

**Summary Minutes of the
U.S. Environmental Protection Agency
Science Advisory Board
Chemical Assessment Advisory Committee Augmented for the Review of the Draft IRIS
Ammonia Assessment (CAAC-Ammonia Panel)
Public Teleconference
December 17, 2014**

CAAC-Ammonia Panel Members:

Dr. Michael Dourson, CHAIR
Dr. Daniel Acosta
Dr. Henry Anderson
Dr. Scott Bartell
Dr. Arthur Cooper
Dr. David Eastmond
Dr. William Michael Foster
Dr. Russ Hauser
Dr. Abby A. Li
Dr. Jacob McDonald
Dr. Maria Morandi
Dr. Victoria Persky
Dr. Kenneth Ramos
Dr. Alan Stern
Dr. I. David Weiner

Location: via telephone only

Purpose: To review and discuss the panel's November 14, 2014 draft report of the EPA's IRIS Toxicological Review of Ammonia (August 2013 External Review Draft, EPA/635/R-13/139a) and EPA's progress in addressing the NRC recommendations to improve the development of IRIS assessments.

Attendees: see Appendix A

Meeting Materials and Meeting Webpage:

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

<http://yosemite.epa.gov/sab/sabproduct.nsf/MeetingCal/5AC4AB630077A1B385257D860078EA72?OpenDocument>

- Agenda
- Federal Register Notice
- Agency Charge
- Draft Report
 - Science Advisory Board Review of the IRIS Draft Toxicological Review of Ammonia (11/14/14 draft)
- Agency Comment
 - Comments Presented by Dr. Vince Cogliano of the EPA's IRIS Program.

- Public comment submitted to the SAB Staff Office
 - E-mail submission from Nina Wilson of Gowan Corp.
 - Public comments submitted by Nancy Beck on behalf of the American Chemistry Council.
 - Public comments submitted by Wade Foster on behalf of The Fertilizer Institute.

Meeting Summary:

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

Opening Remarks:

Dr Shallal, DFO of the CAAC-Ammonia panel, convened the meeting and called the roll. All panel members were present except Dr. McDonald. Dr. Shallal welcomed panel members and members of the public to the third meeting of the SAB CAAC- Ammonia Panel. The first was a teleconference held on June 2, 2014. The second was the face-to-face meeting in July of 2014. She explained that the SAB CAAC-Ammonia Panel operates under the auspices of the Federal Advisory Committee Act (FACA). The SAB is empowered by law, the Environmental Research, Development, and Demonstration Authorization Act (ERDDAA), to provide advice to the EPA Administrator on scientific and technical issues that support the EPA's decisions. The DFO noted that the Federal Register notice announcing the meeting had provided the public with an opportunity to provide written and oral comment. The DFO stated that the SAB consists entirely of special government employees (SGEs) appointed by EPA to their positions. As SGEs, chartered SAB members are subject to all applicable ethics laws and implementing regulations. EPA has determined that advisors participating in this meeting have no financial conflicts of interest or appearance of a loss of impartiality under ethic regulations specified in 5 CFR 2635 relating to the topic of this meeting.

Dr. Dourson disclosed that he had applied for the position of Director of the EPA IRIS Program. He then reviewed the agenda and asked Dr. Cogliano to present his comments (see presentation on meeting webpage).

Dr. Cogliano thanked the panel for their service on the panel and their draft report. He commented that the recommendations will be helpful to EPA as they revise their current ammonia assessment. He asked the panel to clarify some of the recommendations and to specify if they intended some of the recommendations for future assessments in general or the ammonia assessment in particular. He also noted that there was an extended discussion on hyperammonemia and endogenous production of ammonia and asked the panel if there are specific recommendations associated with these sections of the report.

Dr. Dourson then called on the registered public commenters to present their comments (see Appendix B). Dr. Nancy Beck and Mr. Wade Foster addressed the panel. Their presentations are available on the meeting webpage.

Panel Deliberations:

Dr. Dourson then asked panel members if they would prefer to go through the report systematically or if he should ask each panel member to present their comments on the report as

APPENDIX A

List of individuals who requested the teleconference access information- December 17, 2014

<u>Name</u>	<u>Affiliation</u>
Wade Foster	TFI
Nancy Beck	ACC
Arthur A. Ransome	CH-IV
Ernie Megginson	Magnolia LNG
Wanda Deal	USAF
Vince Cogliano	EPA
Samantha Jones	EPA
David Reynolds	Inside EPA
Christine Ross	EPA
Sue Rieth	EPA
Haylie Choi	RegNet Environmental Services
Robert Fensterheim	RegNet Environmental Services
Audrey Galizia	EPA
Ravi Subramaniam	EPA
Jennifer Jinot	EPA
Suri Vulimiri	EPA
Channa Keshava	EPA
Lynn Flowers	EPA
Norman Birchfield	EPA
Kathleen Newhouse	EPA
Todd Blessinger	EPA
Andre Weaver	EPA
Joe DeSantis	EPA
Amanda Persad	EPA
Ted Berner	EPA
Dahnish Shams	EPA
(student services contractor)	

APPENDIX B

**U.S. Environmental Protection Agency
Science Advisory Board
Chemical Assessment Advisory Committee (CAAC)
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List of Registered Speakers

- 1- Dr. Nancy Beck, American Chemistry Council
- 2- Mr. Wade Foster, The Fertilizer Institute