops, seemed like
17 very useful, probably, workshops on both those topics.
18 In particular, we suggested that the GE trees present
19 such a unique set of circumstances that they should
20 have their own separate regulatory process. I can't
21 spell out to you all those reasons right now, but I
22 think you know them better than I. It takes so long
23 to find out what's going on with trees. They have
24 wild relatives all over the place and the gene flow
25 and pollen flow issues are just very distinct from the

1 fuel crops, obviously.

2 So I guess I would encourage you to just lay
3 out some separate regulations for the trees and for
4 the turf grasses, because we've had these workshops,
5 we've heard a lot of expert input. You've got
6 different guidelines that may be appropriate for them
7 compared to the field crops. And so it seems like a
8 reasonable thing to do. And that would allow more
9 public discussion, more opportunity for formal input
10 into whether those. I know with the trees, there's a
11 lot of emerging interest in the trees and it's an
12 emotional issue for a lot of people. So you might be
13 well advised to try to get ahead of that issue and
14 really do something formal and separate, where you get
15 lots of input from lots of expert groups and do
16 something formal on the trees.

17 So with that, I will turn it over to Joe.
18 Thanks.

19 MR. MENDELSON: Thank you. Joe Mendelson,
20 I'm the legal director for both the Center for Food
21 Safety and International Center for Technology
22 Assessment. Like Peter, I'd like to thank Cindy and
23 everyone for this meeting. IN fact, I was so excited
24 that I left my sport coat on the back of the door
25 racing out the door this morning.

1 MS. SMITH: That's okay, we won't hold it
2 against you.

3 MR. MENDELSON: I think Peter covered a
4 great deal of the topics that I had written down and
5 I'll, in the spirit of openness, be that we're just
6 still formulating our thoughts on this, obviously.
7 And you posed a lot of questions and we've got
8 questions about what your questions mean. And just
9 sitting here, having Peter talk, things are going
10 through my mind.

11 What I'd like to do is just go through, you
12 mentioned you've got your 11 questions and some of
13 which Peter covered and some that he hasn't. But the
14 first one as far as broadening the roles, I think
15 Peter talked about the noxious weed issues, but he did
16 talk about the biological control issue. And Peter
17 did mention, we did have a petition on insects and it
18 obviously raises, like the trees issues, I mean,
19 certainly insects, that might be a subset of some
20 biological controls, raises probably a need for a
21 separate regulatory regime for those as well.

22 Given the mobility of the species, given
23 that the Agency is interested in having, or it appears
24 to be having some type of post-commercialization
25 control, I'm not sure how you do that in the realm of

1 insects. And I think that just needs to be explored
2 and it goes into the alternatives that should be
3 addressed and flushed out further.

4 Certainly in the field trial sense, you're
5 going to want totally different types of containment
6 mechanisms and things like that. Again, that should
7 be spelled out. And I think some of the things we did
8 present in our petition, it's also not clear and I
9 know you mentioned it in the notice concerning some
10 biological control, which I assume would be like BT
11 and other things that are under other agencies'
12 jurisdictions.

13 But this distinction between insects that
14 are vectors of animal disease and insects that are
15 vectors of human disease and insects that are both, so
16 that you know, part of our petition was to sort of
17 clarify the authority on those type of organisms. And
18 I think that's one you're going to have to do is
19 figure out what, you know, if you are going to cover
20 biological controls, how do you have someone who's
21 applying for field tests delineate that? How do you,
22 how does the Agency define, you know, what's actually
23 under its control. And frankly, to get into an
24 interagency discussion on how things that are going to
25 be outside of your control, you know, tell the

1 agencies that they're going to be outside your control
2 and that they better get on board in developing
3 regulations, particularly NIH.

4 Peter mentioned the noxious weed issues.
5 Number two, talk about specific categories of risk or
6 exemptions for low risk. I think our organization is
7 generally in the position that specifically speaking
8 for plants, each event is an event that requires
9 thorough review, that there's not a tier approach at
10 this point, given the possibility of unintended
11 effects from each particular event.

12 Certainly that's something we're looking at
13 further. That's one of the reasons Doug is aboard, to
14 help us work through our science on it, but at this
15 point, I think we're reticent to endorse a separate
16 tiered system on the plants. That's not to say that
17 there may be special categories where you, like
18 biopharmaceutical or industrial plants that have
19 different elements, but as far as non-
20 biopharmaceutical, straight, whatever you want to call
21 it, genetically engineered crop at this point, I don't
22 think we support the tiered approach.

23 Number three, you speak of commercializing
24 with and allowing some type of minor risks. And
25 again, I think we'd be in the position that if it's

1 identified upfront as some type of minor risk, that it
2 should be, that risk should be fully characterized and
3 assessed prior to commercialization. That's not to
4 say that risk may happen after commercialization that
5 need to be addressed, and I think that's something
6 that I think your notice initially points out and
7 Peter mentioned. I think it's a very positive step
8 that the Agency is trying to at least grapple with
9 ideas how it maintains authority over deregulation.
10 You all are changing deregulation, so that it has some
11 type of authority post-approval. I think that should
12 be the case for every type of approval or deregulation
13 you do, you know, that that is a situation where there
14 may not be risks. And even though you've got the
15 authority, you just don't have to exercise it and
16 that's great. But at least you maintain it over
17 everything in case something unexpected happens.

18 Let's see. Number four is specific to
19 biopharmaceutical crops. It certainly has been our
20 position that at this time, I don't believe no food
21 crops should be grown, so we used to grow
22 biopharmaceutical or industrial products. And, we
23 view that akin to a split registration, essentially,
24 that led to the Starlink. Starlink was just about
25 registration, obviously, and if we know what the

1 ProdiGene soybean and corn examples, there's problems
2 in maintaining, even if you set up rigorous
3 guidelines, problems maintaining essentially the
4 sanctity of the food supply.

5 So I won't repeat, but basically we have a
6 zero tolerance policy in foods, that's our policy now.
7 As Peter mentioned, you know, that's not to say when
8 you put something out, you shouldn't consider
9 different confined methods, greenhouses, underground,
10 and let that be discussed.

11 Number five, and this is a question I'll put
12 back to you. You speak about the noxious weeds, but
13 you talk about the regulation of non-viable material.
14 And he and I have kind of racked our brains and tried
15 to figure out what exactly you mean by that, I mean,
16 and how would a non-viable material fit within the
17 definition of a noxious weed if it's non-viable. So
18 is there a thinking that we haven't figured out on
19 that or is there something that --

20 MS. SMITH: I just refer you to, if you look
21 at the definition of noxious weed and get some insight
22 into that.

23 MR. MENDELSON: This is bad, because I've
24 looked at it. Okay, well, we'll do a little
25 homework, I guess, on that one. But I guess it's safe

1 to say that when you come out with your next notice or
2 characterization of this, that would be helpful to
3 clarify that, I think, at least even for people who
4 are not, we're close to this, but people may want to
5 comment or might not understand it.

6 As far as the, you talk about a mechanism
7 where USDA would continue oversight rather than an
8 unconfined release on biopharms. And again, I think
9 it's not, to me, that seems to be the process you have
10 right now, as Peter mentioned, because you do have
11 these field trials under permanent and they're not,
12 you know, unconfined in the sense that they're out
13 commercialized.

14 So obviously we're taking the position that
15 there shouldn't be any food crops, they always should
16 be, they shouldn't be grown, but if they are grown,
17 they should be confined. But it seems to me that this
18 proposal is seeking out some type of further
19 government involvement or cooperation in the
20 commercial growth of these things, which seems to me
21 creates some type of liability issues to USDA. I
22 mean, it seems to me that there's, in the back of my
23 mind, this piece stems from the need from the
24 commercial producers to want to have some added
25 protection from the government based on how much

1 regulating. And so that raises concerns for me and I
2 think it should raise concerns for you. I mean, I
3 don't think the Agency wants to be in the position
4 where it's having to create a regulatory regime that's
5 designed essentially to shelter problems that could go
6 wrong when something is commercialized or gets out.

7 Seven is the issue of adventitious presence.
8 Certainly we would not accept the adventitious
9 presence of any type of crop that has not gone through
10 any type of safety review. You know, I mean, low
11 level occurrence or intermittent occurrence or
12 intermittent presence to us, you know, the issues, it
13 can take, you know, very little something that can go
14 wrong. So, I mean, to say that, you know, .3 percent
15 of one product is somehow low level and won't create a
16 problem, well, .3 of another one could. So, again,
17 our position is that we just don't accept, we don't
18 feel that that's a prudent policy.

19 Eight, again, talks about the tier process,
20 I think I mentioned that. Nine speaks about, it seems
21 to be contemplating a more narrow research exemption.
22 And we'd have to be, you know, we'd like to see more
23 discussion of that, I think. Certainly, I think, we
24 suggested that if you're creating an exemption, that
25 it shouldn't, it would be limited to non-food entities

1 and so I think we'd consider a way to insure that
2 research is properly happening and flowing. But I
3 don't think, you know, we want to see an exemption
4 that's created that could cause food based products to
5 be moved without any type of oversight, even if
6 they're only being used for research.

7 Ten talked about relieving the regulatory
8 requirements on low level risk and we mentioned our
9 tier position. And also, given that we've been in a
10 position of being critical of other regulatory burden
11 at this point, I don't think relieving it is a way we
12 would, you know, relieving the regulatory burden is a
13 way that we would characterize anything. We obviously
14 think that the burden should be greater and hasn't
15 been strong enough.

16 Eleven, I'm not sure what 11 is talking
17 about. Is it talking about the containers of how you
18 ship these things between states or how you move
19 things? It's not clear to me what the container, you
20 know, what you're trying to get at between having a
21 prescriptive versus performance based container
22 requirement. Again, maybe that's something we need to
23 do more homework, but I would appreciate any direction
24 you can give us on that to help us study through that.

25 Then as far as other issues, Peter mentioned

1 some, I think, and he certainly mentioned the issue
2 CBI, which plays into the roles of the states. You
3 know, I know we can't directly comment on an ongoing
4 engagement, but certainly out in Hawaii we've had
5 issues that have come up on how that state entity was
6 monitoring or what its role is or how clear its role
7 was in overseeing field trials or at least being able
8 to discuss matters or release documents to not only
9 us, but also the systems in the state.

10 So I think as a subset or in conjunction
11 with some of the things Peter mentioned in CBI, like
12 location and what are the claims, you know, I think at
13 this point, it's worth APHIS going back and revamping
14 how and thinking about how it can engage citizens in
15 particular field trial locations and how it can get
16 their comments and their input onto the scope, the
17 method and how field trials were happening in the
18 location. Or certainly at least make the flow of
19 information much more transparent and give the state
20 biotechnology officers more leeway in releasing
21 documents.

22 Because as we've experienced, it's taken me
23 an awful long time and after the fact to get
24 documentation that folks in Hawaii should have or
25 should be able to get, probably even before the field

1 trials happen.

2 Peter mentioned the more immediate need to
3 clarify some of the environmental issues like non-
4 target organisms and that type of review. As you got
5 through this EIS process, I think another issue is how
6 the Agency does its ESA consultations. I know in past
7 discussions, people on staff have alluded to that
8 there is some type of framework that APHIS has, but
9 we've never seen it and I think it would be helpful if
10 it's outlined and made part of the formal regulatory
11 process, or at least in the regulations.

12 The third is and this goes back to the low
13 level adventitious issues, I don't know if any folks
14 here have seen the recent report by Union of Concerned
15 Scientists, but certainly I would ask you to take a
16 look at it. It outlines a lot of testing that they
17 have done as far as the seed supply of non-genetically
18 engineered seeds. And it's clear that there is a
19 problem with contamination or adventitious presence in
20 the seeds. And while we may debate on the impact of
21 that, it certainly impacts consumers as far as their
22 ability to have a choice as far as non GMO and GMO
23 crops or foods.

24 So I think there needs to be a further
25 fleshing out of what it means when research is going

1 on to protect existing non-GMO germ plasm and how the
2 entities that do that, particularly when it's
3 happening in the university systems, how they maintain
4 purity of their germ plasm.

5 I think that's all I have. Doug?

6 MR. GURIAN-SHERMAN: Doug Gurian-Sherman.
7 I'm a senior scientist for Center for Food Safety and
8 ICTA and I also want to thank USDA for inviting us.
9 It's very encouraging to have these kind of open
10 forums to discuss issues. And I also want to commend
11 you for your recent changes and additions in staff and
12 changes in your structure. I think you're moving in a
13 strong direction in terms of the science and that's
14 encouraging. I think you've brought on some excellent
15 folks and they'll be a big help to you.

16 What time are we going to? That would help
17 me in terms of --

18 MS. SMITH: We should probably try to wrap
19 up within 15 minutes or so at the most.

20 MR. GURIAN-SHERMAN: All right. I don't
21 really have prepared comments. I'm just going to kind
22 of give a couple of general points that I think need
23 to be considered that are pertinent to or threads that
24 run through the whole FR notice. And for some of you
25 that already heard some of these comments, Robyn and

1 Susan, I know, for sure, on gene flow issues and
2 confinement issues, I apologize to both of you for
3 having to sit through some of this again. We went
4 over some of these issues recently with EPA.

5 The issue of containment or confinement
6 comes up in a lot of these issues, you know,
7 adventitious flow, risk assessment in terms of impact
8 on wild relatives. Crops that can become fertile, that
9 are not well domesticate, you know, many of the tree
10 crops and certain others that can escape. So I think
11 it's a threat that runs through this. I want to spend
12 a couple of minutes kind of generally addressing that
13 issue.

14 The conundrum is, I think, and I think it is
15 a conundrum, that especially at the field trial stage,
16 you don't have all the information you'd like to have
17 in terms of potential risk of the crop. And I think
18 there's either an explicit or tacit assumption, I know
19 certainly with EUPs and EPA and I think based on the
20 kind of regulations you do through notification and
21 even through permitting, that there's an assumption
22 built into this that because of the small scale,
23 limited duration of field trials, that the impact, the
24 assessment does not have to rise quite to the level
25 that you would need for commercial release. And there

1 is certainly some sense to that.

2 But I think the caution is especially in
3 these areas where you have crops, again, either that
4 become fertile or not well domesticated or where you
5 have wild relatives, whether they're indigenous or
6 introduced, that you can get, in a sense, an
7 amplification of those genes when they escape. And
8 that pretty much throws a kibosh on the assumptions of
9 limited exposure that are so important in risk
10 assessments.

11 And I think that needs to be understood in
12 the context of the recent National Academy's report,
13 where I think there are lots of cautions about what
14 the state of confinement and containment is,
15 technically, in terms of human capacity at this point.
16 And the bottom line, of course, was that they have a
17 lot of concerns about good our methods of confinement
18 or containment are.

19 Certainly, the bigger the field trial, the
20 bigger the scope, the longer the duration, the
21 potential risk increases. But there was, I think, an
22 important quote in that report, that even a single
23 release of a gene that will confer fitness on a wild
24 relative, and I think you could make the same case for
25 non-domesticated crops, if they escape, have the

1 potential for increasing. And population genetics
2 says that pretty clearly.

3 Now clearly, if it's a very rare event, you
4 know, there's starcastic influences, you know, random
5 influences, that the escaped gene may just die even if
6 it does confer increased fitness. But there is
7 certainly a finite possibility of increase in
8 frequency of those genes.

9 So once you have escaped, you know, kind of
10 all bets are off in terms of the assumptions of field
11 trials. So I think in those circumstances, you need
12 to be especially important and I think again NAS
13 report is helpful, not so much in providing solutions,
14 more in terms of cautions or warnings. But they did
15 say a few things that I think really need to be
16 considered in any of these situations where that may
17 be pertinent, which is you need redundancy at all
18 potential vectors of gene flow. So, for instance, if
19 it's a crop that can propagate vegetatively, stolons,
20 rhizomes, whatever, you have to have that covered, as
21 well as pollen flow if it's a non-sterile crop, you
22 know, etc., etc. So you have to have redundancy at
23 all of those levels.

24 And certainly in certain cases, you have to,
25 even at a field trial level, unless you're going to be

1 really stringent about it, you have to consider even
2 the possibility of not approving, even at the field
3 trial level, some of these. If you had, I think
4 researchers have done this on their own to some
5 extent, but certainly, you know, one case would be
6 sorghum and johnson's grass.

7 But the point is that you have to be very
8 careful in those cases. So that's a general caution
9 that I think goes to several of these points that you
10 bring up.

11 Another that Joe mentioned is the tier
12 approach and certainly, I think, we can say that there
13 are and will be differences in the risk, intrinsic
14 risk in some of these crops. The problem is, I think,
15 that we don't know where to draw those lines at this
16 point. Some of my, you know, scientists, colleagues,
17 Steve Strauss, has been very vocal in this, kind of
18 tried to make a case that with domestication genes,
19 the risk is very low.

20 But again, as Joe pointed out, we don't have
21 a good sense of where unintended effects fit into
22 this. Again, we have a National Academy's report that
23 may be out soon that may shed some light on this, and
24 I hope it does, how that would impact environmental
25 assessments, because unintended effects in an

1 environmental assessments have not gotten a tremendous
2 amount of attention.

3 But even when you're talking about the
4 primary gene of interest, we don't know where to draw
5 the lines yet. So, for instance, non-shattering seed
6 heads have long been discussed as a domesticating
7 trait that reduces the fitness of a crop. And if you
8 included that into a new, genetically engineered crop,
9 there's probably pretty wide agreement that if that
10 got out, it would reduce the fitness of a wild
11 relative.

12 But there's other traits that are not so
13 clear and some of the scientists, Steve, in
14 particular, has mentioned dwarfing traits. Well,
15 dwarfing traits are very complex. There's different,
16 you know, cascades of genes that are involved in
17 dwarfing. And we certainly know that different eco-
18 types of wild plants that fit in different
19 environments, adapted to different niches -- I've
20 never been clear on what the term is -- have different
21 stature.

22 So you can look at Alpine eco-types of
23 certain brassicaceous plants and they're very short.
24 You can look at the same eco-types that grow in a
25 valley and you can even look at this with the

1 Arabidopsis and they're much taller. And that brings
2 up the point that ecological fitness is always a
3 function of the organism and the environment, as well
4 as the gene.

5 So I think we're just premature in laying,
6 except in maybe some rare cases, in functionally
7 laying out a tiered system. I think, you know, it has
8 merit for several reasons. If it can be done, you
9 know, in a scientifically sound way, which is that,
10 you know, you encourage the developers to build in
11 safety if they can upfront. And one of the incentives
12 of that would be to go through a tiered system where,
13 you know, it wouldn't have to necessarily go to upper
14 tiers. That may encourage them to build in some of
15 those safety measures.

16 I think there just needs to be a lot of
17 groundwork done from the scientific community to where
18 you can draw those lines. And one of them, I think,
19 clearly could be domesticated versus non-domesticated,
20 while relative to that whole situation. We wouldn't
21 want to see at this point saying that, let's say where
22 there's no wild relative, that you have a diminimus
23 kind of assessment. But there could be differences in
24 the level of assessment. But again, I think it's a
25 concept that needs to be explored further and has some

1 merit.

2 I want to just go through just quickly on a
3 couple of the specific issues here. On the first
4 issue, and I'm going to just kind of jump around, do
5 other biological control agents need to be considered?

6 I think there's certainly one category at least that,
7 and I'm sure there's others, that seem to be falling
8 through the cracks, historically falling through the
9 cracks between EPA and you folks, which is nematodes.
10 Somebody has got to pick that up at some point. I
11 mean, there are some nematodes like Steinernema and
12 others that can be important in biological control.
13 They're incredibly important. I think they have the
14 biggest biomass in the soil, nematodes. And it's a
15 real problem to continue to be overlooking those. I
16 think you need to get together with your counterparts
17 at EPA and come to some agreement about who is going
18 to regulate that. Somebody needs to do it.

19 And especially when you consider some of the
20 insect pathogenic nematodes. People are already
21 working on the genes from the symbiotic bacteria like
22 Photorabdis as PIPs. And so, you know, clearly
23 there's interest in these organisms, whether you're
24 talking about the whole nematode or the symbionts or
25 the proteins from the symbionts. They could be used

1 in any combination. You could potentially increase
2 the effectiveness or expression of those proteins in
3 the symbionts and still use the nematode as a vector
4 to get a good soil. So I think you really need to
5 start thinking about that.

6 Going to number three, I think one way that
7 we would look at this is we wouldn't be so much
8 looking at it as a way to allow commercialization with
9 minimal risk. I think the idea, as Joe said, of you
10 all having a handle, post-commercialization is
11 critical. And scientists have said over and over
12 again that you're never going to get a complete risk
13 assessment at a field trial level. EPA has these
14 conditional registrations, of course. I think it
15 would be very helpful if you could have a handle on
16 post-commercialization crops because of the scientific
17 basis of not always being able to have a complete risk
18 assessment at the field trial level.

19 What I would actually want to see is that
20 you have no evidence of risk at those levels, but then
21 have a handle if risk shows up post-commercialization,
22 rather than trying to find a level of minimal risk,
23 you know, before you commercialize. But the other
24 question would be what kind of handle would you have,
25 of course, on a regulatory basis, what kind of

1 enforcement actions could you take? And you know, we
2 would, of course, want to see at least your ability,
3 if there was some significant risk demonstrated
4 afterwards of actually revoking that whatever you
5 would be. I mean, I guess you wouldn't call it
6 deregulation, but that would be, we'd want to see some
7 teeth in that approach.

8 In terms of pharmaceutical crops, I think
9 environmental risks that have to be considered are in
10 the context, again, of the biological use of
11 pharmaceutical crops. You know, they're intended
12 mostly for, you know, obviously for mammalian drug
13 treatment. And so they're going to be hopefully, for
14 the producers, very bioactive in mammals, potentially
15 birds, other, you know, higher vertebrates,
16 especially, so we can expect that. So I think, you
17 know, it cannot be neglected what the impact of that
18 may be.

19 Not only in terms of food crops should there
20 be extreme caution with pharmaceutical, industrial
21 crops, but again, even if it's not a food crop, if
22 their wild relatives, what would be the impact if you
23 had escape of a pharmaceutical transgene into a crop
24 on herbivores, especially higher vertebrate
25 herbivores? And especially if it did increase the

1 fitness or the frequency of the gene increased
2 significantly in the population of the wild relative.

3 And as far as the food safety end, I think
4 from our perspective, the FDA system is, frankly,
5 completely inadequate at this point. It's a voluntary
6 system. You don't get an assessment of the safety.
7 So I'm not even sure how you would build a current
8 food safety assessment into the situation right now,
9 unless you went through the non-GRAS drug assessment
10 process, because FDA does not come out with an
11 approval of the safety, the food safety of the crops
12 under CFSAN's jurisdiction. So I don't think that
13 process we would consider to be adequate to allow you
14 to take that into consideration at this point. If
15 that situation changed at FDA, that may be a different
16 matter. I don't think that's going to happen in the
17 near future, so it may be a moot point for now.

18 Also, in terms of relieving regulatory
19 burden, I think I've covered this, but I would just
20 want, number ten is again, the emphasis should be on
21 making sure the risk assessment is adequate. And
22 we're not at a point, I don't want to beat this dead
23 horse any further or much further, but with enough
24 work on the part of the regulatory agencies, you might
25 be able to get to that.

1 I also want to say that I think this might
2 be a good forum to say it, just briefly, is I've been
3 doing some research on USDA field trial trends since
4 1990 and frankly, I cannot find any evidence, I know
5 USDA has made statements that there is a regulatory
6 burden that may be impacting the number of field
7 trials and applications. Some scientists have said
8 that, as well.

9 But if you actually look at the trends, both
10 for minor crops, public institution field trial
11 numbers, large institution field trial numbers, almost
12 any breakout that you look at from 1990, have gone up
13 exponentially until the late 1990s. And wherever it's
14 not going up exponentially, there doesn't seem to be
15 any correlation with changes in the U.S. regulatory
16 system. And that suggests to me pretty strongly that
17 there is no regulatory burden at this point on field
18 trials that is significantly impacting the number of
19 field trials or who is doing it.

20 So again, if you look at, you know, academic
21 institutions, they've gone up exponentially in the
22 90s. There's many fewer of them than for large
23 private institutions. And at some point, I hope to
24 release that data but it's not quite ready at this
25 point. But you can do the analysis yourself and I'm

1 sure you'll find the same thing.

2 So I think you have to start relieving
3 regulatory burden, you know. It can be laudable if
4 there's a purpose to it. If there's benefits to the
5 crops, for instance, it is a real public benefit. But
6 if there's not a significant regulatory burden in
7 terms of the actual impact, then it's not clear what
8 the relief needs to be.

9 And again, at this stage of the development
10 of genetically engineered crops, the emphasis, you
11 know, we think needs to be on making sure they're
12 safe. And I would urge you to look very carefully at
13 the idea that there is a substantial regulatory burden
14 that's actually having an impact.

15 I was involved in some of the first, the
16 first release of the genetically engineered organism.
17 Maybe some of you remember, called the ice-minus
18 bacteria. I was one of the researchers on that. And
19 we had to go out there in moon suits with huge
20 detectors in areas of fallow ground and etc. It was a
21 burden. I think it was warranted. It drove my PI
22 nuts at the time, Steve Lindow, I was a graduate
23 student. But it was warranted, given the state of our
24 understanding of things.

25 That's not the case with notifications or

1 permits anymore. And so I think there needs to be
2 come real care in terms of accepting the argument.
3 And I have to tell you, one of the USDA documents
4 makes that argument. I talked to the people that were
5 the authors of that and they basically were, they had
6 no, by their own admission, support for that
7 contention. It was in the report, but they had said
8 to me in discussions that, as a matter of fact,
9 somebody said it was something that industry
10 contended, which I don't think is necessarily the most
11 reliable source for that kind of information. There
12 was nothing and in that report, I can dig it up and
13 get it to you, there is no documentation of references
14 to regulatory burden in the report. It's just a
15 statement.

16 Oh, there is just one other issue to briefly
17 touch on in terms of international standards. I think
18 that right now they're in a pretty primitive state.
19 Obviously, there's a lot going on with Cartagena and
20 Codex and etc., etc. But we need to make sure first
21 that the compliance is up to U.S. standards and the
22 regulations are up to U.S. standards before we accept
23 import based on standards in other countries.

24 So, that's it. Thanks.

25 MS. SMITH: Go ahead.

1 MR. JENKINS: Okay, I've got just a few more
2 little notes that Doug spurred my thoughts on and I
3 hate to lose this chance, as long as we've got you all
4 here, to talk about sort of the transparency issue
5 related to the field tests and how they're registered
6 and how they're disclosed and what information you can
7 gather from the data base that's been publicly
8 available, the Virginia Tech data base. Which is a
9 very helpful data base in some ways and very, very
10 frustrating in others. I think we've stressed that to
11 you in other contexts, but some comments or thoughts
12 on that.

13 I think the policy is now pretty clear that
14 you can't renew the same field test for several years,
15 at least my gathering is that that's now changed, but
16 I think that needs to be spelled out more clearly,
17 just so we understand what's going on with the field
18 test. You know, that one permit number does not go on
19 for years and years under renewals that aren't clear
20 from the data base. We hope that, you know, in the
21 future, when we look for field test records, we can
22 see, you know, what year it's good for. And the other
23 big problem, I think, with the data base entries and
24 the field tests is in some, they're up to 14 different
25 compounds or even more in some cases, I think, being

1 tested under the same field test permit. Several
2 claimed, often the notification, but several claimed
3 as CBI and unclear entries about what relates to what.
4 And it's just not a very helpful situation when
5 you've got a lot of stuff being tested under the same
6 permit number.

7 And one other comment on the field test is
8 this relates to one specific field test, which is the
9 one going on in Oregon with Scotts and Monsanto
10 growing the creeping bentgrass. Something like a 400
11 acre field test and from what we can gather, really
12 are wrapping up the commercial production. Isn't that
13 a different threshold? Should that be allowed to
14 happen under the "field" test regime? I mean, you've
15 got other field tests where they're basically testing
16 one line and one small row of one compound and maybe
17 25 plants. And that's being treated, you know, maybe
18 very appropriately, as a categorical exclusion. The
19 only thing is we've got a 400 acre field test in
20 Oregon of something that is clearly being grown in
21 commercial quantities and is treated exactly the same
22 under the same regulatory regime, same NEPA
23 compliance.

24 So, you know, I think maybe you need a
25 threshold of how big a field test can be and whether

1 it can really be part of a commercial production
2 system. Other comments? Joe?

3 MR. MENDELSON: No.

4 MR. JENKINS: Did you not want to answer
5 questions from us about some of these specific things?

6 MS. SMITH: On the advice of our lawyers,
7 we're not going to be able to.

8 MR. JENKINS: Okay, we will submit further
9 comments. Thanks again for the opportunity.

10 MS. SMITH: Well, this has been
11 extraordinarily important that you guys came with a
12 lot of good information. This really has been a very
13 informative session, so we really appreciate your time
14 and willingness to come and share your information
15 with us. And we look forward to seeing your comments.
16 It sounds like your comments are going to be really
17 quite informative and very useful.

18 MR. MENDELSON: Can I ask, what is the
19 process that goes forward from here? Do you have a
20 time line on where you're going with this, at this
21 point? I mean, you didn't have when we did our
22 briefing over the phone, but --

23 MS. SMITH: It's hard to know exactly.
24 We're eager to move forward. Our intention is to try
25 to complete our EIS this year. At the same time while

1 EIS is a priority, we're going to bring a lot of
2 resources to bear to get it done, we're not going to
3 rush it so much that we compromise the integrity of
4 the document. So it's a priority, we're going to go
5 as quickly as we can, but it's hard to say right now,
6 particularly until we get all the comments and get a
7 good sense of the range of things that we need to
8 address in the EIS.

9 MR. MENDELSON: You're going to wait to
10 complete the proposal that the EIS or the proposal --

11 MS. SMITH: The intention is to have the
12 draft EIS, the EIS process inform the rulemaking
13 process. And so our intention is to issue the EIS
14 before the proposed rule.

15 MR. MENDELSON: Okay. Thanks.

16 MS. SMITH: Well, thanks a lot for coming
17 in. We really appreciate your comments.

18 MR. GURIAN-SHERMAN: Thanks a lot.

19 (Whereupon, at 10:44 a.m., the meeting was
20 adjourned.)

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HEARING DATE: February 26, 2004
LOCATION: Riverdale, Maryland

I hereby certify that the proceedings and evidence are contained fully and accurately on the tapes and notes reported by me at the hearing in the above case before the United States Department of Agriculture.

Date: February 26, 2004

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