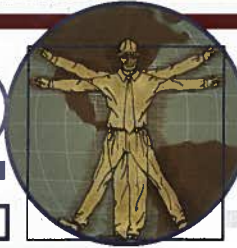


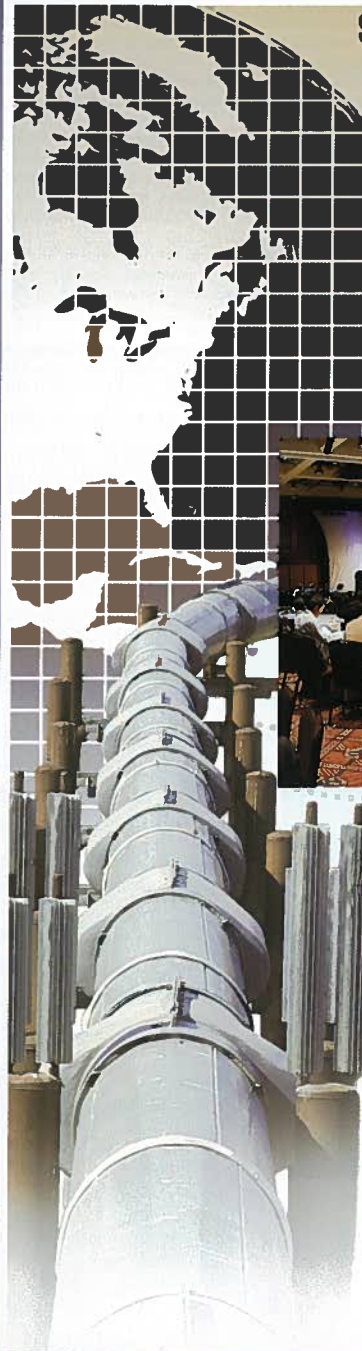
# IPCE 2010



## INTERNATIONAL PIPELINE CONFERENCE & EXPOSITION

September 27 – October 1, 2010 • Calgary, Alberta, Canada

### Pipelines in a Changing World



## Conference Final Program



## Panel Session 1: CO<sub>2</sub> Pipelines

*Panel Session Chair: Jake Abes, DNV Energy Canada*  
*Room: TELUS Glen 201-204*  
*Date: Monday, September 27, 2010*  
*Time: 09:00 – 17:00*

### Purpose

To provide a forum for a discussion of issues related to CO<sub>2</sub> pipeline projects.

### Panel 1A

Panel 1A will provide an overview of CO<sub>2</sub> pipeline projects and address the need for international collaboration, knowledge sharing, regulatory and standards development and research.

*Moderator: Jake Abes, DNV Energy Canada*

- 09:00 – 09:15 Introductory Remarks
- 09:15 – 09:35 Patricia Seevam, BP (UK)
- 09:40 – 10:00 Paul Crooks, Project Manager, CCS Pipelines, Masdar (Abu Dhabi)
- 10:00 – 10:20 Break
- 10:20 – 10:40 Preparing for CO<sub>2</sub> Pipelines in Australia  
Peter Tuft, Peter Tuft & Associates (Australia)
- 10:45 – 11:05 Herb Longworth, Senior Advisor, Energy Resources Conservation Board
- 11:10 – 12:00 Q&A

### Panel 1B

Panel 1B will provide a forum for discussion of broad issues related to CO<sub>2</sub> pipeline projects including social, environmental, commercial, policy and legislative issues.

*Moderator: David Coleman, Business Development Leader, Carbon Capture & Storage, DNV Energy Houston*

- 13:30 – 13:45 Introductory Remarks
- 13:45 – 14:05 Rob Craig, Director, Strategy & Technology, Integrated CO<sub>2</sub> Network
- 14:10 – 14:30 Chuck Szmurlo, Vice President, Alternative and Emerging Technologies, Enbridge
- 14:35 – 14:55 Doug Lammie, Director, CCS Development Projects, Alberta Department of Energy
- 14:55 – 15:15 Break
- 15:15 – 15:35 Safety Perspective and Technical Challenges for CO<sub>2</sub> Pipelines  
Robert W. Smith, R&D Program Manager, PHMSA, US Dept. of Transportation
- 15:40 – 16:00 Michael E. Moore, Vice President, Business Development and External Affairs, Blue Source
- 16:00 – 17:00 Q&A

## Panel Session 2: Improving Effectiveness of Seam Weld Anomaly In-Line Inspections

*Room: TELUS Glen 209*  
*Date: Wednesday, September 29, 2010*  
*Time: 13:30 – 16:00*  
*Moderator: Alan Murray, Principia Consulting*

### Purpose

Discuss the challenges associated to the effectiveness of Seam Weld Anomaly In-Line Inspection technologies and brainstorm strategies for reducing pipeline incidents

### Background

On 27, October 2009, the National Transportation Safety Board (NTSB) issued Safety Recommendations P9-09-1 through 3, related to a seam weld failure resulting in fire, two people killed and seven people sustaining minor injuries. Even though the NTSB Accident Report containing the recommendations recognizes the improvements of the in-line inspection technologies as well as the increase of their data analysis capabilities, it also states that "current inspection and testing programs are not sufficiently reliable to identify features associated with longitudinal seam failures of Electric Resistance Welding pipe prior to catastrophic failure in operating pipelines."

Furthermore, North America has also experienced incidents relating to other types of seam weld anomalies where further effectiveness in detecting, characterizing and sizing cracking by in-line inspections could have contributed in the prevention of these incidents.

### Panelists

- American Regulator: Alan Mayberry, US Pipeline and Hazardous Material Safety Administration (PHMSA)
- Canadian Federal Regulator: Rafael G. Mora, National Energy Board of Canada
- Gas Pipeline Operator: Sergio Limon, Williams-Northwest Pipelines
- In-Line Inspection Company: Thomas Beuker, Rosen
- Liquid Pipeline Operator: Scott Ironside, Enbridge
- Non-Destructive Testing (NDE) involved in Research: Martin Fingerhut, Applus RTD
- Consulting Company: Alasdair Clyne, DNV

## Panel Session 3: Early Warning Signs—Pipeline Safety is a Shared Responsibility

*Panel Session Chair: William P. Doyle, Office of the Federal Coordinator (OFC), Alaska Natural Gas Transportation Projects*  
*Room: TELUS Glen 209*  
*Date: Wednesday, September 29, 2010*  
*Time: 13:30 – 16:00*

### Purpose

To discuss the obligation of parties to pro-actively remediate pipeline operational problems.

### Background

The need to develop technologies, regulations and management systems for identifying operational deficiencies is paramount to pipeline safety and the cost of not doing so can be enormous. In the near term, it is absolutely essential for pipeline owners and operators to remediate all deficiencies that they are aware of and for regulators to focus their effort on areas of greatest operational risk.

We have assembled a panel of experts from the legal, technical and regulatory community to discuss the need to immediately address deficiencies once they become known as the risks of not acting is far too great.

### Panelists:

- William P. Doyle, Panel Moderator; Director of Permits, Scheduling & Compliance, Office of the Federal Coordinator (OFC), Alaska Natural Gas Transportation Projects
- Robert D. Vergette, P. Eng., Panelist; Board Member of the Canadian National Energy Board
- Ken Paulson, P. Eng., Panelist; Chief Engineer and Deputy Commissioner for the British Columbia Oil and Gas Commission
- Edward J. Murphy, Esquire, Panelist; Partner at Beirne, Maynard & Parsons, LLP, Houston, TX
- Jerry Rau, M.Eng., Panelist; Director of Pipeline Integrity and Codes for Panhandle Energy
- Dan Fergus, Esquire, Panelist; Partner at Fergus and Fergus, LLP, Abilene, TX
- Robert P. Schuster, Esquire, Panelist; Trial Lawyer, Jackson, WY
- Brenda Kenny, Panelist, President and CEO, Canadian Energy Pipeline Association