

**AGENDA**  
**U.S. Environmental Protection Agency**  
**Clean Air Scientific Advisory Committee (CASAC)**  
**Sulfur Oxides Panel**  
**Public Meeting**  
**Residence Inn Arlington Capital View,**  
**2850 South Potomac Avenue, Arlington, Virginia**  
**September 18-19, 2017**

**Purpose:** The CASAC Sulfur Oxides Panel will peer review EPA’s *Risk and Exposure Assessment for the Review of the Primary National Ambient Air Quality Standard for Sulfur Oxides (External Review Draft - August 2017)* and *Policy Assessment for the Review of the Primary National Ambient Air Quality Standard for Sulfur Oxides (External Review Draft - August 2017)*.

**Monday, September 18, 2017**

9:00 a.m.	Convene Meeting	Mr. Aaron Yeow Designated Federal Officer SAB Staff Office
	Welcome	Mr. Christopher Zarba Director SAB Staff Office
9:10 a.m.	Review of Agenda	Dr. Ana Diez Roux Chair
9:15 a.m.	EPA Presentation on Risk and Exposure Assessment (REA)	Dr. Erika Sasser Ms. Karen Wesson Dr. Stephen Graham EPA Office of Air Quality Planning and Standards
9:45 a.m.	Public Comments on REA	See List of Public Speakers
10:15 a.m.	Break	
10:30 a.m.	Discussion of REA Charge Questions	Chair and Panel
	Discussion of Response to REA Charge Questions	Lead Discussants:
	<ul style="list-style-type: none"> <li>• Chapter 1 – Introduction and Background; Chapter 2 – Conceptual Model and Overview of Assessment Approach</li> </ul>	<u>Drs. Jack Harkema</u> , Donna Kenski
	<ul style="list-style-type: none"> <li>• Chapter 3 - Ambient Air Concentrations</li> </ul>	<u>Drs. Judith Chow</u> , James Boylan, Delbert Eatough, Steven Hanna
12:00 p.m.	Lunch	
1:15 p.m.	Discussion of Response to REA Charge Questions (cont’d.)	Lead Discussants:
	<ul style="list-style-type: none"> <li>• Chapter 4 – Population Exposure and Risk</li> </ul>	<u>Drs. Alison Cullen</u> , Chris Frey, William Griffith

	<ul style="list-style-type: none"> <li>• Chapter 5 - Exposure and Risk Estimates</li> </ul>	<u>Drs. Farla Kaufman</u> , James Ultman, Aaron Cohen*
3:00 p.m.	Break	
3:15 p.m.	Discussion of Response to REA Charge Questions (cont'd.) <ul style="list-style-type: none"> <li>• Chapter 5 - Exposure and Risk Estimates (cont'd.)</li> </ul>	Lead Discussants: <u>Drs. Farla Kaufman</u> , James Ultman, Aaron Cohen*
	<ul style="list-style-type: none"> <li>• Chapter 6 – Characterization of Uncertainties and Representativeness of Variability</li> </ul>	<u>Drs. Lianne Sheppard</u> , Ron Wyzga
4:45 p.m.	Clarifying Public Comments on REA	TBD
5:00 p.m.	Recess	Mr. Yeow

**Tuesday, September 19, 2017**

8:30 a.m.	Convene Meeting	Mr. Yeow
8:35 a.m.	EPA Presentation on Policy Assessment (PA)	Ms. Karen Wesson Dr. Nicole Hagan Dr. Deirdre Murphy EPA Office of Air Quality and Planning Standards
9:05 a.m.	Public Comments on PA	See List of Public Speakers
9:30 a.m.	Discussion of PA Charge Questions  Discussion of Response to PA Charge Questions <ul style="list-style-type: none"> <li>• Chapter 1 – Introduction and Background</li> </ul>	Chair and Panel  Lead Discussants: <u>Drs. Jack Harkema</u> , Donna Kenski
	<ul style="list-style-type: none"> <li>• Chapter 2 – Current Air Quality</li> </ul>	<u>Drs. Donna Kenski</u> , Judith Chow, Daniel Jacob*
10:30 a.m.	Break	
10:45 a.m.	Discussion of Response to PA Charge Questions (cont'd.) <ul style="list-style-type: none"> <li>• Chapter 3 – Review of the Primary Standard             <ul style="list-style-type: none"> <li>○ Charge Question 3 – Policy-Relevant Questions</li> <li>○ Charge Question 4 – Health Effects Evidence</li> </ul> </li> </ul>	Lead Discussants: <u>Drs. Jack Harkema</u> , Donna Kenski  <u>Drs. Farla Kaufman</u> , James Ultman, Aaron Cohen*, Frank Speizer*
12:00 p.m.	Lunch	

\*participating via teleconference

1:30 p.m.	<p>Discussion of Response to PA Charge Questions (cont'd.)</p> <ul style="list-style-type: none"> <li>○ Charge Question 5 - Quantitative Analysis of Exposure and Risk</li> <li>○ Charge Question 6 - Integrated Health Evidence and Risk and Exposure Information</li> </ul>	<p>Lead Discussants:  <u>Drs. Alison Cullen</u>, Lianne Sheppard, Chris Frey*   <u>Drs. James Ultman</u>, Farla Kaufman, Alison Cullen</p>
3:15 p.m.	Break	
3:30 p.m.	<p>Discussion of Response to PA Charge Questions (cont'd.)</p> <ul style="list-style-type: none"> <li>○ Charge Question 7 - Adequacy of Current Standard</li> <li>○ Charge Question 8 - Key Uncertainties and Areas for Additional Research and Data Collection</li> </ul>	<p>Lead Discussants:  <u>Drs. Lianne Sheppard</u>, Judith Chow, Ron Wyzga, Chris Frey*   <u>Drs. Ron Wyzga</u>, Judith Chow, Alison Cullen</p>
4:15 p.m.	Clarifying Public Comments on PA	TBD
4:45 p.m.	Summary and Action Items	Dr. Diez Roux
5:00 p.m.	Adjourn	Mr. Yeow

\*participating via teleconference