

**U.S. Environmental Protection Agency**  
**Science Advisory Board**  
**Radiation Advisory Committee (RAC)**  
Summary Minutes of Public Conference Call Meeting<sup>1</sup>  
March 9, 2007

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**Committee:** Radiation Advisory Committee (RAC ) of the U.S. Environmental Protection Agency's (EPA's) Science Advisory Board (SAB). (See Roster - Attachment A.)

**Date and Time:** Friday, March 9, 2007 from 11:00 a.m. to 2:00 p.m. eastern standard time (See Federal Register Notice - Attachment B).

**Location:** This is a conference call with no location announced. All participants were connected via the conference lines.

**Purpose:** The purpose of this public conference call meeting is for the SAB/RAC to finalize edits to its advisory report on the Environmental Protection Agency's (EPA) Office of Radiation and Indoor Air (ORIA) draft White Paper entitled "*Modifying EPA Radiation Risk Models Based on BEIR VII*," dated August 1, 2006. During the public conference call, the RAC plans to discuss and suggest edits to their February 23, 2007 public draft advisory.<sup>2</sup> (See Meeting Agenda - Attachment C.)

**SAB/RAC Attendees:** RAC Members Dr. Jill Lipoti, RAC Chair, Dr. Bruce Boecker, Dr. Thomas B. Borak (new member), Dr. Antone L. Brooks, Dr Brian Dodd, Dr. William C. Griffith, Dr. Shirley A. Fry, Dr. Helen A. Grogan (not on line until approx. 12:45 pm. EST), Dr. Richard W. Hornung (He logged off at approx. 1:30 p.m.), Dr. Jonathan M. Links, Mr. Bruce A. Napier (new member), Dr. Daniel Stram (new member. He left at approx. 11:49 p.m.) and Dr. Richard J. Vetter were present. (See Attachment A); Dr. K. Jack Kooyoomjian (Designated Federal Officer of RAC) - SAB Staff Office, and Dr. Vanessa Vu, Director and Dr. Anthony F. Maciorowski, Deputy Director SAB Staff Office, participated.

**Agency Staff Attendees:** ORIA, Washington, DC: Dr. Mary E. Clark, Dr. Jerome Puskin and

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<sup>1</sup> NOTE: Please note that these minutes represent comments that are individual statements and opinions and are not necessarily consensus comments at this stage of the process in the review of any given topic. In all cases, the final SAB report to the EPA Administrator represents the consensus on the topic.

<sup>2</sup> See the December 21, 2005 minutes where the RAC was initially briefed by the Agency's ORIA staff on the proposed draft White Paper concepts in a face-to-face meeting of the RAC at Montgomery, AL. The RAC held its first formal review public conference call meeting to initiate the review of the Agency's draft White Paper on December 6, 2006, followed by a face-to-face review meeting on September 26-28, 2006. The November 28, 2006, December 18, 2006, and March 9, 2007 public conference calls are a follow-up to those meetings.

Dr. David Pawel.

**Public Attendees:** Dr. Julien Apostoaei and Mr. John Trabalka, SENES Oak Ridge, Mr. Lynn Howard Ehrle, Senior Research Fellow with the Cancer Prevention Coalition, Ms. Cindy Folkers of the Nuclear Information and Resource Service (NIRS), and Dr. Arjun Makhijani, President of the Institute for Energy and Environmental Research (IEER) participated.

**Meeting Summary:** The meeting followed the issues and general timing as presented in the meeting Agenda (See Meeting Agenda - Attachment C). Committee correspondence pertaining to edits and public comments can be found in Attachment K.

**Welcome and Introductions:** Dr. K. Jack Kooyoomjian, Designated Federal Officer (DFO), opened the meeting at approximately 11:02 a.m. with identification of the participants logging into the call and with opening remarks. He introduced himself as the DFO for the Radiation Advisory Committee (RAC), explained the purpose of the call, indicating that the RAC operates under the requirements of the Federal Advisory Committee Act (FACA) and is chartered to conduct business under the SAB Charter. He explained that, consistent with FACA and with EPA policy, the deliberations of the RAC are conducted in public meetings, for which advance notice is given. He explained that he is present to ensure that the requirements of FACA are met, including the requirements for open meetings, for maintaining records of deliberations of the RAC, and making available the public summaries of meetings, as well as providing opportunities for public comment.

Dr. Kooyoomjian also commented on the status of this Committee's compliance with Federal ethics and conflict-of-interest laws. The RAC follows the Committee and Panel Formation Process, as well as determinations made by the SAB staff and others pertaining to confidential financial information protected under the Privacy Act. Each committee member has complied with all these provisions; there are no conflict-of-interest or appearance issues for any of the Panelists, nor did any individual need to be granted a waiver or be recused. Dr. Kooyoomjian further noted that the Form 3110-48 Financial Disclosure and Ethics Training was completed by all RAC members and is on file at the SAB, that there is no need for disclosure, and that there is no particular matter that may pose a potential conflict of interest. He advised that the RAC members, including the three new members should briefly introduce themselves and how they relate to this topic. He also advised that the biosketches of each Panelist are posted on the SAB website (See Attachment L).

RAC Panelists "logged-in," and Dr. Lipoti welcomed the participants (Roster, Attachment A) and provided some brief opening remarks at 11:15 a.m., briefly summarizing the goals for today's conference call. She started off with polling the RAC members on how many issues they needed to discuss in today's public conference call.

**Draft Letter to the Administrator:**

Many of the Committee members liked the draft transmittal letter to the Administrator in its current form (See Attachment F-2). The Charter Board usually likes to keep the cover letter to

no more than 2 pages and the current draft is 4 pages. However, the Committee felt that it is best to be explicit where they recommend changes, as well as to be explicit where the Committee agrees with the Agency and to briefly explain why we support or do not support the Agency's logic.

The Committee discussed options on presentation of their recommendations, such as the use of a summary chart. Dr. Vu suggested that the letter could be made shorter by incorporating mainly background and rationale on the topic. The bottom line was that there was overwhelming consensus that the RAC members liked the current draft letter to the Administrator, and they recommended to forward that in its current form to the Charter Board.

#### Committee Discussion of Text Edits:

At 11:26 a.m. the Committee discussed various text edits. They discussed such items as the leukemia risk estimates in the draft White Paper (page 18) and discussed the current EPA cancer risk models on page 6 of the draft text, and cited the Land & Sinclair approach (1991). The Agency staff indicated that they had not planned to deviate from the BEIR VII recommendation in this area. They acknowledged that the risk numbers are higher than from before, but they really haven't figured out exactly why this is the case. A discussion followed on the solid cancers, leukemia and evidence of non-linearity, and whether revisions were needed to bladder, solid cancers and leukemia. A discussion followed on text edits to Appendix A in reference being aware of new paradigms in radiation biology that may result in modifications to the biophysical model. It was clarified that in Appendix A, the reference is being made to the linear non-threshold (LNT) model and not the biophysical model.

The Committee recommended that EPA continue to monitor the science. (i.e., Exec Summary, p.1 and 3<sup>rd</sup> para, lines 35-36 and (e.g., p.10 of draft advisory on Philosophy of Approach to the Charge, lines 31-32). A discussion followed on low dose effects that are different at low and high dose rates. The Committee discussed some of the relationships between biophysical and mathematical models, and recognized that the Appendix A discussion deals primarily with the biophysical model.

It was suggested in the Executive Summary to change 'cancer induction' to 'cancer risk.' It was also suggested that some indication that the underlying relationships in the mathematical model need to be driven by the underlying biophysical model. The Committee continued to discuss these nuances in the philosophy of the approach and whether a statistical/mathematical model should be consistent with a biophysical model. Dr. Fry volunteered to prepare some edits and run these by the Committee, including Drs. Links and Hornung.

It was discussed that the current draft does not say anything about in-utero external exposure and for developing estimates of risks to such exposures. The Committee agreed that this needs to be in the letter to the Administrator and appear on page 3 in the Executive Summary.

The Committee agreed with the current draft text on issues "Beyond the Charge."

ORIA Staff Comments:

At 12:13 p.m., Dr. Lipoti asked Dr. Mary Clark if the ORIA Staff had any comments. Dr. Clark indicated that the ORIA staff office has no issues to raise at this time, and will just convey typos in the draft text to Dr. Kooyoomjian, the RAC's DFO following this meeting.

Public Comments: At 12:14 p.m., Dr. Lipoti asked if there were any members of the public who wished to address the RAC. At this time, Mr. Lynn Howard Ehrle of the Cancer Prevention Coalition (CPC), Dr. Arjun Makhijani, President of the Institute for Energy and Environmental Research (IEER) and Ms. Cindy Folkers of the Nuclear Information and Resource Service (NIRS) requested time to speak to the Committee.

At 12:15 p.m. Mr. Lynn Ehrle of the Cancer Prevention Coalition (CPC), and founding Chair of the International Science Oversight Board, representing 14 member experts in the low dose radiation field commented. He re-iterated his earlier comment that the Advisory Committee is hamstrung by the narrowness of the charge to the Committee by the Agency. It is his opinion that BEIR VII has many structured errors and many omissions, including many faulty, imperfect or out-dated studies within BEIR VII itself. He recognized that the SAB/RAC has said that there must be a practical approach to standard science, but it is his contention that it is impaired by BEIR VII's deficiencies. He observed that the LNT model has been challenged by many experts in the field. It is his observation that BEIR VII didn't look at genomic instability and bystander effects, particularly when dealing with leukemia. He referred to the Radiation Effects Research Foundation (RERF) Atomic-Bomb study which did not pick up on the leukemia that occurred. He also cited Chernobyl where some health researchers were told not to pick up on leukemias that occurred.

Mr. Ehrle cited the DDREF factor for low dose and that it is his observation that BEIR VII presents no independent evidence of in-utero effect. He remarked that the literature suggests that such effects are higher. He remarked that in the absence of compelling scientific evidence to the contrary, when you extract from the Atomic-bomb survivor data, you are stuck with the LNT model. Mr. Ehrle ended his comments at 12:22 p.m..

Dr. Lipoti urged Mr. Ehrle to look at the current draft Advisory dated February 23<sup>rd</sup> which addresses many of the issues he raised, including the deficiencies in BEIR VII.

At 12:22 pm., Dr. Arjun Makhijani, President of IEER spoke. He prefaced his remarks by indicating that he would like to endorse some specific recommendations of the SAB/RAC. He takes some different views than that of the previous commenter and thinks that the SAB/RAC's advice to monitor the science as excellent advice. He commented on the Table 1 Weighting Factor and agrees that the RBE is reasonable, if you look the papers for tritium for low energy beta particles, which are strongly age-dependent. He strongly supports the statement to move away from Reference Man. He forwarded a URL Hotlink for an IEER report to Dr. Jack Kooyoomjian, the SAB/RAC DFO, this morning, and he suggested that it should be helpful to the Committee to refer to this report which is in the public domain. We (IEER) are not asking

that the Agency adopt the report, but he suggested that it could be referenced on page 26 in the RAC's current draft advisory. He also thought it might be referenced in the bottom of page 3 and at the top of page 4 in the current draft advisory. He suggested that the sentence pertaining to Reference Man on page 26 of the draft advisory could be dropped. Dr. Makhijani observed that there are differences between anthropogenic sources of radiation, and that there are small statistical differences with regard to natural background radiation producing small amounts of cancers, and this should be recognized.

Dr. Makhijani's other point of emphasis is his contention that the relation of in-utero exposure and the ICRP model for the first 8 weeks is not correct. It may be okay for high energy photons, but for low energy Alpha and Beta, it is in his view, incorrect. He stressed that a different model is needed for the first 8 weeks and that continued monitoring is needed. He suggests that the current draft advisory has an error of omission. He suggested that adding a sentence on Strontium 90 exposure of bone marrow that could affect the immune system development would be helpful. Dr. Makijani ended his comments at 12:32 pm.(POSTSCRIPT: See Dr. Makhijani's comments in Attachments H-1 through H-4, as well as correspondence in Attachment I).

At 12:32 p.m. Ms. Cindy Folkers offered commentary. She had a question and wished to make a comment regarding tritium. She wanted to comment regarding tritium leaking out of reactors (Dotson (?)study where RBE could be as high as 3). She made a case for considering an RBE in the 3 range, and she implored the Committee to protect the most vulnerable age population group as per Dr. Arjun Makhijani's comments. Also, on page 23, lines 37-38 regarding the statement "*Low dose rate exposure causes minimal life shortening even when the total doses are very large.*" She remarked that it was her view that this statement needs supporting documentation. Ms. Folkers ended her comments at 12:39 p.m..

At 12:39 p.m., Mr. Lynn Ehrle interjected one brief comment to the Committee and the Agency regarding the European Committee on Radiation Risk and the results of reflecting on the Chernobyl event 20 years after it occurred. He referred to a textbook on the subject by Dr. Chris Buzby of the United Kingdom. Dr. Makijani suggested two additional references.

There being no additional commenters requesting time, the comment period closed at 12:40 pm.

#### Continued Committee Discussion:

The Committee continued discussion of the draft advisory.

At 12:43 pm the Committee took a brief moment to discuss the time line and remaining issues in order to reach closure. The wording edits seem to be okay and under control. Additional edits are needed on the in-utero and tritium issues including the "Reference Man" item on page 26, and the Appendix A revisions of the draft advisory. A discussion followed on grouping the issues by categories. The RAC agreed with ORIA to use BEIR VII for stomach, colon, uterus, bladder, liver, prostate, ovary, lung, other solid cancers and leukemia. Items not

addressed by BEIR VII include prenatal, bone, skin, tritium and some additional uncertainties. More recent data than BEIR VII should be used such as the SEER data. Compelling evidence suggests deviation from BEIR VII for some additional uncertainty. The EPA applications that demand change include using the stationary standard population to be consistent with Federal Guidance (FG) 13 for cancer research.

The Committee observed that the Letter to the Administrator did not have anything on thyroid, and likely needs to refer to the revised Appendix A. The Committee observed that there is a long list of “other solid cancers,” and recognized that lung cancer is lumped with “other solid cancers.” The Committee recognized the need to clarify this on pg. 2 in the Letter to the Administrator on lines 3-6. The Committee recognized that they are actually rejecting the Agency’s approach in this area, and are recommending, instead, that the Agency utilize the advice contained in BEIR VII, for lung cancer.

The Committee sought clarification in the x-rays, where what is actually meant are low energy photons (because x-rays would include Gamma, as well). ...so the text should read low energy protons. The Committee recognized the need to edit pg. 23 of the report on low dose exposure on lines 37-39, which has now been flagged by the public comments. It was commented that the Committee does not have references here, and that they may need to help in providing more logic. One Committee member remarked that this is supported by the animal data. Another Committee member remarked that when he read first this statement (lines 37-39 on page 23 of the draft text), it seemed abstract, and that it may be difficult to translate the statement from the A-Bomb survivors. Two of the members (Drs. Brooks and Griffith) agreed to collaborate on this and add the appropriate references. Another Committee member commented that if we restrict the discussion to internal emitters, then with radon, it is the reverse regarding high total doses.

With radon, the low-dose rate is more harmful than the high-dose rate. Dr. Lipoti asked for a reference from Dr. Hornung for this to be inserted into the text edits. The Committee continued additional discussion on the inverse total dose rate effect for radon. While the doses are an order of magnitude higher as compared to exposure to the public, the discussion also included looking at the uranium miner data. Drs. Hornung, Griffith and Brooks agreed to provide text edits.

Dr. Lipoti remarked that this discussion stresses the utility and usefulness of comments received from the public. There was general agreement with this statement.

A discussion then followed on in-utero exposure and strontium. It was acknowledged that strontium 90 is a bone-seeker. One Committee member asked that if we have to identify specific radionuclides, then where do we stop? Dr. Lipoti asked if the Committee wants to still recommend that the Agency stick with the ICRP models. The response from the Committee is that they do not think that there is any other alternative. Dr. Lipoti suggested that may be the case for issues beyond the charge on page 26 of the current draft advisory as it pertains to vulnerable populations. The dose to the fetus represents a vulnerable population, and Dr. Makhijani’s reference may be helpful here. The Committee was charged with reading this latest

reference.

The Committee sought clarification on pg. 14 of the current draft advisory pertaining to stationary population. The Committee recalled their discussions at the September 26-28 face-to-face meeting in Washington, DC. Dr. Borak (as well as Mr. Napier and Dr. Stram) was not on the Committee at this time. The discussion with the Agency staff included the topic of lifetime risk from a cohort at birth. It might be helpful that the SAB/RAC could make a statement to have the Agency use the most appropriate risk. Dr. Lipoti thanked the commenter for this observation. Dr. Hornung volunteered to take a shot at this edit.

Regarding the public comments, the Committee remarked that they had thought that the Agency had accepted DDREF, but didn't think the SAB/RAC or the Agency staff had condoned one particular number.

Regarding the draft advisory text on page 22 dealing with uncertainties not quantified in BEIR VII, it was recognized that some earlier comments pertaining to simulation studies from Dr. Borak need to be placed into the next round of the text edits. Dr. Borak will re-send those recommended text edits. Another Committee member remarked that references regarding the cost of errors are needed on page 22, lines 18-19 (Dr. Links had earlier added this text). Dr. Links was concerned that he may not be able to find a reference for this topic pertaining to errors of under versus over-regulation. A discussion followed on this point, with several suggestions from the Committee.

#### Summary & Action Items from the March 9, 2007 Public Conference Call:

##### Letter to the Administrator:

Dr. Lipoti will make text edits to the Letter to the Administrator looking for consistency.

Dr. Lipoti and/or Dr. Kooyoomjian will add background and rationale to the letter.

The basic format and length will be retained and submitted to the SAB's Charter Board for the Quality Review exercise. A cover note transmitting the revised draft may need to be prepared by Dr. Lipoti or Dr. Kooyoomjian explaining why the Committee chose this preferred format for the Letter to the Administrator.

The Committee observed that the Letter to the Administrator did not have anything on thyroid, and likely needs to refer to the revised Appendix A.

The Committee observed that there is a long list of "other solid cancers," and recognized that lung cancer is lumped with "other solid cancers." The Committee recognized the need to clarify this on pg. 2 in the Letter to the Administrator on lines 3-6.

##### Executive Summary:

p. 1 Dr. Lipoti has asked for edits to the Executive Summary, pg. 1, lines 35-36 (Drs Fry, Brooks, Hornung and Links et al), as well as lines 41-42;

p. 3 Lines 14-17, (Shirley Fry will provide edits re in-utero external exposure (and to appear in letter to the Administrator);

p. 3 Lines 36-37 re significant biological responses (Dr. Fry);

Text:

p. 10 Philosophy of approach to charge, lines 31-32 (Dr. Fry's edits);

p. 14 Top of page re stationary population. The Committee sought clarification on pg. 14 of the current draft advisory pertaining to stationary population. Dr. Hornung will provide edits;

p. 22, lines 18-20; Links will edit with a sentence explaining what it means;

p. 22 Regarding the draft advisory text on page 22 dealing with uncertainties not quantified in BEIR VII, it was recognized that some earlier comments pertaining to simulation studies from Dr. Borak need to be placed into the next round of the text edits. Lines 32-40. Dr. Borak will provide edits;

p. 22 Lines 18-19. References regarding the cost of errors are needed on page 22, lines 18-19 (Dr. Links had earlier added this text).

p. 23 Lines 4-13. Needs edits in paragraph on additional uncertainty;

p. 23 Dr. Links will re-write pg. 23, lines 28-33;

p. 23 Dr. Dodd suggested that there is a need to look at p.23, lines 38-40. Dr. Griffith remarked that the previous paragraph does talk about future estimates. Dr. Lipoti suggested the term "risk estimates," instead of "uncertainties."

p. 23, Lines 35-40. Dr. Griffith will add references pertaining to internal photon emitters, and radon as an example;

p. 23 Lines 37-39. Drs. Brooks and Griffith agreed to collaborate on this and add the appropriate references. Dr. Hornung will provide a reference to be inserted into the text edits;

p. 23 Dr. Lipoti suggested edits to pg. 23-24 lines 46-47.; Dr. Griffith will re-write the bottom of pg. 23, last paragraph (lines 42-46, and p. 24, lines 1 & 2). He will change "estimates" to "risk coefficient" as well as other edits;

p. 26 Reference man & vulnerable populations: Dr. Lipoti suggested that may be the case for issues beyond the charge on page 26 of the current draft advisory as it pertains to vulnerable populations. The dose to the fetus represents a vulnerable population, and Dr. Makhijani's reference may be helpful here. The Committee

was charged with reading this latest reference.

Appendix A: Dr. Brooks will take lead on these edits, and the entire Committee will offer suggestions.

Agency Comments: Dr. Clark of ORIA will provide edits (typos) to Dr. Kooyoomjian. (POSTSCRIPT: See Attachment H-5).

There being no additional business to be discussed, Dr. Lipoti thanked all the participants and adjourned the meeting at 1:57 pm on Friday, March 9, 2007.

Respectfully Submitted:

Certified as True:

\_\_\_\_\_/S/\_\_\_\_\_  
K. Jack Kooyoomjian, Ph.D.  
Designated Federal Official  
Radiation Advisory Committee (RAC)

\_\_\_\_\_/S/\_\_\_\_\_  
Dr. Jill Lipoti, Chair  
Radiation Advisory Committee (RAC)

## List of Attachments

<u>Attachment</u>	<u>Description</u>
A	Radiation Advisory Committee (RAC) Roster
B	<u>Federal Register</u> Notice: February 26, 2007, Vol. 72, No. 37, pages 8379-8380
C	Meeting Agenda for March 9, 2007
D	Agency Request for Advisory from Elizabeth A. Cotsworth, Director, Office of Radiation and Indoor Air (ORIA) to Vanessa Vu, Director, SAB Staff Office, dated August 31, 2006 and entitled “ <i>Advisory Review of the Draft White Paper: Modifying EPA Radiation Risk Models Based on BEIR VII.</i> ”
E	Proposed Project Sheet 06-16
F	E-mail Review Package Dated February 26, 2007 Containing the Following:
F-1	Memo from K. Jack Kooyoomjian, Ph.D., DFO RAC to RAC Members entitled “ <i>Feb 23, 2007 PDF Draft of RAC’s Advisory on the Agency’s Draft White Paper,</i> ” containing the following:
F-2	February 23, 2007 Draft Advisory (File Address: WhitePaperPublicWkgDftAdv022307.pdf)
G	E-mail Review Package Dated March 1, 2007 Containing the Following: 2006
G-1	Memo from K. Jack Kooyoomjian, Ph.D., DFO RAC to RAC Members entitled “ <i>Agenda, Dial-In and Pass Code Numbers for March 9<sup>th</sup> Public Conference Call,</i> ” containing the following:
G-2	Agenda Containing the Toll-Free and Dial-In Numbers for the RAC Members: (File Address: RACWhite PaperRAC Agenda030907.rtf)
G-3	Public Agenda which is on SAB Web site: (File Address: RACWhite PaperPubAgenda030907.pdf)
G-4	Memo from K. Jack Kooyoomjian, Ph.D., DFO RAC to RAC Members entitled “ <i>Feb 26, 2007 Federal Register Notice,</i> ” containing the following:
G-5	Federal Register Notice, February 26, 2007, Vol. 77, No. 37, pp. 8379-8380.
H	PUBLIC COMMENTS:
H-1	Cover memo from Dr. Arjun Makhijani to Dr. Jack Kooyoomjian dated March 9, 2007, and entitled “ <i>Report for the RAC Record,</i> ” and March 12, 2007 response from Dr. Kooyoomjian to Dr. Makhijani of the same title., and containing the following:

<u>Attachment</u>	<u>Description</u>
H-2	<p><i>“Science for the Vulnerable. Setting Radiation and Multiple Exposure Environmental Health Standards to Protect Those Most at Risk,”</i> by Drs. Arjun Makhijani, Brice Smith and Michael C. Thorne., Institute for Energy and Environmental Research (IEER), October 19, 2006</p> <p><b>NOTE:</b> Written public comments were provided to the SAB’s RAC immediately following this March 9, 2007 public conference call meeting.</p>
H-3	March 9, 2007, Email memo entitled “Subject: <i>Also pp. 3-4,</i> ” from Dr, Arjun Makhijani to Dr. Jack Kooyoomjian , SAB/RAC DFO
H-4	March 12, 2007 Cover memo from Dr. Arjun Makhijani to Dr. Jack Kooyoomjian, DFO, SAB/RAC containing 12 March 2007 memo entitled “Subject: <i>Editorial suggestions for the RAC working draft dated 23 February on EPA’s BEIR VII White paper.</i> ”
H-5	April 2, 2007 E-mail from Dr. Mary E. Clark to Dr. Jack Kooyoomjian, SAB/RAC DFO containing editorial suggestions to February 23, 2007 public draft.
I	PUBLIC CORRESPONDENCE PERTAINING TO MARCH 9, 2007 SAB/RAC PUBLIC CONFERENCE CALL MEETING (Pre & Post Meeting Correspondence)
J	COMMITTEE CORRESPONDENCE PERTAINING TO MARCH 9, 2007 SAB/RAC PUBLIC CONFERENCE CALL MEETING (Pre & Post Meeting Correspondence)
K	MISCELLANEOUS AND ADMINISTRATIVE CORRESPONDENCE PERTAINING TO MARCH 9, 2007 SAB/RAC PUBLIC CONFERENCE CALL MEETING (Pre & Post Meeting Correspondence)
L	Biosketches of Radiation Advisory Committee
M	DFO’s Marked-Up Agenda of 03/09/2007 SAB/RAC Public Conference Call Meeting (K. Jack Kooyoomjian)
N	DFO’s Partial Mark-Up of March 9, 2007 PDF Draft Advisory
O	DFO’s Notes of 03/09/2007 SAB/RAC Public Conference Call Meeting

(NOTE: This FACA File is a Work-in Progress. Minutes are signed documenting the discussions of the March 9, 2007 public meeting. Further correspondence and edits received from the Committee and the Chair in preparation of the Quality Review Draft will be added to this file when they are produced. - - - KJK).

**End of Record**