

# ***Independent Workshop on Ozone NAAQS Science and Policy***

**Sponsored by the Texas Commission on Environmental Quality (TCEQ)**

**Tuesday, April 7, 2015 – Thursday, April 9, 2015**

**Session 1 – Plenary:** Welcome: Michael Honeycutt, Director, Toxicology Division, TCEQ and Bryan Shaw, Chairman, TCEQ

Presentations:

- Seyed Sadredin, Executive Director, San Joaquin Valley Air Pollution Control District  
***“Why States Care: Implementation & Impacts of a NAAQS”***  
<https://www.youtube.com/watch?v=J7O4XtpAlt4>
- Henry V. Nickel, Special Counsel, Hunton & Williams LLP  
***“Clean Air Act and Case Law on How a NAAQS Must Be Set”***  
[https://www.youtube.com/watch?v=2\\_extvyxgtU](https://www.youtube.com/watch?v=2_extvyxgtU)
- Roger O. McClellan, Advisor, Toxicology and Human Health Risk Analysis  
***“Interface Between Science and Policy in a NAAQS Review”***  
<https://youtu.be/63bx7hqBfwM>
- Tim Verslycke, Principal, Gradient  
***“Ozone NAAQS Secondary Standard”***  
<https://youtu.be/63bx7hqBfwM>

## **Session 2 - Integration of Scientific Evidence to Inform the Understanding of Ozone Effects on Human Health.**

Introduction to Session 2: Michael Honeycutt, Director, Toxicology Division, TCEQ, Michael L. Dourson, Toxicology Excellence for Risk Assessment (TERA), Session Facilitator

*Outside Experts:*

- Robert Phalen, University of California,
- Irvine; Barry Ryan, Emory University;
- George Maldonado, University of Minnesota;
- Mark Utell, University of Rochester

*Presenters:*

- Julie Goodman, Gradient
  - Sabine Lange, TCEQ
  - Sonja Sax, Gradient
- **Ozone Mode of Action and Controlled Exposure Studies Sessions**  
Presentations, Sabine Lange, TCEQ  
Panel Discussion

Part 1. <https://youtu.be/tdSuHtfT98Y>

Part 2. <https://youtu.be/oSGSqeEZ2IQ>

Part 3. <https://youtu.be/Z5wJMOhTMhg>

- **Welcome, Day 2 and Epidemiology Studies**

Toby Baker, Commissioner, TCEQ  
Presentation, Julie Goodman, Gradient  
Panel Discussion

<https://youtu.be/IOWJuD5vo4E>

- **Quantifying and Integrating the Evidence**

Presentation. Julie Goodman, Gradient  
Panel Discussion

<https://youtu.be/knxpnm7LifM>

### **Lunch Presentation**

- Sonja Sax, Gradient

**“Strengths and Limitations of EPA’s Ozone Risk Assessment”**

<https://youtu.be/Vw1mwzi0lpk>

**Session 3 - Socioeconomic Risks and Other Potentially Policy-Relevant Considerations.** Introduction:  
Michael Honeycutt, Director, Toxicology Division, TCEQ

- Daniel L. Millimet, Professor, Department of Economics, Southern Methodist University  
**“Historical Evidence of Economic Impacts of Environmental Regulation”**  
<https://youtu.be/U8H6KbZKvFo>
- Scott J. Bloomberg, Vice President, NERA Economic Consulting  
**“Challenges for Estimating Costs of a Tighter Ozone NAAQS”**  
<https://youtu.be/enzy6l0kPLO>
- Anne E. Smith, Senior Vice President, NERA Economic Consulting  
**“Assessing the Potential Economic and Distributional Impacts of a Tighter Ozone NAAQS”**  
<https://youtu.be/EIQjaRIIBjw>
- John F. Morrall III, Affiliated Senior Scholar, The Mercatus Center at George Mason University  
**“Health Effects of Regulatory Compliance Costs”**  
<https://youtu.be/mStTNlfig-E>

### **Session 4 - Thursday, April 9, 2015 Integrating Science Considerations into Policy Judgments.**

Introduction: Michael Honeycutt, Director, Toxicology Division, TCEQ and Chris G. Whipple, ENVIRON  
International Corporation (retired), Session Facilitator:

- **Integrating Experts’ Individual Presentations**

- Donald R. Arbuckle, Clinical Professor of Public Administration, University of Texas at Dallas
- Charles H. Knauss, Partner and Co-Head of Environment and Workplace Safety Practice, Katten Muchin Rosenman LLP

- Thomas A. Lorenzen, Partner, Dorsey & Whitney LLP
- Paul R. Portney, President Emeritus of Resources for the Future; Dean Emeritus, Eller College of Management, University of Arizona  
<https://youtu.be/0QRA1YyxUjA>
- **Integrating Science Discussion with Audience Participation (in-person and webcast)**  
<https://youtu.be/ELIKM-cl8GM>