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1	UNITED STATES OF AMERICA
2	NUCLEAR REGULATORY COMMISSION
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4	ADVISORY COMMITTEE ON NUCLEAR WASTE AND MATERIALS
5	(ACNWM)
6	181 <sup>st</sup> MEETING
7	+ + + +
8	THURSDAY,
9	JULY 19, 2007
10	+ + + +
11	VOLUME III
12	The meeting was convened in Room T-2B3
13	of Two White Flint North, 11545 Rockville Pike,
14	Rockville, Maryland, at 8:30 a.m., Dr. Michael T.
15	Ryan, Chairman, presiding.
16	MEMBERS PRESENT:
17	MICHAEL T. RYAN, Chair
18	ALLEN G. CROFF, Vice Chair
19	JAMES H. CLARKE, Member
20	WILLIAM J. HINZE, Member
21	RUTH F. WEINER, Member
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1	NRC STAFF PRESENT:	
2	JOHN FLACK	
3	FRANK GILLESPIE	
4	DEREK WIDMAYER	
5	LATIF HAMDAN	
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1	I-N-D-E-X	
2		Page
3	Opening Remarks by the ACNWM Chairman	3
4	Regulatory Guides Scheduled for Revision by	3
5	the Office of Nuclear Regulatory Research	
6	Adjourn	
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1	P-R-O-C-E-E-D-I-N-G-S
2	8:29 a.m.
3	CHAIRMAN RYAN: On the record. I call
4	the meeting to order please. This is the third day
5	of the 181 <sup>st</sup> meeting of the Advisory Committee on
6	Nuclear Waste. During today's meeting, the
7	Committee will consider the following: Regulatory
8	Guides Scheduled for Revision by the Office of
9	Nuclear Regulatory Research and discussion of ACNWM
10	letters and reports.
11	I don't know who the Designated Federal
12	Official is because Antonio is not here. Derek
13	Widmayer is the Designated Federal Official for
14	today's session. We have received no written
15	comments or requests for time to make oral
16	statements from members of the public regarding
17	today's session. Should anyone wish to address the
18	Committee please their wishes known to one of the
19	Committee's staff.
20	It is requested that speakers use one of
21	the microphones, identify themselves and speak with
22	sufficient clarity and volume so they can be readily
23	heard. It's also requested that if you have cell
24	phones and pagers that you kindly turn them off at
25	this time. Thank you very much.
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1 The first item on the agenda was one we set last month to talk about the reg guides that are 2 3 under Phase I, Phase II and Phase III in the Office 4 of Research for update. The thought came out of my 5 discussion or the EDO's response to our letter on the GALE codes and the reg guide that the GALE codes 6 7 support. We recommended that the foundational 8 documents, the GALE codes, be updated. 9 There were interesting things in the One, it was written in FORTRAN 4 and 10 GALE codes. not really thoroughly documented. Two, some of the 11 values in it were hardwired or numerical values and 12 there was no documented basis for particular values 13 14 and it seemed to at least raise the question is all the data and information still valid. 15 So what I've done is actually create a 16 17 spreadsheet from what's on the website for Phase I, Phase II and Phase III with idea that the Committee 18 19 probably has some interest in selected reg guides relative to our agenda and our action plan that we 20 should be mindful of. 21 My thought was that we would take a look 22 at all ten divisions of reg guides, divide them in 23 24 some way and have each member take a crack at identifying things that probably were on the 25

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1 important list from our perspective and then begin 2 the process of thinking about what's the foundation 3 document behind it, if there is one. Some of them 4 don't have any. They are self-contained and so on 5 and go from there. But my suggestion is we defer that until after the briefing that Sher Bahadur or 6 7 Director Bahadur agreed to at our meeting yesterday 8 where he said Research will be happy to come down 9 and talk about their overall plan for how they plan 10 to update them and we can get into the detailed question with him on the points of what are the 11 foundation documents that he thinks are critical and 12 what req quides do they support and what some of the 13 14 issues are. Our letter that we're going to take up 15 16 shortly on the Health Physics aspects that Jean-17 Claude Dehmel presented to us, Standard Review Plan Chapters 11.2 through 11.5, raise interesting 18 19 questions about what dosimetry applies. Is it ICRP-2 or is more modern dosimetry and so forth? So some 20 of those questions will come up in the letter 21 writing from Jean-Claude's presentation. 22 So I just wanted to get the Committee's 23 24 opinions or ideas on does this make sense. I think it's an important exercise particularly with writing 25

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1 new reactor licensing and COLs and so forth to see are there any holes that need to be filled or views 2 that need to be made to make sure that everything is 3 4 consistent and coherent and up-to-date. And the answer is probably that there are things in those 5 6 categories, but what's the right order of march to 7 get it done? We need to, at least, think through 8 that. 9 And, Mike, I think that's MR. WIDMAYER: 10 a qood plan. Sher sort of mentioned that he was prepared to do that in like six months. 11 It seems like that might be a long time to wait. 12 CHAIRMAN RYAN: Sooner rather than 13 14 But again, I would hate to get embarked on later. 15 dividing up our time on doing something if they've 16 already done it. So I guess I would ask that we 17 maybe see if we can move that up in time a little bit, even if it's more of a top level review to get 18 19 Because if we can get a line of what us started. they're doing and what we're evaluating earlier 20 rather than later, even if it's at higher level in 21 their planning, that's probably worth doing. 22 MR. GILLESPIE: Mike, was Sher's 23 24 commitment just on the req quides his division's responsible for or all of them? We need to check 25

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1	that.
2	CHAIRMAN RYAN: I think it is.
3	MR. WIDMAYER: I think he said that it
4	is. I think he said he adopted Yes, I think he
5	told us he adopted the whole effort.
6	MR. GILLESPIE: We need to double-check.
7	CHAIRMAN RYAN: Yes, I think he has the
8	whole ball of wax. That was my understanding, too,
9	Derek. And the Phase I, II and III schedule fell
10	into his shop now.
11	MR. GILLESPIE: Let's see what we can
12	ask because I think his six month was less to do
13	with the contention question that you asked, Mike.
14	CHAIRMAN RYAN: Yes.
15	MR. GILLESPIE: And more to do with the
16	fact that the other offices had not in their budget
17	since it was already budgeted to support the effort.
18	So we need to separate the technical question of
19	underlying documents and maybe the grouping of reg
20	guides where it's dependent like the GALE code
21	supports multiple things.
22	CHAIRMAN RYAN: Right.
23	MR. GILLESPIE: And so one of the
24	questions we might have is could he come earlier and
25	talk about the technical aspects of how are they
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1 going to group them, how are they going to deal with 2 source documents and then secondarily, where does he 3 stand on working out schedules with the other 4 offices.

5 CHAIRMAN RYAN: Right, and if, for example, he has a list of six or eight or whatever 6 7 number of foundation documents, of computer codes or of other things that they are planning to update 8 9 that support this matrix of req quides, that's the 10 kind of thing I'm looking to understand so that, quite frankly, we don't duplicate the effort that 11 they've done and we can understand their program a 12 little bit more in detail. That's really what I 13 14 wanted to try and set the stage for, but we sort of 15 jumped ahead by having Sher's presentation 16 yesterday. MR. GILLESPIE: Which is more of the 17 technical content of the guide. 18 19 CHAIRMAN RYAN: Right. 20 MR. GILLESPIE: As opposed to the scheduling aspect. 21 22 CHAIRMAN RYAN: Exactly. And from my observation 23 MR. GILLESPIE: 24 having sat in when Research briefed the other offices, they immediately got so hung up on the 25

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1 scheduling aspect and we're not budgeted that the technical aspect is their six to ten key documents 2 in various divisions of req quides that have to be 3 4 looked at that affect multiple guides. So what that 5 was was a technical question. I think that's earlier rather than later. 6 7 CHAIRMAN RYAN: I think there are a 8 couple other global technically focused questions 9 that we ought to push to Sher and ask him to include 10 in his presentation to the extent that he can. One is everybody recognizes that the dosimetry 11 foundations for regulations and reg guides span from 12 ICRP-2 in 1959 to more current dosimetry which 13 14 licensees can ask to use by letter all fo ICRP-68, 15 the most up-to-date dosimetry models. What's the 16 plan for consistency and there with regard to 17 dosimetry bases? Very importantly, a dose conversion 18 factor from ICRP-2 does not calculate the same

19 factor from ICRP-2 does not calculate the same 20 quantity as it does conversion factor from ICRP-26. 21 ICRP-2 is an annual dose. ICRP-26 is a 50 year 22 committed dose. For tritium, it's the same number. 23 For plutonium, the 50 year committed dose allows 24 1/50th of the dose per year as the annual limit 25 under 2. That's a big deal for long-lived

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1	radionuclides that persist in the body and the idea
2	is the total dose is the metric of total risk.
3	Therefore, total collective dose is a better way to
4	regulate or to control and that's embodied in Part
5	20.
6	Part 61, for example, is completely
7	inconsistent with it. It's the only place where you
8	see organ dose limits still in the regulations. So
9	that's the dosimetry question.
10	The other is a lot of reg guides
11	addressed were written in the `70s. For example,
12	there are a couple on uranium measurements and
13	bioassay. Well, uranium bioassay is done by NSBG
14	these days more than it is off the spec, although
15	both are still used. My point is the technology
16	which is the topic of a lot of reg guides
17	particularly in Division VIII are way out of date.
18	So the other point is there are
19	consensus standards, Health Physics Society, ASTM,
20	ASME and consensus body standards. What's the plan
21	to either incorporate, reference or adopt consensus
22	standards where they exist instead of rewriting a
23	reg guide?
24	Those are some of the questions I just
25	wanted to plant in the Committee's minds and see if
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1	you all think this is on the right track and we can
2	then ask Frank and staff to maybe help us to put
3	together some briefings and it will help us give the
4	Commission advice on things.
5	Now take the consensus standard
6	question. There may be good reasons why they don't
7	use them or shouldn't use. I don't know. But I'm
8	looking to get that answer because if there is a way
9	to take advantage of them I think the Agency's
10	written position is that they will take advantage of
11	consensus standards where they exist. There may be
12	a lot of opportunities there. It's tough to think
13	about. Any thoughts?
14	MR. HAMDAN: The thought I have is when
15	Sher comes with his briefing he will discuss
16	schedules and budgets. But part of that it seems to
17	me is to discuss the approach because you can't have
18	budget on this, how you are going to go about
19	getting this.
20	CHAIRMAN RYAN: You know, I think the
21	Committee is not insensitive to schedule, budget and
22	manpower questions, but quite frankly, that's not
23	our issue.
24	MR. HAMDAN: Right, but my point is it
25	has to be that part of Sher's presentation is the
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1	approach of contact to update these guides.
2	CHAIRMAN RYAN: And in fact, the
3	technical approach and the technical issues are what
4	I think we want to hear about and frankly, I don't
5	think we want to hear about manpower and budgeting
6	and all of that.
7	MR. HAMDAN: No.
8	CHAIRMAN RYAN: That's not our deal.
9	MR. WIDMAYER: No, the only aspect out
10	of it that you might want to know about is priority
11	though which
12	CHAIRMAN RYAN: Right. What's their
13	priority order, absolutely, but again, I view that
14	to be what's the most important technical issue to
15	get addressed rather than what are they going to do
16	first on the schedule.
17	MR. GILLESPIE: But what has to affect
18	priority is some sense of coherence between
19	overlapping guides which support different sections
20	of regulation.
21	CHAIRMAN RYAN: Exactly.
22	MR. GILLESPIE: And that's why it may be
23	something everyone would like to have done sooner.
24	But the fact that we haven't gotten it done since
25	the 1970s means there's time to do it right in a
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1	coherent way and get
2	CHAIRMAN RYAN: But that's a strategic
3	question, not a budget and manpower.
4	CHAIRMAN RYAN: Yes, that's a technical
5	approach, coherence, and so let us talk to Sher
6	because I think he got derailed in technical
7	approach by scheduling budgets where other offices
8	thought they could cut a little bit by surprise.
9	And so what we want to do is have him come to the
10	Committee and we can do this and I think Sher will
11	be very amenable to coming to talk to us.
12	CHAIRMAN RYAN: Okay. Go ahead.
13	VICE CHAIR CROFF: One suggestion, we
14	have to the whole day. Can we check with Sher and
15	find out sort of when he can come in and what he can
16	do and answer a few of these very preliminary
17	questions before the day is out so that we can
18	decide whether
19	CHAIRMAN RYAN: I think that's a little
20	unfair. I mean, first, he may have other things to
21	do today and, second, I wouldn't want to put him on
22	the spot.
23	VICE CHAIR CROFF: I'm not asking if he
24	could come down, just have somebody give him a ring
25	and say
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1	CHAIRMAN RYAN: I'm sure Frank can take
2	care of Sher.
3	MR. GILLESPIE: Yes, we can talk to
4	Sher.
5	VICE CHAIR CROFF: And just ask him. I
6	mean, is six months the absolute earliest or can you
7	come in earlier and a few of these procedural things
8	almost. I mean, I don't want to have him try to
9	answer the questions.
10	MR. HAMDAN: In fact, it might not be a
11	bad idea, Mike, if you can have a sidebar with him
12	just on what was
13	CHAIRMAN RYAN: Again, the fairness of
14	getting it in place is not what I want to focus on
15	right in this hour. It's really what are we looking
16	to accomplish.
17	MR. GILLESPIE: The question of Sher is
18	the practicality of doing the technical approach
19	sooner than worrying about the final agreed-upon
20	schedule.
21	CHAIRMAN RYAN: And again, my goal is if
22	there are significant technical questions like, for
23	example, the range of dosimetry methods across reg
24	guides. That's one that I think needs to be thought
25	through from all these points of view particularly
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16 1 the strategic point of view. I want to make sure 2 that if we write a letter about that one it would 3 capture any other one that we might recognize in our 4 assessment and our review. The use of consensus 5 standards is one, too. Which is a government 6 MR. GILLESPIE: 7 wide policy which the NRC is obligated to 8 participate in. 9 CHAIRMAN RYAN: Right. And what has 10 been the Agency's formal review of consensus standards that are out there. 11 MR. FLACK: Just to follow these 12 thoughts a little bit more, there are really two 13 14 types of changes that are going to be taking place, I think, one that's going to be the way we do 15 business today and it's just going to be a matter of 16 17 updating the reg guide based on that business that we do today, consistent with the way we do things 18 19 today. 20 Then there are these other kinds of changes which will possibly be sort of a back-fit 21 In other words, it's something 22 type of a change. that we would impose more stringent requirements on 23 24 an applicant. At least in reactor space, that would require certain kind of back-fit analysis and so on. 25

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1 Now these are two types of changes. Ι think the former is somewhat easy because that's the 2 3 way they're doing business today. This is the 4 supplementary information that came since the reg 5 quide had been developed. They have to follow this updated information and, in the case of reactors, 6 7 it's generic letters or whatever came out, new 8 information. But that's the way we're doing 9 business today. It's just consolidating it into one 10 reg guide. The other piece, what you're focusing 11 on, is changes that could really change the way the 12 quidance is going to be implemented and they're 13 14 going to have to do something different. Now I 15 don't know how many are in that category, but that's the one, I think, that you're probably thinking more 16 about, for example, if you use a different code and 17 you get different results and they have to do 18 19 something different and I don't know what that means in even back-fit space. I mean, with reactors they 20 do have criteria on you impose that new requirement 21 So I don't know if that applies here 22 on a licensee. But I was looking at that from those two 23 as well. 24 different perspectives.

MR. GILLESPIE: I think that's part of

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1 the technical approach. I believe it's going to be actually the other way that people for the most part 2 3 have tried to use the consensus standard to try to reference this and it's going to be more looking at 4 5 what are the exemptions we've had to give out over the last ten years to bring our technology base up 6 to date with what we actually allowed. 7 8 MR. FLACK: So it's really going the 9 other way then. 10 MR. GILLESPIE: Yes. I don't think the Commission envisioning this as being a big back-fit. 11 It should be -- In essence, I think it's going to be 12 more of money saver to industry so that they won't 13 have to submit exemptions. They'll just be 14 15 consistent with the new technology. So it should be a positive, I think, more than a negative on the 16 17 technology side. I'll talk to Sher and see what we can do on the 18 19 technical approach. 20 CHAIRMAN RYAN: Okay. Any other thoughts on the approach? 21 Bill. One thing is the level of 22 DR. HINZE: our concern and some of these will be fairly high 23 24 level and others I can see that because of our 25 experience on this committee and the things we've

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1	heard that we will want to dig more deeply into
2	them. So I see these as being rather irregular in
3	the depth that we go into them.
4	CHAIRMAN RYAN: I agree. That's again
5	why I think a little bit of planning up front here
6	is really essential, what depth we want to go and on
7	what issues.
8	DR. HINZE: I mean, simply risk
9	informed. There are some areas where we can state
10	simply that this should be brought up to speed in
11	terms of being risk informed and others we want to
12	get into some of the dose conversions and so forth.
13	CHAIRMAN RYAN: Let me see if I have the
14	list handy. I do have it handy somewhere. Just to
15	pick on the one that I know a little bit about,
16	Division VIII. There was a lot of environmental
17	stuff in Division IV. Some of that, Bill, I think
18	you would interested in. But there's even a reg
19	guide on the radiation warning symbol, guide for
20	administrative practices and radiation monitoring.
21	That was last written in `73. I'll bet you there's
22	not many instruments that are still in use in the
23	same electronic box they were in `73. Direct
24	reading and indirect reading pocket dosimeters.
25	Everybody uses self, direct reading radio-controlled
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1	pocket dosimeters these days and electronic
2	dosimeters rather than visual, so again, `73.
3	Some have been updated. The
4	instructions for recording and reporting
5	occupational radiation exposure, that was updated in
6	2005. But I guess some of these are not nearly as
7	important as others. Some are really not in our
8	wheelhouse, for example, radiation safety surveys in
9	medical institutions. That's just not Part 35 is
10	just not in our wheelhouse.
11	A couple have been withdrawn which is
12	probably good. Maybe others should. Eight eleven
13	is applications of bioassay for uranium, last
14	updated or new in 1974. Thirty-three years behind
15	the technology of uranium analysis.
16	MR. WIDMAYER: Part of Sher's
17	presentation, not only do they have Phase II and
18	Phase III with their updates, but they have also
19	proposed a bunch of them to withdrawal. So he can
20	tell us.
21	CHAIRMAN RYAN: Yes, I have those lists,
22	too, and there's not as many that are withdrawn as
23	you might think. But again, that's a good point.
24	It's all a part of the deal.
25	Some divisions or there are ten
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	21
1	divisions of reg guides. Division IX is anti-trust
2	and financial review. Not our chicken. NRC
3	regulatory guides which are general, some of those
4	probably are really not all that meaningful to us to
5	look at.
6	Let's see. Do I have a list of all of
7	the divisions? No, I don't, not handy. But on the
8	website is a list of every division of reg guides.
9	It might be good for everybody to familiarize
10	themselves with that list and take a look at the
11	division that you're interested in technically and
12	see what you think. We could take the time now to
13	do that.
14	VICE CHAIR CROFF: So, in general,
15	you're suggesting we suspend any reviews of these
16	reg guides until we hear back from them and see what
17	
18	CHAIRMAN RYAN: If it's a reasonable
19	amount of time. I mean, if it's like September or
20	October I think that would be great to hear from
21	Sher and go from there. If it's going to be after
22	the first of the year, I think we need to dive in a
23	little bit on our own and at least get more familiar
24	with things.
25	VICE CHAIR CROFF: I think I'd made a
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1	start in Division III and discovered there were
2	antiques as you've pointed out in other divisions.
3	CHAIRMAN RYAN: Right.
4	VICE CHAIR CROFF: I think maybe I'm
5	going to go through Division III in a very cursory
6	way because I may want to say something about it in
7	the fuel recycle letter.
8	CHAIRMAN RYAN: Okay.
9	VICE CHAIR CROFF: In terms of these
10	whole series of reg guides are basically antiques
11	and there's a lot of work ahead to bring them up to
12	modern times.
13	One thing I noticed in just making a
14	start is even back at least one of them referred to
15	a consensus standard. I don't remember what it was.
16	Unfortunately, you know, the standard no longer
17	exists. The numbering system no longer exists.
18	There is a replacement standard, but you sort of
19	have to go to another part of the standard setting
20	infrastructure and go and ferret out what it is. So
21	I expect we're going to find a lot of that.
22	But maybe a secondary point is if they
23	rely on consensus standard and a reg guide is
24	basically boilerplate used as standard, there's an
25	implied obligation to continue to revisit them to

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23 1 make sure you have the most current standard because the standards people are sort of moving over here in 2 standard space and the two aren't necessarily 3 4 connected. 5 CHAIRMAN RYAN: I agree, Allen. That all sounds good and I mean, those are the kinds of 6 7 things I think if we can see patterns or it's a one-8 opt deal, however that shakes out, that we need to 9 advise on. I do have the list of divisions. 10 Power reactors is Division I. Any volunteers? 11 DR. WEINER: There is one reg guide in 12 there on air dispersion that I'm pretty familiar 13 14 with. CHAIRMAN RYAN: We're all familiar at 15 16 one point with 1.109. 17 DR. WEINER: Yes, that's -- I'll take a look at that. 18 19 CHAIRMAN RYAN: John Flack. MR. WIDMAYER: Sold. 20 21 MR. FLACK: Got it, 1.109. 22 CHAIRMAN RYAN: Can you take a look because you probably are very familiar. Not 109, 23 but the whole Division I. 24 MR. FLACK: Sure. 25

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1	CHAIRMAN RYAN: And frankly, I think
2	that's one that's probably fairly mature because I
3	know for COLs they had to get some updates going.
4	DR. WEINER: Yes.
5	CHAIRMAN RYAN: That's I. Research and
6	test reactors, my guess is that's a relatively lower
7	priority.
8	DR. WEINER: Yes.
9	CHAIRMAN RYAN: Fuel material, that's
10	Division III. Allen. Environment and siting. Bill?
11	DR. HINZE: Yes.
12	CHAIRMAN RYAN: Materials and plant
13	protection. Does that really just I'm sorry.
14	(Off the record comments.)
15	CHAIRMAN RYAN: Materials and plant
16	protection.
17	MR. GILLESPIE: That's going to be
18	mostly security, but I wouldn't want to say it all
19	because that's basically supporting Part 70.
20	DR. WEINER: Yes.
21	MR. GILLESPIE: Which is a licensing
22	section on materials.
23	CHAIRMAN RYAN: Yes.
24	MR. GILLESPIE: So I think that someone
25	might need to just eyeball it.
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25 1 MR. WIDMAYER: I'll eyeball it if you 2 want. 3 CHAIRMAN RYAN: Yes, thanks, Derek. 4 Products is accumulative. Division VI, Products. 5 VICE CHAIR CROFF: Give us a hint what that means. 6 7 DR. WEINER: Yes. What is that? 8 MR. GILLESPIE: That's a division not 9 many of us are actually associated with very often. 10 CHAIRMAN RYAN: It's medical, brachytherapy. 11 MR. WIDMAYER: So just hunt on that one 12 13 for now. 14 CHAIRMAN RYAN: Yes, let's just put that 15 one on standby. Well, it's well logging and sources 16 and stuff like that. There are only nine reg guides 17 in it. That one, I hate to say MR. GILLESPIE: 18 19 it, but well loggers actually hurt themselves. DR. HINZE: I'll take it. 20 MR. GILLESPIE: But that may be more of 21 22 a --CHAIRMAN RYAN: Why don't you look at 23 24 the whole group of nine and if you need to toss some to somebody else, just let them know. 25

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1	DR. WEINER: Bill, I'll help you with
2	the environmental ones.
3	CHAIRMAN RYAN: Let's let him do it.
4	You can pick up a whole division. Why don't you do
5	transportation which is seven?
6	DR. WEINER: Okay. Seven,
7	transportation, good enough.
8	CHAIRMAN RYAN: Occupational health
9	which is VIII I'll take and I think we just,
10	antitrust and financial review, that's not our
11	chicken and the general which is administrative
12	stuff for the Agency, I think we'd leave that aside.
13	Again, the goal is when you go through
14	it, recognize the age, try to identify the
15	foundation documents as Allen has done and properly
16	mentioned. Let's see if you can get some sense of
17	the age or is it up to date or is it even available
18	or that kind fo thing and see what we can put
19	together as a plan. I'm going to send all the
20	members a spreadsheet that has all the reg guides
21	from all the divisions in the Phases I, II and III
22	plans laid out as Phases I, II and III so you can
23	make whatever notes and updates you want and then as
24	you update it, send me your updates and I'll
25	consolidate all the updates.
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1	Our next meeting will be here in
2	September and I hope to have your first passthrough
3	everything by then and by then means two weeks
4	before the meeting so that I consolidate it, not the
5	night before the meeting. Okay.
6	MR. WIDMAYER: Do you want to put a
7	session in September on this effort?
8	CHAIRMAN RYAN: Let's put an hour in
9	just to update and see where we are like we're doing
10	now and that's fine. I think we just kind of gather
11	everybody's thoughts and organize it.
12	MR. GILLESPIE: And let's see if I'm
13	going to ask Sher if even in September if he doesn't
14	have viewgraphs, if he could come down and discuss
15	the technical things like the questions of
16	looking at consensus standards by section, looking
17	at reference documents that might be in there that
18	are dated and he might be able to come down and talk
19	about where they stand at least on technical
20	approaches.
21	CHAIRMAN RYAN: Right.
22	VICE CHAIR CROFF: Mike.
23	CHAIRMAN RYAN: Yes.
24	VICE CHAIR CROFF: If you're going to
25	smash something together in September, it would be
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1	useful if you would send us a template.
2	CHAIRMAN RYAN: So I get the whole
3	spreadsheet then out.
4	VICE CHAIR CROFF: I mean a template of
5	the blanks you want us to fill in.
6	CHAIRMAN RYAN: Okay. I'll put a cover
7	note with it and then go from there. Okay.
8	VICE CHAIR CROFF: Just, you mentioned
9	the age, foundation
10	CHAIRMAN RYAN: Just what we talked
11	about now, yes.
12	VICE CHAIR CROFF: Whatever the headers
13	are.
14	CHAIRMAN RYAN: No problem. Is there
15	anything else?
16	(No response.)
17	CHAIRMAN RYAN: We may find out that the
18	Phase I, II and III schedule and everything that
19	goes with it is perfect or not. But I think it's
20	worth us doing a little bit more study to see what's
21	what.
22	MR. GILLESPIE: I think the schedules
23	are going to be dragged out which is a scheduling
24	budget issue and the first step which I haven't
25	really heard anyone talk about other than the

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1	Committee this morning is technical approach.
2	CHAIRMAN RYAN: Right.
3	MR. GILLESPIE: Like I said, everyone
4	got waylaid by the incensed-ness of people saying we
5	didn't budget to this. We're surprised. So I think
6	technical approach is something it could use. In
7	fact, it may be worthy at some point of this kind of
8	presentation in a letter from the Committee then on
9	the technical approach.
10	CHAIRMAN RYAN: Absolutely. I think
11	that's a good idea.
12	MR. GILLESPIE: Yes.
13	CHAIRMAN RYAN: Okay. With that,
14	anything else on this topic?
15	DR. HINZE: When will you have that
16	template to us? In a week or ten days?
17	CHAIRMAN RYAN: Today.
18	DR. HINZE: Today. Sold.
19	CHAIRMAN RYAN: All right. With that, I
20	think we're going to go to letter writing. I don't
21	think we need the record at this point. So we'll
22	close the record for the meeting here and start our
23	letter writing session. Off the record.
24	(Whereupon, at 8:57 a.m., the above-
25	entitled matter was concluded.)
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