# U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

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ADVISORY BOARD ON RADIATION AND WORKER HEALTH

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WORK GROUP ON PIQUA

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MONDAY APRIL 11, 2011

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The Work Group convened via teleconference at 9:30 a.m. Eastern Daylight Time, John W. Poston, Chairman, presiding.

#### PRESENT:

JOHN W. POSTON, Sr., Chairman R. WILLIAM FIELD, Member PHILLIP SCHOFIELD, Member

# ALSO PRESENT:

TED KATZ, Designated Federal Official ELIZABETH BRACKETT, ORAU Team ROGER HALSEY, ORAU Team KARIN JESSEN, ORAU Team JENNY LIN, HHS JOHN MAURO, SC&A CHARLES NELSON, DCAS JIM NETON, DCAS ARIS PAPADOPOULOS, SC&A GENE POTTER, ORAU Team LAVON RUTHERFORD, DCAS MUTTY SHARFI, ORAU Team DAN STEMPFLEY, ORAU Team

1	P-R-O-C-E-E-D-1-N-G-S
2	9:30 a.m.
3	MR. KATZ: Okay. Let's get
4	started. It's time.
5	This is the Advisory Board or
6	Radiation and Worker Health Piqua Work Group
7	We'll begin with roll call, beginning with
8	Board Members, with the Chair.
9	CHAIRMAN POSTON: John Poston, no
10	conflicts.
11	MR. KATZ: Thank you.
12	MEMBER FIELD: Bill Field.
13	MR. KATZ: Go ahead again, Bill
14	Field, and speak the conflict too, please.
15	MEMBER FIELD: No conflict.
16	MEMBER SCHOFIELD: Phil Schofield,
17	no conflict.
18	MR. KATZ: Very good. Do we have
19	any other Board Members on the line?
20	Okay. NIOSH-ORAU Team?
21	DR. NETON: This is Jim Neton,
22	NIOSH, no conflict.

- 1 MR. NELSON: Charles Nelson,
- 2 NIOSH, no conflict.
- 3 MR. RUTHERFORD: LaVon Rutherford,
- 4 NIOSH, no conflict.
- 5 MR. SHARFI: Mutty Sharfi, ORAU
- 6 Team, no conflict.
- 7 MS. BRACKETT: Elizabeth Brackett,
- 8 ORAU Team, no conflict.
- 9 MS. JESSEN: Karin Jessen, ORAU
- 10 Team, no conflict.
- 11 MR. HALSEY: Roger Halsey, ORAU
- 12 Team, no conflict.
- 13 MR. POTTER: Gene Potter, ORAU
- 14 Team, no conflict.
- MR. STEMPFLEY: Dan Stempfley,
- 16 ORAU Team, no conflict.
- 17 MR. KATZ: I'm sorry. Can you say
- 18 that again, the last one?
- 19 MR. STEMPFLEY: Dan Stempfley.
- 20 MR. KATZ: Dan Stempfley? Thank
- 21 you.
- That's quite a crew.

1	Is that it for NIOSH-ORAU?
2	Okay. SC&A Team?
3	DR. MAURO: John Mauro, SC&A, no
4	conflict.
5	MR. PAPADOPOULOS: Aris
6	Papadopoulos, SC&A, no conflict.
7	MR. KATZ: Okay. Other federal
8	officials, contractors for the Feds, HHS or
9	other agencies?
LO	MS. LIN: This is Jenny
11	MR. KATZ: Whoever that was, I
L2	just caught the end of it.
13	MS. LIN: This is Jenny with HHS.
L4	MR. KATZ: Jenny, hi.
15	Any others?
L6	How about members of the public?
L7	Any members of the public who want to identify
L8	themselves?
L9	Okay. John, it's your agenda.
20	CHAIRMAN POSTON: Thank you, Ted.
21	Basically, as I see the agenda, we
22	have two things to consider.

1	First, the tritium and carbon-14
2	issue at the Piqua Organic Moderated Reactor.
3	The other is a recent document
4	that was March 3, 2011 on the neutron exposure
5	at the Piqua Reactor.
6	These were the two issues as far
7	as I could tell that were outstanding that we
8	needed to have more information on before we
9	could side or make a vote on whether or not to
10	accept NIOSH's recommendation that they could
11	reconstruct dose.
12	Without any order to this, I would
13	like to start with the tritium and carbon-14.
14	I know that Mr. Papadopoulos is on the line
15	and perhaps it would be good to have sort of a
16	summary of that review of the NIOSH document.
17	MR. PAPADOPOULOS: Okay. We did
18	respond in a paper the SC&A's response or
19	that.
20	Our final conclusion was that the
21	White Paper our response was that we agreed
22	with the NIOSH position on the volatility

1	issues	of	tritium	and	carbon-14.	We	agreed
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- that it's technically defensible.
- I heard about the teleconference
- 4 about half an hour ago. I don't have in front
- of me the carbon-14 response or the issue.
- 6 But if I recall correctly, we
- 7 questioned the volatility of the tritium and
- 8 carbon-14 when at locations or when outside
- 9 when the coolant was exposed.
- 10 The response was the point for
- 11 which carbon-14 and H3 -- the point where the
- 12 coolant is solid is in room temperature.
- 13 Therefore, it does not release as gases the
- 14 carbon-14 and H3 into the airstream.
- 15 There was a technical presentation
- in the paper in terms of those points. They
- 17 appear to be technically correct.
- 18 CHAIRMAN POSTON: I have a
- 19 question, perhaps for John Mauro.
- 20 John, the paper that I reviewed
- 21 was labeled draft and it's dated December 20
- 22 of last year.

1	DR. MAURO: Okay.
2	CHAIRMAN POSTON: Has that been
3	approved? The paper I have wasn't approved by
4	Mr. Papadopoulos nor you, and I was just
5	wondering if that's
6	DR. MAURO: What you have in your
7	hand, I can say that it has gone through
8	SC&A's review and approval.
9	Whether or not it has been
LO	actually issued as a White Paper through Nancy
11	Johnson and is officially part of the record,
12	I'd have to check with Nancy. I've been
13	operating on the premise that it has because
L4	it has gone through the SC&A's cycle. And the
L5	summary that Aris just described is as I
L6	recall it.
L7	In fact, if I could add one more
L8	point, I believe there was also not only
L9	was it theoretically argued regarding the

also there is actually some empirical work, I

believe it was in Idaho, a reactor of a very

solidification issue on the organics.

20

21

22

But

- 1 similar nature which had data which confirmed
- 2 that the NIOSH strategy for estimating the
- 3 potential for airborne exposure was valid.
- 4 As far as this being officially
- 5 delivered, I could find out very quickly for
- 6 you by just checking with Nancy.
- 7 MR. KATZ: John, this is Ted. I
- 8 can speak to that. It was officially issued
- 9 through Nancy.
- DR. MAURO: Very good.
- 11 MR. KATZ: Yes.
- DR. MAURO: Excellent. So, yes.
- 13 That paper is in fact officially on the record
- 14 and it's SC&A's position that we find
- 15 favorably regarding NIOSH's position.
- 16 CHAIRMAN POSTON: I just wanted to
- 17 make sure that we checked all the boxes and so
- 18 forth here.
- DR. MAURO: Sure.
- 20 CHAIRMAN POSTON: Any of the Board
- 21 Members, Bill or Phil, do you have questions
- 22 about the tritium and carbon-14 issue?

I think

2	the White Paper covered it pretty good.
3	CHAIRMAN POSTON: Bill?
4	MEMBER FIELD: No. I didn't have
5	any problems. I thought it was fine.
6	CHAIRMAN POSTON: Any of the NIOSE
7	staff or no need to comment? Do you have
8	comments you want to make? I don't want to
9	leave you out.
10	DR. NETON: None here.
11	CHAIRMAN POSTON: Let's move on to
L2	the next issue, which is the neutron exposure.
L3	This was issued March 3 so it's
L4	only about a month old. I don't know exactly
L5	which would be the best way to approach this.
L6	I'm at a little bit of a loss. I can't tell
L7	whether this particular document I really
L8	don't remember if this document is an SC&A
L9	document. I think it is. Or is it a NIOSE
20	document?
21	DR. NETON: John, this was a NIOSE
22	document that was generated in response to one

MEMBER SCHOFIELD: No.

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1	of	the	comments	raised	by	SC&A.
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- 2 CHAIRMAN POSTON: Okay.
- 3 DR. NETON: In fact, it was in
- 4 that paper that was just summarized. The only
- 5 outstanding issue that they identified there
- 6 was the neutron reconstruction.
- 7 CHAIRMAN POSTON: Would it be
- 8 appropriate then to have NIOSH give us a quick
- 9 summary of the paper?
- 10 DR. NETON: Yes. I think that's
- 11 appropriate.
- 12 CHAIRMAN POSTON: I have read it.
- 13 Whenever I read something I always put my
- 14 initials on it and check it so I know I read
- 15 it. But I'm sort of not functioning as well I
- 16 perhaps should be today.
- 17 Let's go on and discuss this
- 18 particular document.
- 19 MR. NELSON: Okay. This is
- 20 Charles Nelson. I can summarize the document.
- 21 Roger Halsey was also quite
- 22 involved in writing this. He can jump in as

- 2 Would you like me to give you a
- 3 detailed review or a cursory review?
- 4 CHAIRMAN POSTON: I mean, I've
- 5 certainly read it and I understood it. I'm an
- 6 old neutron dosimetrist myself.
- 7 Why don't you give us a summary?
- 8 And if Bill or Phil have questions, we'll go
- 9 to those first.
- 10 MR. NELSON: Okay. That's not a
- 11 problem.
- 12 Some of the areas SC&A was
- 13 concerned was the number of personnel
- 14 monitored, were they working in containment,
- and what types of surveys do you have for the
- 16 neutron.
- 17 That's kind of what the approach
- 18 of the White Paper was, let's gather all the
- 19 neutron information we have, let's lay it out
- 20 and show everybody what exists, and based on
- 21 that do we have a good collection of evidence
- 22 to say that neutrons were minimal or really

1	not	an	issue,	which	actually	was	our

- 2 conclusion.
- 3 As far as monitoring workers, what
- 4 we relied pretty heavily upon was interviews
- 5 with an HP technician, health physicists, and
- 6 workers. Without exception the result of
- 7 those interviews was that everybody wore
- 8 badges all the time.
- 9 The HP tech said that the folks in
- 10 the Auxiliary Building wore them and they were
- 11 exchanged monthly and quarterly. And he never
- 12 recalled anyone ever forgetting to wear their
- 13 badge. He said they used RWPs and a checklist
- 14 prior to going into the area. So they were
- 15 controlled, the workers going in there.
- 16 Also, we have the results of -- it
- 17 was actually in one of the case files. It was
- 18 an Atomics International employee. In looking
- 19 at his records, there was a summary of 31
- 20 Atomics International workers that worked in
- 21 there between the first two and a half years,
- 22 and it had their results. It showed that

1	<b>-</b> la	£ ~ 1 1- ~		
_	LHOSE	LOIKS	were	monitored.

- 2 Also the HP tech said not only
- 3 were Piqua workers monitored; Atomics
- 4 International people were monitored as well as
- 5 the AEC representative. He also went on to
- 6 say that they used NTA-type film.
- 7 As we've mentioned before in
- 8 previous Working Groups, we don't have the
- 9 actual results of the dosimetry. Those were
- 10 at Landauer and we have not been successful in
- 11 recovering those. But we do have AEC summary
- 12 reports for every year.
- We corroborated -- lifted that
- 14 data and balanced it against one of the
- 15 reports that we have. Everything matches as
- 16 far as the doses that the workers received,
- 17 less than one rem annually for all the years
- 18 except for 1966.
- 19 Okay. That covers the monitoring
- 20 of workers. That was the first part of that.
- 21 The next theme, access to
- 22 containment. I looked at some of the

	1	transcripts	from	the	first	meeting	and	there
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- 2 seemed to be maybe a little confusion about
- 3 where the containment was and all that type of
- 4 information. I'll kind of go over that.
- 5 Does everybody have in front of
- 6 them the Technical Basis, the White Paper for
- 7 the neutrons?
- 8 CHAIRMAN POSTON: I do.
- 9 MR. NELSON: It's kind of helpful
- in looking at some of the pictures.
- 11 If you look at page 4, Figure 1,
- that's a nice view of the reactor containment
- 13 dome. That would be to the right.
- 14 Then you'll see to the left of
- 15 that but in the center, that's the Auxiliary
- 16 Building. You see the mounded up dirt all the
- 17 way around.
- 18 Then to the left is the spec.
- 19 The reactor and the Auxiliary
- 20 Building together formed a single structure.
- 21 The Auxiliary Building had administrative
- 22 folks and below it had a filtration and

1 exhaust sys	stem.
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- 2 There was access between the
- 3 Auxiliary Building and the main containment.
- 4 That's considered the 100-foot level. That
- 5 was an airlock to get into that containment.
- Then if you look at the next page,
- 7 Figure 2, that kind of gives you a good
- 8 cutaway drawing to show you the people in
- 9 there at the 100-foot level. That's above the
- 10 reactor floor.
- 11 The reactor is actually below all
- of that and entombed in concrete, contained
- 13 within the lower section.
- 14 Then looking at one of the
- 15 documents we've referenced called Piqua
- 16 Nuclear Power Facility Operating Limits and
- 17 Controls was a 1965 Atomics International
- 18 document.
- 19 It stated no person shall enter
- 20 the reactor containment shelf during periods
- 21 when -- without first obtaining permission
- 22 from the shift leader. And the work would be

1	controlled	using	а	special	work	permit.

- 2 It also said in that document that
- 3 they found that radiation throughout the plant
- 4 was sufficiently low to prevent normal
- 5 operation and maintenance activities without
- 6 imposing time limits.
- 7 So people were actually in that
- 8 part of the containment periodically after
- 9 they verified all the exposure rates in those
- 10 areas. I think before there was some question
- of whether people were in containment.
- 12 Now to talk a little about the
- 13 shielding, which becomes very important. If
- 14 you look at page 6, Figure 3, it has a nice
- 15 cross-section of the reactor as well as the
- 16 shielding that's involved.
- 17 Looking at that you'll notice that
- 18 there's a big what's called a bioshield on
- 19 each side of the reactor. It's 8 feet and, I
- 20 think, 4 inches -- 6. It's ordinary concrete.
- 21 Then within the reactor vessel
- there's some other shielding, the thermal

1 shield and that type.	1	shield	and	that	type.
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- 2 Above the reactor --
- 3 MR. KATZ: I'm sorry, Chuck. I'm
- 4 sorry to interrupt.
- 5 Would everybody who is not
- 6 speaking please mute your phone? We're having
- 7 a lot of feedback or background noise. If you
- 8 don't have a mute button, hit \*6. That will
- 9 mute your phone and \*6 again will unmute your
- 10 phone.
- 11 Thank you.
- MR. NELSON: Okay. As far as the
- 13 reactor goes, if you're going upward from the
- 14 reactor there is a reactor vessel head at 8
- 15 and a half inches of steel. That's a grid
- lay-in, I guess, that would be below that at 8
- 17 inches. Above that there's 17 and a half feet
- 18 of organic coolant.
- 19 So if you look here and look at
- 20 all the shielding that's involved, there's
- 21 quite a bit of shielding to keep those
- 22 neutrons within the reactor core.

So neutrons aren't an issue unless
the reactor is running. Then we have to look
at where the exposure points are.
Rather than me going through the
entire write-up here, the bottom line is they
did many surveys outside of the shielding of
the reactor. They did them at various levels
as they ramped up power, post-critical
operational tests.
We have several statements in the
Technical Basis White Paper that support that
no neutrons were located except for one
location. There are actually some coolant
lines that come out the bioshield.
This was found in the interviews
with the HP tech. We also found it in
progress reports. Everybody talks about the
one place where there were some neutrons.
They were recorded at less than 0.5 millirem
per hour. That was also stated by the HP

In fact, he said that that's the

22

1	only	location	they	ever	found	any	neutron

- 2 unless they were doing a source check. He
- 3 said they have never had anybody assigned any
- 4 neutron dose and it was never found on their
- 5 film badge.
- 6 Those locations, like I've
- 7 mentioned, were in these pump rooms where
- 8 these coolant lines came out of this big
- 9 bioshield. There was associated gamma dose
- 10 rates with them.
- If you look on page 8, which is
- 12 Table 1-2, that was taken right out of one of
- the reports. What we're looking at is Item 11
- 14 and 12.
- What it has is, for instance, Item
- 16 11 says 13.5. That's millirem per hour.
- 17 That's the photon exposure rate -- gamma
- 18 exposure rate with an associated less than 0.5
- 19 millirem per hour neutron. Right below that
- it's 11 millirem per hour gamma and less than
- 21 0.5 millirem neutron.
- Basically, we looked at those. We

1 wanted to use those since that's really	the '
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- 2 only information we have other than all these
- 3 other things that say, "No, we didn't find any
- 4 neutrons." This is the only good survey that
- 5 we have that shows anything about neutrons at
- 6 any level.
- 7 You can look at Items 1 and 3,
- 8 where it says no neutrons. This is the only,
- 9 I guess I'd say quantified number. But it
- 10 still shows less than 0.5 millirem per hour.
- 11 Looking at those numbers, that
- results in about 3.8 percent or 4.5 percent
- 13 neutrons relative to gamma. We're assigning
- 14 10 percent or a one to ten ratio in the
- 15 Evaluation Report.
- 16 The technician used what he called
- 17 a Long John, which is a long counter. That's
- 18 a pretty good instrument for measuring
- 19 neutrons.
- 20 That's kind of a quick summary of
- 21 it. I can go into more detail if you want.
- 22 But hopefully that gives everybody an idea of

1 wha	t the	White	Paper	was	about	and	where	we	're
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- 2 coming from.
- 3 CHAIRMAN POSTON: Any questions,
- 4 Bill, Phil?
- 5 MEMBER FIELD: Jim, this is Bill.
- I just had a question about that
- 7 10 percent. Is that the customary ratio?
- 8 MR. NELSON: No. We went ahead
- 9 and did it as claimant-favorable number
- 10 because the highest -- we would have about --
- 11 4.5 percent was the highest that we found. We
- 12 believe it to be way less than that but that
- was just the claimant-favorable number that we
- 14 found.
- 15 CHAIRMAN POSTON: Bill, I know
- that you're always being admonished for using
- 17 surrogate data. But in my reactor experience,
- 18 the answer to your question is that is
- 19 typical. That's a reasonable assumption that
- 20 your data shows less but -- moderated
- 21 reactors -
- 22 Hello?

1	MEMBER SCHOFIELD: Hello?
2	MEMBER FIELD: Hello?
3	CHAIRMAN POSTON: Bill, are you
4	there?
5	MEMBER FIELD: Yes, I'm here.
6	MEMBER SCHOFIELD: Yes, I'm here.
7	CHAIRMAN POSTON: Do you have any
8	questions, Phil?
9	MEMBER SCHOFIELD: No, I don't.
10	The White Paper seemed to answer most of the
11	questions I had.
12	CHAIRMAN POSTON: Okay. John, do
13	you or anybody in SC&A have comments?
14	DR. MAURO: Yes. Aris did have a
15	chance to look at it.
16	Aris, I think you actually put
17	something out on this too.
18	MR. PAPADOPOULOS: Yes. We have
19	prepared the response, the basic conclusion of
20	which I don't know at what stage it is
21	right now in terms of being official or not.
22	But anyway, it was out of my hands going to

1	John	and	the	rest	of	the	processing.

- 2 Based on my cursory review of the
- 3 paper, we have concluded that the position is
- 4 technically defensible. And the paper's
- 5 extensive close look at the data shows that
- 6 there are no more concerns or uncertainty
- 7 issues related with neutron exposures.
- 8 We believe that the methodology
- 9 described in the Evaluation Report is bounding
- 10 and is claimant-favorable.
- 11 CHAIRMAN POSTON: Thank you very
- 12 much, Aris.
- MR. PAPADOPOULOS: Sure.
- 14 CHAIRMAN POSTON: Again, just to
- 15 get it on the record but also to refresh my
- 16 memory, the recommendation of NIOSH was that
- 17 you believed that you could reconstruct doses
- 18 for these workers. That's correct?
- 19 MR. NELSON: That's correct. This
- 20 is the operational period.
- 21 MR. PAPADOPOULOS: During the
- 22 operational --

1	CHAIRMAN	POSTON:	During	the

- 2 operational period?
- 3 MR. NELSON: Yes. This is Charles
- 4 Nelson. That's January 1963 through May 1,
- 5 1966.
- DR. NETON: There is already --
- 7 this is Jim Neton a Class in the D&D phase.
- 8 CHAIRMAN POSTON: It's January
- 9 1963 through what, again?
- 10 MR. NELSON: May 1, 1966.
- 11 CHAIRMAN POSTON: Okay.
- MR. NELSON: The proposed Class
- goes from May 2, 1966 through February 28,
- 14 1969.
- 15 CHAIRMAN POSTON: Okay. So that's
- 16 already been added?
- 17 MR. NELSON: That's already been
- 18 added.
- 19 DR. NETON: That's correct.
- 20 That's an added plus.
- 21 CHAIRMAN POSTON: But we don't
- 22 have to consider that in this?

1	MR	NELSON:	No.
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- 2 CHAIRMAN POSTON: All right.
- 3 Bill, I'll try to enunciate. Bill, do you
- 4 have any additional questions?
- 5 MEMBER FIELD: Yes. I just have a
- 6 couple maybe Jim could answer.
- 7 During this operational period
- 8 there were no reports of accidents or the
- 9 reactor operating above full power?
- 10 MR. NELSON: This is Charles
- 11 Nelson. No. I didn't see anything. I saw
- 12 that they went up to 100 percent of power but
- 13 no accidents or any exceedance of 100 percent.
- 14 I didn't see anything relative to that.
- I mean, we asked in the interviews
- 16 about accidents and there were two issues
- 17 brought up, and we found them in reports. We
- 18 talked about them actually during the initial
- 19 presentation to the Board.
- 20 MEMBER FIELD: Right.
- MR. NELSON: But that was, they
- 22 had a spill and this material went to near-

1	room	temperature.	As	soon	as	it	gets	below

- 2 300 degrees it solidifies into a wax. They
- 3 said they simply just scraped it up with a
- 4 flat shovel and it was no big deal, no
- 5 airborne, no contamination event whatsoever.
- 6 MEMBER FIELD: Right. But nothing
- 7 new since then?
- 8 MR. NELSON: No.
- 9 MEMBER FIELD: Okay. Thanks.
- 10 That's all I had.
- 11 CHAIRMAN POSTON: It seems that
- 12 it's appropriate that we have some sort of
- 13 motion. We've certainly discussed the issues.
- I think it's inappropriate for the
- 15 Chair to make a motion so I'll turn it over to
- 16 one of you guys.
- 17 MEMBER FIELD: Yes. This is Bill.
- 18 I'm more than happy to make a motion to
- 19 accept the recommendation.
- 20 CHAIRMAN POSTON: Is there a
- 21 second?
- 22 MEMBER SCHOFIELD: I'll second

- 1 that motion.
- 2 CHAIRMAN POSTON: Okay. Is there
- 3 additional discussion before we vote on this
- 4 motion? Certainly if there's any questions,
- 5 lingering questions or concerns, I want to
- 6 make sure that they're addressed while we have
- 7 everybody here.
- 8 Hearing none, I would ask Ted to
- 9 call for a swift vote.
- 10 MR. KATZ: Go ahead. There's
- 11 three of you, so one at a time.
- 12 MEMBER FIELD: This is Bill Field.
- 13 Yes.
- 14 MEMBER SCHOFIELD: This is Phil
- 15 Schofield. Yes.
- 16 CHAIRMAN POSTON: John Poston.
- 17 Yes.
- 18 MR. KATZ: And that would be
- 19 unanimous in favor of awarding the NIOSH
- 20 recommendation that dose reconstruction is
- 21 feasible for this Class.
- 22 CHAIRMAN POSTON: For January 1963

- 1 through May 1966.
- 2 Ted, I have a procedural question
- 3 for you.
- 4 MR. KATZ: Yes?
- 5 CHAIRMAN POSTON: We have a
- 6 telephone meeting coming up. Should we report
- 7 then or should we wait until the next Board
- 8 meeting which is also coming up?
- 9 MR. KATZ: Let me settle that with
- 10 Dr. Melius as to whether he wants that to
- 11 happen during a teleconference. Generally we
- 12 like to keep these to the face-to-face Board
- 13 meetings. I don't know if this is an
- 14 exception or not.
- 15 CHAIRMAN POSTON: I didn't think
- 16 it was an exception but I was just wondering
- 17 what the procedure is.
- 18 MR. KATZ: Right. I would plan on
- 19 making a presentation to the full Board. At
- 20 this time I would just plan on doing that for
- 21 the May meeting unless you hear differently.
- 22 I'll get back to you very shortly on your

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1	question.
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- 2 CHAIRMAN POSTON: Okay. That
- 3 makes me happy because you know my situation.
- 4 MR. KATZ: Yes.
- 5 CHAIRMAN POSTON: I may not be
- 6 available.
- 7 MR. KATZ: Then it's simple to
- 8 just keep it to May. I don't even need to
- 9 raise the question with Dr. Melius.
- 10 CHAIRMAN POSTON: All right. I
- 11 want to thank everybody for their hard work on
- 12 this, their professionalism, and so forth.
- 13 I'm glad that we were able to resolve these
- 14 issues and come to a unanimous agreement on
- 15 the path forward.
- 16 I appreciate SC&A, NIOSH,
- 17 everybody that's participated, and certainly
- 18 the two Work Group Members.
- 19 If there's no other questions,
- 20 comments, or statements, I think this meeting
- 21 should be adjourned.
- 22 Any other --

1	MR. KATZ: No. Thank you, John.	
2	And thank you everybody.	
3	(Whereupon, at 9:59 a.m. t	he
4	meeting was concluded.)	
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