

**AGENDA**  
**U.S. Environmental Protection Agency**  
**Science Advisory Board Hydraulic Fracturing Research Advisory Panel**  
**Public Teleconferences**  
**February 1-2, 2016**  
**11:00 a.m. – 6:00 p.m., Eastern Time**

**As of December 29, 2015**

**Purpose:** To review and discuss the Science Advisory Board Panel’s draft report regarding SAB’s review of the EPA’s draft *Assessment of the Potential Impacts of Hydraulic Fracturing for Oil and Gas on Drinking Water Resources (External Review Draft – June 2015)*.

**February 1, 2016**

11:00 a.m.	<b>Convene Meeting</b>	<b>Mr. Edward Hanlon</b> <i>Designated Federal Officer</i>
11:05 a.m.	<b>Welcome and Review of Agenda</b>	<b>Dr. David A. Dzombak</b> <i>Chair, Hydraulic Fracturing Research Advisory Panel</i>
11:15 a.m.	<b>Summary of Written Public Comments</b>	<b>Dr. Elizabeth W. Boyer</b> <b>Dr. Susan L. Brantley</b> <b>Mr. Walter R. Hufford</b>
11:35 a.m.	<b>Public Comments</b>	<b>Registered Speakers</b> (See List of Public Speakers)
1:00 p.m.	<b>Break</b>	
1:15 p.m.	<b>Public Comments (continued)</b>	<b>Registered Speakers</b>
2:50 p.m.	<b>Discussion on the Panel’s Draft Report</b>  <b>Chapters 1, 2 and 3:</b> Goals, Background and History of the Assessment (Charge Question 1)  <b>Chapter 4:</b> Water Acquisition Step in the Hydraulic Fracturing Water Cycle (Charge Question 2)	<b>Dr. David A. Dzombak and Panel Members</b>

**Discussion on the Panel's Draft Report  
(continued)**

**Dr. David A. Dzombak and  
Panel Members**

**Chapter 5:** Chemical Mixing Step in the  
Hydraulic Fracturing Water Cycle (Charge  
Question 3)

**Chapter 6:** Well Injection Step in the Hydraulic  
Fracturing Water Cycle (Charge Question 4)

**Chapter 7:** Flowback and Produced Water Step  
in the Hydraulic Fracturing Water Cycle (Charge  
Question 5)

**Chapter 8:** Wastewater Treatment and Waste  
Disposal Step in the Hydraulic Fracturing Water  
Cycle (Charge Question 6)

**Chapter 9:** Chemicals Used or Present in  
Hydraulic Fracturing Fluids (Charge Question 7)

**Chapter 10:** Synthesis of Science on Potential  
Impacts of Hydraulic Fracturing on Drinking  
Water Resources, and Executive Summary  
(Charge Question 8)

**Cover Letter to the Administrator**

3:30 p.m.

**Break**

3:45 p.m.

**Discussion on the Panel's Draft Report  
(continued)**

**Dr. David A. Dzombak and  
Panel Members**

5:45 p.m.

**Next Steps**

**Dr. Dzombak**

5:55 p.m.

**Summary**

**Dr. Dzombak**

6:00 p.m.

**Adjourn**

**Mr. Hanlon**

**February 2, 2016 (if needed)**

11:00 a.m.	<b>Convene Meeting</b>	<b>Mr. Edward Hanlon</b> <i>Designated Federal Officer</i>
11:05 a.m.	<b>Discussion on the Panel's Draft Report (continued)</b>	<b>Dr. David A. Dzombak and Panel Members</b>
5:45 p.m.	<b>Next Steps</b>	<b>Dr. Dzombak</b>
5:55 p.m.	<b>Summary</b>	<b>Dr. Dzombak</b>
6:00 p.m.	<b>Adjourn</b>	<b>Mr. Hanlon</b>