

**U.S. Environmental Protection Agency
Science Advisory Board
Chemical Assessment Advisory Committee Augmented for the Review of the Draft IRIS
Hexahydro-1,3,5-trinitro-1,3,5-triazine Assessment (CAAC- RDX Panel)
Public Teleconference
November 17, 2016**

Minutes of the Meeting

Purpose: To receive a briefing on the EPA's *Toxicological Review of Hexahydro-1,3,5-trinitro-1,3,5-triazine (External Review Draft – September 2016)* and to discuss EPA's charge questions.

Meeting Participants:

CAAC- RDX Panel Members (For full panel, see Roster):

Dr. Kenneth Ramos, CHAIR

Dr. Hugh Barton

Dr. Maarten Bosland

Dr. Mary Boudreau

Dr. James Bruckner

Dr. George Cobb

Dr. David Eastmond

Dr. Joanne English

Dr. Alan Hoberman

Dr. Jacqueline Hughes-Oliver

Dr. Susan Laffan

Dr. Lawrence Lash

Dr. Melanie Marty

Dr. Marvin Meistrich

Dr. Victoria Persky

Dr. Isaac Pessah

Dr. Kenneth Portier

Dr. Samba Reddy

Dr. Thomas Rosol

Dr. Alan Stern

Dr. Robert Turesky

Other Attendees: see Attachment A.

Meeting Materials and Meeting Webpage:

The materials listed below may be found on the meeting webpage at:

<https://yosemite.epa.gov/sab/sabproduct.nsf/MeetingCal/838B10EDD7D7ADB18525803B006DF1CE?OpenDocument>

- Agenda
- Federal Register Notice
- Agency-provided Background Material
 - Draft charge to the SAB for the IRIS RDX Review (September 2016)
- Agency Briefing Material
 - Overview of the Draft IRIS Assessment of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
- List of Public Speakers
- Public comments submitted to the SAB Staff Office
 - Public statement by Dr. Nancy Beck, American Chemistry Council

Meeting Summary:

The discussion followed the general plan as presented in the meeting agenda.

Opening Remarks

Dr. Wong convened the meeting and called the roll. All CAAC-RDX panel members were present except Drs. Lasley, Morris, and Roberts. Dr. Wong explained that the SAB CAAC-RDX panel operates under the authority of the Federal Committee Advisory Act (FACA). The SAB consists entirely of special government employees appointed by the EPA Administrator to their positions. As government employees, all the members are subject to all applicable ethics laws and implementing regulations. She stated that for this SAB advisory activity, no conflict of interest or loss of impartiality issues were identified for any panel member. Dr. Wong also stated that the meeting was announced in advance in the Federal Register and there were opportunities for the public to provide public comments.

Dr. Wong then turned the meeting over to Dr. Ramos, Chair of the CAAC- RDX Review Panel. Dr. Ramos reviewed the agenda and then invited the EPA representatives to begin their presentations.

EPA Presentations

Dr. Vincent Cogliano, Director of EPA's IRIS Program, provided some opening remarks. He explained the process for developing the draft RDX IRIS assessment. He said that a previous version of the draft RDX IRIS assessment was released for public comment. Public comments were also solicited during a public meeting from experts invited by the NAS and other attendees. EPA then revised the public comment draft to prepare for the external peer review by the SAB. A summary of the public comments and EPA's disposition is included in Appendix E of the Supplemental Information document that accompanies the current draft of the RDX IRIS assessment under review.

Dr. Lou D'Amico, EPA's RDX assessment manager, gave an overview of the Draft IRIS Toxicological Review of RDX. His presentation can be found posted on the meeting webpage shown above.

The panel asked why there was no charge question for the panel to comment on EPA's responses to the scientific issues raised by public commenters on the draft RDX assessment. However, there was a charge question on EPA's responses to the public comments (Appendix G) for previous draft assessments of other chemicals. Dr. Cogliano responded that the CAAC-Benzo[a]pyrene panel did not like a blanket charge question on Appendix G. Major science issues pointed out by public commenters were suggested to be included in the relevant charge questions (or subparts of the charge question).

Public Comments

Dr. Ramos thanked the EPA presenters and asked members of the public who had registered to provide comments to the panel to begin their presentations. Only one individual had registered to present oral comments at the meeting (see List of Public Speakers on meeting webpage).

Dr. Nancy Beck of the American Chemistry Council commented on the charge questions. She presented the following 3 main points: (1) A charge question should be added to allow the panel to provide comments on the utility of the revised Preamble. (2) An additional question should be added to charge question 3e(ii) on the appropriate uses of the quantified value from cancer dose-response modeling. (3) A charge question should be added requesting that the panel provide responses to stakeholder comments in an appendix of the report they provide to EPA. Dr. Beck's comments can be found on the meeting webpage (Public statement by Dr. Nancy Beck, American Chemistry Council).

Panel Discussion of Charge Questions

Dr. Ramos thanked the public commenter and turned to the next agenda item, the discussion of the charge questions. The panel discussed the charge, and offered edits that were intended to clarify the questions. Modifications to the charge questions agreed to by the panel were noted in bold font in the final charge questions that can be accessed on the meeting webpage.

Brief Clarifying Comments

Dr. Nancy Beck of the American Chemistry Council commented that the panel had not discussed her comments about the charge questions.

The panel discussed the suggestion to add the three charge questions. They agreed a charge question on the preamble would be a distraction from the review of the draft assessment, and that the use of the cancer slope factor is a risk management decision, which is outside the scope of this review. The DFO of the chartered SAB explained that asking SAB members to formally respond to public comments in an SAB report should be decided by the chartered SAB, and not the panel. The panel did not concur with the changes suggested by Dr. Beck.

Dr. Ramos turned the meeting over to the DFO. Dr. Wong reviewed the next steps for the panel. She noted that the revised charge questions will be posted on SAB webpage associated with this advisory activity in one week. She also noted that a public meeting was scheduled for the panel to deliberate and discuss responses to the charge questions on December 11-13, 2016 in Washington, D.C. Dr. Wong thanked all the participants and adjourned the meeting at 5:00 pm.

On Behalf of the Committee,
Respectfully Submitted,

/s/
Diana Wong, Ph.D.
Designated Federal Officer

Certified as Accurate:

/s/
Kenneth S. Ramos, MD, Ph.D.
Chair, SAB CAAC-RDX Review Panel

NOTE AND DISCLAIMER: The minutes of this public meeting reflect diverse ideas and suggestions offered by committee members during the course of deliberations within the meeting. Such ideas, suggestions, and deliberations do not necessarily reflect definitive consensus advice from the panel members. The reader is cautioned to not rely on the minutes represent final, approved, consensus advice and recommendations offered to the Agency. Such advice and recommendations may be found in the final advisories, commentaries, letters, or reports prepared and transmitted to the EPA Administrator following the public meetings.

Attachment A. Other Attendees

List of persons who identified themselves on the teleconference or who had requested call-in-information for the meeting.

Name	Affiliation
Vince Cogliano	EPA
Samantha Jones	EPA
Gina Perovich	EPA
Sue Rieth	EPA
Malcolm Garg	US Army
Pat Rizzuto	BNA
Kuo-Chuan Karen Chou	Michigan State University
David Bussard	EPA
Anita Meyer	Army Corps of Engineers
Vicki Soto	EPA
Dahnish Shams	EPA
Todd Blessinger	EPA
Sue Shallal	SAB
Thomas Carpenter	SAB
Maria Hegstad	Risk Policy Report
James Kim	OMB
Lou D'Amico	EPA
Desmond Bannon	US Army
Resha Putzrath	Navy and Marine Corps Public Health Center
Nancy Beck	American Chemistry Council