



U.S. Department of Transportation

**Pipeline and Hazardous Materials
Safety Administration**

Public Meeting



Partners in Pipeline Safety

**December 13-15, 2022
Houston**

Tuesday Morning 12/13

8:00 – 8:30

Welcome & Opening Address

Linda Daugherty, Deputy Associate Administrator, PHMSA Office of Pipeline Safety

Keynote Address

Tristan Brown, Deputy Administrator, PHMSA

Recent & Potential Safety Advisories

8:30 – 9:15

Recent Case Studies, Geohazards & Advisory Bulletin

Gery Bauman, Senior Accident Investigator

Wesley Mathews, Accident Investigator

Mary McDaniel, Senior Technical Advisor, Engineering & Research Division

9:15 – 9:45

The Pursuit of Geohazard Threat Management

Zoe Shall, Executive Director, Business Development and Strategic Engagement, Pipeline Research Council International

9:45 – 10:00

Break

10:00 – 10:20

Recent Case Study Hard Spots and NTSB Recommendation P-22-3

Gery Bauman, Senior Accident Investigator

Mary McDaniel, Senior Technical Advisor, Engineering & Research Division

10:20 – 10:50

PRCI Efforts on Hard Spots (Past, Present & Future)

Zoe Shall, Executive Director, Business Development and Strategic Engagement, Pipeline Research Council International

10:50 – 11:20

Hard Spot Assessment & Integrity Analysis

Khanh Tran, Principal Senior Engineer, Integrity, ROSEN

Simon Slater, Principal Engineer, Engineering, ROSEN (virtual)

11:20 – 11:50

Updated Flow Reversals NTSB Recommendation P-22-2

Mary McDaniel, Senior Technical Advisor

11:50 – 12:00 **Maritime Issues / Offshore ADB**
Linda Daugherty, Deputy Associate Administrator, PHMSA Office of Pipeline Safety

12:00 – 1:00 **Lunch**

Tuesday Afternoon 12/13

Failure Investigation Forum

1:00 – 1:10 **AID Initiatives**
Chris Ruhl, Director, Accident Investigation Division

1:10 – 1:50 **Accident Trends and Recent Lessons Learned**
Darren Lemmerman, Senior Accident Investigator
Brian Pierzina, Senior Accident Investigator

1:50 – 2:20 **National Association of Pipeline Safety Representatives Update**
Jon Wolfgram, NAPSR Chair

2:20 – 2:35 **Break**

2:35 – 3:05 **Pipeline Safety Trust Update**
Bill Caram, Executive Director, Pipeline Safety Trust

3:05 – 3:45 **National Transportation Safety Board Update**
Sara Lyons, Pipeline Investigator, NTSB

3:45 – 4:15 **Enforcement of Incidents and Accidents**
Rob Burrough, Director, Eastern Region

4:15 – 4:30 **Wrap-up**
Alan Mayberry, Associate Administrator, PHMSA Office of Pipeline Safety

Wednesday Morning 12/14

Potential Impact Radius (PIR)

- 8:00 – 8:15 **Host Welcome**
Max Kieba, Director, Program Development Division
- 8:15 – 9:00 **Gas PIR Development Background**
Mark Stephens, Senior Engineering Consultant, MJ Stephens Consulting to C-FER Technologies
- 9:00 – 9:45 **Regulatory Development & Current Implementation of Gas PIR**
Steve Nanney, Senior Technical Advisor, Engineering & Research Division
- 9:45 – 10:00 **Break**
- 10:00 – 10:15 **PIR for CO₂ & Hydrogen**
Mark Stephens, Senior Engineering Consultant, MJ Stephens Consulting to C-FER Technologies
- 10:15 – 11:30 **PIR Panel Discussion with Q&A**
Max Kieba, Director, Program Development Division (Moderator)
Bill Caram, Executive Director, Pipeline Safety Trust
Steve Nanney, Senior Technical Advisor, Engineering & Research Division
Mark Stephens, Senior Engineering Consultant, MJ Stephens Consulting to C-FER Technologies
Jon Wolfgram, NAPSR Chair
Andy Drake, Vice President, Asset Integrity for Gas Transmission & Midstream, Enbridge
- 11:30 – 12:00 **Freeport Incident Review**
Bryan Lethcoe, Director, Southwest Region
- 12:00 – 1:00 **Lunch**

Wednesday Afternoon 12/14

Research & Technology Forum

- 1:00 – 1:15 **Summary of PHMSA’s Recent R&D Awards for FY2022**
Sentho White, Director, Engineering & Research Division
Research and Technology Transfer Success Stories
Kandi Barakat, Operations Sup., Engineering & Research Division
- 1:15 – 1:45 **Panel Discussion: Challenges and Successes with
Developing Innovative Technology**
Cliff Johnson, President, Pipeline Research Council International
Dr. Samuel T. Ariaratnam, Professor and Beavers-Ames Chair in
Heavy Construction, Arizona State University
Sonal Patni, Vice President, Operations Technology Development
(Virtual)
- 1:45 – 1:55 **Questions and Answers**
- 1:55 – 3:05 **H2 & H2 Blending – Opportunities and Challenges**
Kandilarya Barakat, Operations Supervisor Engineering & Research
Division
- 1:55 – 2:05 **What We Regulate: Safety Challenges**
Vincent Holohan, Senior Engineer, Engineering & Research Division
- 2:05 – 2:20 **Department of Energy: Hydrogen**
Evan Frye, Physical Scientist, Division of Methane Mitigation
Technologies, U.S. Department of Transportation (Virtual)
Mark Richards, Technology Manager, Hydrogen & Fuel Cell
Technologies Office, U.S. Department of Transportation (Virtual)
- 2:20 – 2:35 **Health & Safety Executive: Hydrogen Research Initiatives,
Challenges and Opportunities**
Dr. Simon Gant, Technical Fellow, Fluid Dynamics Team, Health and
Safety Executive (Virtual)
- 2:35 – 2:50 **SoCal Gas: Hydrogen Composition, Supply Customer,
Design Operations, Locations, & Safety Considerations**
Dr. Siara Sosa, Technology Development Manager, Research,
Development & Demonstration Clean Energy Innovations
- 2:50 – 3:05 **Tallgrass Energy: Hydrocarbon Composition, Supply
Customer, Design Operations, Locations & Safety
Considerations**
Jay Meyers, Vice President for Engineering & Technical Services

- 3:05 – 3:15 **Questions and Answers**
- 3:15 – 3:30 **Break**
- 3:30 – 4:20 **CO₂/CCUS Discussion**
Robert Smith, Senior Research Program Manager, Engineering & Research Division
- 3:30 – 3:40 **What We Regulate: Safety Challenges**
Vinnie Holohan, Engineer, Engineering and Research Division
- 3:40 – 3:55 **Production, Transportation & Storage Activities**
Sarah Leung, Carbon Transport Program Manager, U.S. Department of Energy
- 3:55 – 4:10 **CO₂ Pipeline Project Summary**
Stephen Lee, Executive Vice President, Engineering & Construction, Navigator CO₂
- 4:10 – 4:20 **Questions and Answers**
- 4:20 – 4:30 **Determining the Importance of Unfunded Prior R&D Forum Topics**
Robert Smith, Senior Research Program Manager, Engineering & Research Division
- 4:30 – 4:45 **Wrap-Up**
Alan Mayberry, Associate Administrator, PHMSA Office of Pipeline Safety

Thursday Morning 12/15

- 8:00 – 8:15 **Host Welcome**
Linda Daugherty, Deputy Associate Administrator, PHMSA Office of Pipeline Safety
- 8:15 – 9:15 **Reducing Methane Emissions – Section 114 Overview & Lessons Learned**
Max Kieba, Director, Program Development Division
Jon Wolfgram, NAPSR Chair
Harold Winnie, Director, Program Manger, Central Region
- 9:15 – 9:45 **Greenhouse Gas Emission Reduction Technologies**
Cliff Johnson, President, PRCI

- 9:45 – 10:00 **Break**
- 10:00 – 10:30 **Renewable Natural Gas / Biogas**
Alex Kirschling, Pipeline Safety Program Manager, Wisconsin PSC
- 10:30 – 11:30 **Opportunities & Challenges Discussion Panel**
Max Kieba, Director, Program Development Division
Alex Kirschling, Pipeline Safety Program Manager, Wisconsin PSC
Bill Caram, Executive Director, Pipeline Safety Trust
Cliff Johnson, President, PRCI
- 11:30 – 11:50 **Summary/Follow-on of Risk Assessment/Interactive Threat 2020 Report/Workshop**
Steve Nanney, Senior Technical Advisor, Engineering Division
- 11:50 – 1:00 **Lunch**

Thursday Afternoon 12/15

- 1:00 – 2:00 **PHMSA Rulemaking Implementation Process**
Linda Daugherty, Deputy Associate Administrator, PHMSA Office of Pipeline Safety
- 2:00 – 2:15 **Break**
- 2:15 – 3:30 **Update on SMS/Safety Culture – Industry & PHMSA Initiatives**
Alan Mayberry, Associate Administrator, PHMSA Office of Pipeline Safety
Max Kieba, Director, Program Development Division
Colin Frazer, Senior Manager, System Programs, American Petroleum Institute
Pat Carey, Director, Operations, Kinder Morgan
- 3:30 – 4:00 **Meeting Wrap-up / Final Questions and Answers**
Alan Mayberry, Associate Administrator, PHMSA Office of Pipeline Safety

