

2016 Pipeline Safety Educational Conference



MINNESOTA OFFICE OF PIPELINE SAFETY

2016 Pipeline Safety Educational Conference

**Breezy Point Resort
April 11-14, 2016**

Monday, April 11

9:00-5:00	Gopher State One Call Board Meeting
3:00-8:00	Registration — Conference Center Lobby
3:00-8:00	Exhibitor Setup — Minnesota
6:00-8:00	Dinner — Marina Dining Room

Tuesday, April 12

6:30-8:55	Breakfast — Marina Dining Room
7:00-4:30	Registration — Conference Center Lobby
8:00-4:30	Exhibits Open — Minnesota
9:15-10:20	Welcome & Opening Remarks — Whitebirch Bruce West, MNOPS Director & State Fire Marshal Commissioner Mona Dohman, Department of Public Safety Jon Wolfgram, MN Office of Pipeline Safety Chief Engineer Barbara Cederberg, Gopher State One Call Chief Operations Officer Chuck Jensen, Minnesota Common Ground Alliance
10:20-11:30	Keynote — Whitebirch What Is Situational Awareness and Why Does It Matter? Dr. Rich Gasaway, Gasaway Consulting Group
11:30-12:30	Lunch — Marina Dining Room & Dockside Lounge

Tuesday, April 12 (continued)

12:35-1:25	General Session — Whitebirch What Is Situational Awareness and Why Does It Matter? (continued)		
1:25-2:20	General Session — Whitebirch Physical, Cyber and Information Security Glenn Sanders, Protective Security Advisor, Department of Homeland Security		
2:20-2:35	Break with Exhibitors — Minnesota		
	Natural Gas Whitebirch I	Hazardous Liquid / General Whitebirch II	Damage Prevention / New Technologies Pelican Room
2:35-3:30	OQ and Accident/Incident Investigation Warren Miller, Warren Miller Enterprises	Pipeline Release, Case Study Craig Schafer, MN Pollution Control Agency	GSOC Update and Outreach Barb Cederberg & Estelle Richard, GSOC
3:35-4:30		API RP 1173 – Pipeline Safety Management Systems Michael McGonagill, Strategic Convictions	Streamlining the Damage Investigation Process Tom Hall & Jeff Law, Korterra
5:00-7:00	Dinner — Marina Dining Room & Dockside Lounge		

Wednesday, April 13

6:00-7:55	Breakfast — Marina Dining Room		
7:00-4:30	Registration — Conference Center Lobby		
8:00-4:30	Exhibits Open — Minnesota		
	Natural Gas Whitebirch I	Hazardous Liquid / General Whitebirch II	Damage Prevention / New Technologies Pelican Room
8:00-9:05	Part 191 and Other Reporting Requirements Jeff Blackwell, MN Office of Pipeline Safety	Correlating ILI with Direct Examination Rick Desaulniers, Lake Superior Consulting	Smartshore Mike Bruggeman, GROEBNER
9:05-9:35	Break with Exhibitors — Minnesota		
9:35-10:35	Part 192 — Overview of Natural Gas Regulations Kevin Streeter, MN Office of Pipeline Safety	HDD Planning and Design Considerations from a Contractor's Perspective Brad Eifert, Michels Corp.	Make a Difference with MNCGA! Quarterly Meeting
10:40-11:35		A Review of Criminal Cases against Pipeline Companies and Employees Amy Back, Enbridge	
11:40-12:50	Lunch — Marina Dining Room & Dockside Lounge		

Wednesday, April 13 (continued)			
	Natural Gas Whitebirch I	Hazardous Liquid / General Whitebirch II	Hands-On Sessions Pelican Room
12:50-1:55	What Do You Expect ? Steve Olinger, CenterPoint Energy Tom Anderson, Xcel Energy	Liquid: Procedure Review & Breakout Tanks Darren Lemmerman, Pipeline and Hazardous Materials Safety Administration (PHMSA)	Corrosion Basic Methods & Techniques for CP Testing Marty Iozzo, General Corrosion John McMahan, Magellan
2:00-3:00	PHMSA Advisory Bulletins & Rule Update Status Jeff Cremin, MN Office of Pipeline Safety	Explosive Hazard & Recognition For the Pipelines Community Michael Lynch, Dept. of Homeland Security	
3:00-3:30	Break with Exhibitors — Minnesota		
3:30-4:30	What to Expect During an Inspection Jon Wolfgram, MN Office of Pipeline Safety	Are You Ready for the New Construction Confined Space Standard? Mark Kitchenmaster, Minnesota Limited	Relief Valves 101 Ben Sherman, Xcel Energy
5:00-7:00	Dinner — Marina Dining Room		
6:00-9:00	Vendor Hospitality — Minnesota		

Thursday, April 14			
6:00-8:00	Breakfast — Marina Dining Room		
7:00-10:00	Registration — Conference Center Lobby		
8:00-10:15	Exhibits Open — Minnesota		
	Natural Gas Whitebirch I	Hazardous Liquid / General Whitebirch II	Damage Prevention / New Technologies Pelican Room
8:00-8:55	Fire/Emergency Responder Training Glen Jenkins, St. Paul Fire Dept. Jim Iammatteo, State Fire Marshal	Ethics for Professionals Dr. Chad Wienstein, Ethical Leaders in Action	Pipeline Ag Safety Alliance Chris Thome, Rhino Markers
9:00-10:00	Fire Department Gas Utility Training Ron Lindstrom, CenterPoint Energy Pat Donovan, MN Office of Pipeline Safety		GSOC Update and Outreach Barb Cederberg & Estelle Richard, GSOC
10:00-10:15	Break with Exhibitors — Minnesota		
10:15-11:25	Avoiding Disaster – What’s Your Plan? Danny Quint, Minnesota Energy Resource Corp.	Elements of a Modern Right of Way Project – A Route to Success Dave Hennen & Curt Proud, ProSource Technologies	Promoting Safe Digging Public Awareness through Socially Interactive Community Events Becca Virden, CenterPoint Energy Chris Thome, Rhino Markers
11:30-12:30	Lunch — Marina Dining Room		

Session Descriptions Listed Alphabetically

- **A Review of Criminal Cases against Pipeline Companies and Employees**

Amy Back, Enbridge

Criminal Prosecutions of Pipeline Employees & Officers – Real Life Cases with Real Life Consequences. This presentation will look at various criminal cases in the oil and gas pipeline industry.

- **API RP 1173 — Pipeline Safety Management Systems**

Michael McGonagill, Strategic Convictions

The American Petroleum Institute announced last year a new pipeline safety management system (PSMS) standard, API Recommended Practice 1173. This standard was built on the industry goal of zero incidents and was created with engagement and guidance from the National Transportation Safety Board (NTSB), the Pipeline and Hazardous Materials Safety Administration (PHMSA), and other key stakeholders to further enhance pipeline safety. PHMSA has articulated that the deployment of PSMS within operating organizations is a high priority.

If you want to better understand the concepts of PSMS, the API RP 1173 standard, and how to begin to implement those elements into your operating organization, this would be the breakout session for you to attend.

- **Are You Ready for the New Construction Confined Space Standard?**

Mark Kitchenmaster, Minnesota Limited

As construction companies gear up for the 2016 construction season have they trained and made their work force aware of the Confined Space Construction Standard? We will cover some of the most important topics for contractors, workers, supervisors, trainers and management.

- **Avoiding Disaster — What's Your Plan?**

Danny Quint, Minnesota Energy Resource Corp.

An overview of the tasks necessary in a modern right of way project, with an emphasis on management and work practices to ensure a successful project by avoiding landowner complaints. This presentation will include a discussion of route selection, title work, acquisition documents and quality control. Attendees are encouraged to come prepared to ask technical questions and present unique right of way problems.

- **Basic Methods and Techniques for CP Testing**

Very basic methods and techniques used by field technicians that produce very reliable, accurate, and repeatable CP and atmospheric readings for documenting. Speakers will be Marty Iozzo with General Corrosion and John McMahan with Magellan Pipeline. There will be time for a Q&A session.

- **Correlating ILI with Direct Examination**

Rick Desaulniers, Lake Superior Consulting

With pipeline integrity management regulations in place for more than 10 years and API 1163 – In-Line Inspection Systems Qualification Standard having been published for a similar period, the pipeline industry has become familiar with general requirements associated with using In-Line Inspection (ILI) to maintain a safe pipeline. The industry does not always consistently perform high-quality correlation of ILI information. The process of validating ILI tool results or altering existing tool algorithms can have lasting consequences for the integrity of the pipeline. This presentation will focus on examples of various types of anomalies where correlation is not straight forward and will discuss scenarios in which these are likely to occur. Direct examination of ILI results plays a role in demonstrating to the pipeline operator and regulatory agencies that integrity threats of a pipeline are well defined and accounted for within the limits of the ILI tools. False correlations, regardless of who is performing the correlation, must be prevented in order to obtain a correct understanding of pipeline risks, and managing pipeline integrity.

- **Data Integration/Integrity Management**
Gary Krichau, Northern Natural Gas
In this presentation, a process of integrating risk data with pipeline and GIS data will be described to aid operators in selecting effective integrity assessment methods as well as preventive and mitigative measures for high consequence areas and whole pipelines.
- **HDD Planning and Design Considerations from a Contractor's Perspective**
Brad Eifert, Michels Corp.
A look into how to plan and design successful HDD projects that owners, engineers and contractors can collectively agree on.
- **Elements of a Modern Right of Way Project — A Route to Success**
Dave Hennen & Curt Proud, ProSource:
The presentation will not be a sales pitch; it's really focused on the basic elements of what people need to know to make a project successful and how to avoid and/or address issues – very much in line with the current title, "Elements of a Modern Right of Way Project – A Route to Success." As I mentioned, and as you well know, that's the positive spin to avoiding problems.
- **Ethics for Professionals**
Dr. Chad Wienstein, Ethical Leaders in Action
This presentation will present a positive perspective on professional ethics related to the technical and interpersonal aspects of pipeline safety work. Participants will learn specific techniques for decision-making and communication that will allow them to apply that perspective to their work. This breakout session may be used to fulfil Professional Engineer Licensure professional development hours.
- **Explosive Hazard & Recognition For the Pipelines Community**
Michael Lynch, Dept. of Homeland Security
The class will focus on safety for employees, component recognition, best practice in the event of a possible Improvised Explosive Devices or suspect package.
- **Fire/Emergency Responder Training**
Glen Jenkins, St. Paul Fire Dept., & Jim Iammatteo, State Fire Marshal
This session will discuss working with fire departments and fire investigators while responding to a scene and subsequent investigations.
- **Fire Department Gas Utility Training**
Ron Lindstrom, CenterPoint Energy, Pat Donovan, MN Office of Pipeline Safety
An overview of current compliance training, which is done in association with the Office of Pipeline Safety.
- **GSOC Update and Outreach**
Barb Cederberg & Estelle Richard, GSOC
GSOC representatives will discuss the status of the new call center and systems as well as an overview of the 2016 outreach activities.
- **Liquid: Procedure Review & Breakout Tanks**
Darren Lemmerman, Pipeline and Hazardous Materials Safety Administration (PHMSA)
This presentation will cover CFR 195 regulations that pose high probabilities of non-compliance. We will cover the codes that regularly fall short from an inspector's experience and how to be in compliance.
- **Make a Difference with MNCGA!**
This is the quarterly meeting of the MN Regional Common Ground Alliance. This group works together to improve public safety and spearhead damage reduction initiatives. Get engaged in the conversation, become a member and make your voice heard.

- **Operator Qualifications (OQ) and Accident/Incident Investigation**

Warren Miller, Warren Miller Enterprises

This presentation addresses the approach and different considerations an operator should take when investigating an accident or incident where OQ tasks may have been performed. A case study will be reviewed.

- **Part 191 and Other Reporting Requirements**

Jeff Blackwell, MN Office of Pipeline Safety

This presentation will cover the requirements associated with PHMSA incident reports, annual reports and safety-related condition reports. In addition, we will cover what is required by the National Registry of Pipeline and LNG Operators and the National Pipeline Mapping System.

- **Part 192 — Overview of Natural Gas Regulations**

Kevin Streeeter, MN Office of Pipeline Safety

Have you ever wondered what's behind the history of our gas code and where it comes from? Have you been confused on how to read the code or how things are defined? Please join us for a two hour discussion on Part 192, Natural Gas regulations. We'll discuss the history, how to read and interpret the code, give you some resources to help navigate your way through it and discuss briefly the codes in each Subpart. We will not have time to cover every code, but will discuss some important topics to remember.

The 1st hour will focus on History, Intro to Part 192 and Subparts A to G. We'll take a 10 minute break and spend the next hour discussing Subparts I to P, majority to include topics on corrosion, operations and maintenance.

- **Pipeline Release, Case Study**

Craig Schafer, MN Pollution Control Agency

This presentation will be a case study of a release from a refined petroleum product pipeline that resulted from a small, almost non-detectable leak over a longer period of time

- **PHMSA Advisory Bulletins & Rule Update Status**

Jeff Cremin, MN Office of Pipeline Safety

This presentation will focus on Advisory Bulletins & Rule Update Status related to Parts 191, 192, 193, 195, 196, and 198. It will cover the Advisory Bulletins issued by PHMSA during 2015 and 2016. An overview of the three final rules issued during the past year will be discussed. Finally, there will be a status update and high-level overview of the majority of significant and non-significant rules that are currently pending.

- **Physical, Cyber and Information Security**

Glenn Sanders, Protective Security Advisor, Department of Homeland Security

Our nation's critical infrastructure is increasingly at risk from a variety of hazards including climate change and extreme weather, aging and failing infrastructure components, cyber threats, pandemics, and acts of terrorism. Securing critical infrastructure and ensuring its resilience is a shared responsibility of federal, state, local, tribal, territorial, and private sector partners, as well as individual citizens. DHS has developed resources and capabilities that can be leveraged by public and private sector partners to better enhance infrastructure security and resilience.

- **Promoting Safe Digging Awareness through Socially Interactive Community Events**

Becca Virden, CenterPoint Energy

Chris Thome, Rhino Markers

How to approach common barriers to deliver effective safety communications and awareness through synergy and teamwork. How to combine safety message campaigns into successful community events

- **Relief Valves 101**

Ben Sherman, Xcel Energy

We will discuss the basics of relief valves and include a hands-on opportunity. We will discuss the regulatory question of venting relief valves during required annual safety maintenance.

- **Smartshore**

Mike Bruggeman, GROEBNER

Today's gas utilities have many tools at their disposal to help deliver gas to their customers in a safe and cost effective manner. This session will provide an overview of a new and emerging technology in Trench and Shoring Safety that is designed to assist utilities and their workers in their day to day operations. It is all about Safety! WHO is waiting on you to come home tonight?

- **Streamlining the Damage Investigation Process**

Tom Hall & Jeff Law, Korterra

Damage investigation and claims recovery have a major impact on every organization's bottom line. This presentation will discuss ways to streamline your organization's damage investigation process and provide everything you need to support your case.

- **What Do You Expect ?**

Steve Olinger, CenterPoint Energy, Tom Anderson, Xcel Energy

Our presentation is called "What do you expect," a roundtable discussion on how to drive down emergency response through understanding and identifying differences in worldviews and implementing best practices.

- **What Is Situational Awareness and Why Does It Matter?**

Dr. Rich Gasaway, Gasaway Consulting Group

This program provides attendees with a working definition for situational awareness and explains how it is developed. Specific examples of barriers that can erode awareness will be shared, including: Sensory conflict, pre-arrival lens, confirmation bias, tunnel vision, task fixation, mission myopia, multitasking, short-term memory overload, confabulation, time distortion and more.

- **What to Expect During an Inspection**

Jon Wolfgram, MN Office of Pipeline Safety

This presentation will help prepare you for your upcoming inspection. We will discuss what to expect during your inspection and give you some insight on MNOPS' regulatory perspective.

Save The Date



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2017 Pipeline Safety
Educational Conference

April 17-20, 2017 @

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Special Thanks

A special thank you to the conference committee!

- Conrad Bombardier, Charter Communications
- Jenny Borgerson, Xcel Energy
- Susan Brommer, MN Office of Pipeline Safety
- Jeff Cremin, MN Office of Pipeline Safety
- David Gunderson, ONEOK
- Dean Headlee, CenterPoint Energy
- Peter Henkels, GROEBNER
- Deana Jeske, GROEBNER
- Sevie Karolewski, GROEBNER
- Mike Mendiola, MN Office of Pipeline Safety
- Dan Munthe, Alliance Pipeline
- Jeff Murray, Xcel Energy
- Steve Olinger, CenterPoint Energy
- Danny Quint, Minnesota Energy Resources
- Jim Rannes, Enbridge
- Todd Stansbury, MN Office of Pipeline Safety
- Kevin Streeter, MN Office of Pipeline Safety
- Chris Thome, Rhino Markers

If you have suggestions for topics or would like to be part of the 2017 MNOPS Conference Committee, please email

dps.mnops.training@state.mn.us

THANK YOU!



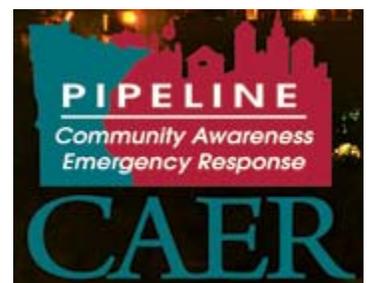
Special thank you to GROEBNER,



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