

2013 South Dakota/North Dakota/Wyoming Pipeline Safety Operator Training Rapid City, S.D. ♦ hosted by the South Dakota Public Utilities Commission

Agenda – Wednesday, April 3, 2013

Tracks

DIMP	Public Awareness	Corrosion & Cathodic Protection
Operations & Maintenance	Control Room Management	

REGISTRATION

7-8 a.m. **Registration**
Convention Center II Foyer

Check in, receive name badge and conference materials. South Dakota PUC representatives will staff the registration desk through Thursday.

EXHIBITOR SHOWCASE

7:30 a.m. – 7 p.m. **Exhibitor Showcase**

Pactola & Sheridan More than 25 vendors that support the pipeline safety industry display their wares and services at the Exhibitor Showcase. Stop by to visit with representatives throughout the training event and register for a door prize to be given away at tonight’s reception.

GENERAL SESSIONS, 8-9:30 a.m.

8-9 a.m. **General Session**

Washington **Welcome** – Vice Chairman Chris Nelson, South Dakota Public Utilities Commission

State Manager Reports

State pipeline safety program managers offer an operational summary of their respective programs.

- Nathan Solem, Pipeline Safety Program Manager, South Dakota Public Utilities Commission
- Aaron Morman, State Gas Safety Inspector/Program Manager, North Dakota Public Service Commission
- David Piroutek, Engineering Supervisor, Wyoming Public Service Commission

9-9:30 a.m. **General Session: Regulation Update** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA

Washington We’ll hear an overview about the active items in PHMSA’s regulatory agenda.

MORNING BREAK, 9:30-10 a.m.

9:30-10 a.m. **Refreshment and Networking Break**

Pactola & Sheridan Enjoy a morning snack while visiting the Exhibitor Showcase. Refreshments are provided by exhibitors and South Dakota’s local distribution companies: MidAmerican Energy, Montana-Dakota Utilities Co. and NorthWestern Energy.

CONCURRENT SESSIONS, 10-11 a.m.

10-11 a.m. **DIMP: National Results** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA

Sylvan 1 This session is an overview of the successes and shortcomings identified in operator DIMP programs during the previous year.

10-10:30 a.m. **Public Awareness: National Results** – Harold Winnie, Community Assistance and Technical Services

Sylvan 2 Project Manager, USDOT/PHMSA

This session will examine the common issues being found during the public awareness program inspections by PHMSA.

10:30-11 a.m. **Public Awareness: Pipeline Association Updates**

Sylvan 2 State pipeline association representatives tell us what’s happening in their backyards.

- Troy Styer, President, South Dakota Pipeline Association
- Don Johnson, Chairman, and Kurt Dutchuk, Member, North Dakota Pipeline Association
- Jon Brown, Chairperson, Wyoming Pipeline Association

10-11 a.m. **Corrosion & Cathodic Protection: Pipeline Shorts, Identification & Remediation** – Tom Bussard, Corrosion Engineer, Farwest Corrosion Control Co.
Legion 1
This course is designed for personnel interested in maintaining cathodic protection integrity on electrical isolation of well casings, gathering lines, transmission lines and distribution piping. Subjects include determining a shorted condition, common shorts, uncommon shorts and standard methodology for locating shorts.

CONCURRENT SESSIONS, 11-11:30 a.m.

11-11:30 a.m. **DIMP: ESRI DIMP Model** – Daryl Anderson, Montana-Dakota Utilities Co.
Sylvan 1
This presentation will focus on Montana-Dakota and Great Plains Natural Gas Co.'s DIMP with emphasis on the GIS approach to risk assignment using a moderately modified version of the ESRI DIMP Risk Model.

11-11:30 a.m. **Public Awareness: Public Awareness at NorthWestern Energy** – Teresa McGrath, Safety Coordinator, NorthWestern Energy
Sylvan 2
A look at how NorthWestern Energy's public awareness program meets the requirements of and is consistent with the recommendations contained in API RP 1162. The three principal compliance elements covered include public education, emergency responder liaison activities, and damage prevention.

11-11:30 a.m. **Corrosion & Cathodic Protection: Current Mapping** – Richard Roen, Locators & Supplies
Legion 1

LUNCH BREAK, 11:30 a.m. - 1 p.m.

11:30 a.m. **Lunch Break – On your own**
– 1 p.m. Minerva's Restaurant at the Ramkota is open for lunch or visit any nearby eatery.

CONCURRENT SESSIONS, 1-2 p.m.

1-1:30 p.m. **DIMP: Operator Experience & Practice** – Melissa Baruth, DOT Coordinator, and Kevin Shuttleworth, Senior Technical Advisor, NorthWestern Energy
Sylvan 1
This session is a high-level overview of NorthWestern's approach and philosophy to DIMP. Discussion will include the possibly unique points of the company's DIMP and the heavy reliance on subject matter experts.

1:30-2 p.m. **DIMP: Mechanical Fittings, National Data** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA
Sylvan 1
This session will examine the data collected from the mechanical fitting failure reporting effort and discuss the overall objectives of the analysis.

1-2 p.m. **Public Awareness: Communicating with the Four Stakeholder Audiences** – Harold Winnie, Community Assistance and Technical Services Project Manager, USDOT/PHMSA
Sylvan 2
Attendees will be led through a review of best practices and issues in baseline and supplemental messaging to the four stakeholder audiences: affected public, emergency officials, local public officials and excavators.

1-2 p.m. **Corrosion & Cathodic Protection: Practice** – Marty Iozzo, President, General Corrosion Corp.
Legion 1
This session will cover the basics of corrosion as it occurs in the pipeline industry and how properly designed, installed and maintained cathodic protection can overcome corrosion's destructive and costly effects.

CONCURRENT SESSIONS, 2-3 p.m.

2-3 p.m. **Operations & Maintenance: Regulator Overview** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA
Sylvan 1
This session will include a discussion of the expectations required for inspection and maintenance of pressure limiting and overpressure protection equipment.

2-3 p.m. **Control Room Management: Inspection Issues from the Federal Perspective** – Karen Butler, Accident Investigation Team Supervisor, USDOT/PHMSA Central Region
Sylvan 2
This presentation is focused on helping to make operators or regulators aware of what can be done ahead of time to prevent confusion, help prevent miscommunication, speed up the inspection and eliminate misconceptions about certain aspects of the new CRM rule.

2-3 p.m. **Corrosion & Cathodic Protection: Practice (continued)** – Marty Iozzo, President, General Corrosion Corp.
Legion 1
See 1 p.m.

AFTERNOON BREAK, 3-3:30 p.m.

3:30-3:30 p.m. Refreshment and Networking Break

Pactola & Sheridan Grab some food and beverage and browse the Exhibitor Showcase. Refreshments are provided by exhibitors and South Dakota's local distribution companies: MidAmerican Energy, Montana-Dakota Utilities Co. and NorthWestern Energy. Please thank them!

CONCURRENT SESSIONS, 3:30-4 p.m.

3:30-4 p.m. Operations & Maintenance: Odorization – Dave Bull, Manager, ViaData

Sylvan 1 This program will discuss the current odorization regulations 49 CFR §192.625, a proposed change to the regulation, compliance methods and odorization audits.

3:30-4 p.m. Control Room Management: Control Rooms & Controllers May Not be Just What You Think – Karen Butler, Accident Investigation Team Supervisor, USDOT/PHMSA Central Region

Sylvan 2 This to-the-point session will provide basic guidance of the applicability section of the CRM regulation. You'll learn some basic questions to ask and answer to substantiate the existence of a new or existing control room.

3:30-4 p.m. Corrosion & Cathodic Protection: Ground Bed Installation – Tom Bussard, Corrosion Engineer, Farwest Corrosion Control Co.

Legion 1 This course is geared toward personnel who are contemplating the type of groundbed installation for various conditions based on current requirement, structure parameters, electrolyte characteristics, variability and longevity.

CONCURRENT SESSIONS, 4-4:30 p.m.

4-4:30 p.m. Operations & Maintenance: 192 Overview – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA
Sylvan 1 Learn the key components for maneuvering through Part 192 in an efficient and effective manner.

4-4:30 p.m. Control Room Management: Accidents and Control Room Influence – Karen Butler, Accident Investigation Team Supervisor, USDOT/PHMSA Central Region

Sylvan 2 Sharing lessons learned from accident investigations with control room involvement will be the focus of this session. Whether operating or regulating, if you are involved with an internal or external driven accident investigation, the sharing of lessons learned coupled with proactive actions can help prevent future problems.

4-4:30 p.m. Corrosion & Cathodic Protection: Rectifiers – Marty Iozzo, President, General Corrosion Corp.

Legion 1 This session will help the user select, install and routinely maintain their cathodic protection rectifier.

CONCURRENT SESSIONS, 4:30-5 p.m.

4:30-5 p.m. Operations & Maintenance: Class Locations – Dave Bull, Manager, ViaData

Sylvan 1 This program will cover 49 CFR §192.5: Class Locations, methods for determining class location and numerous DOT interpretations on class location issues. The "sliding mile" used to determine class locations along a pipeline will be demonstrated.

4:30-5 p.m. Control Room Management: MidAmerican Energy Control Room Management Plan – Bill Putnam, Gas Control Supervisor, MidAmerican Energy

Sylvan 2 Find out how MidAmerican Energy prepares for the control room plan audit, changes made to the plan as a result of the audit, lessons learned and the impacts of control room management on gas control operations.

4:30-5 p.m. Corrosion & Cathodic Protection: AC Mitigation – Tom Bussard, Corrosion Engineer, FarwestCorrosion Control Co.

Legion 1

EVENING RECEPTION, 5-7 p.m.

5-7 p.m. Reception hosted by Exhibitors

Pactola & Sheridan Wind down after a full day of sessions and enjoy the company of your colleagues with some light hors d'oeuvres and beverages. The evening's fare is hosted by exhibitors: Allied Valve Inc., Applied Control, Border States, Clock Spring, DeRossett Co., Ditch Witch of South Dakota, EN Engineering, Energy Economics Inc., Energy Worldnet Inc., Farwest Corrosion Control Co., FEI Inc., FlagShooter LLC, GAS Product Sales Inc., GC Products, GE Oil & Gas/Dresser Inc., General Corrosion Corp., Groebner & Associates, Heath Consultants Inc., Lasen Inc., Locators & Supplies Inc., Mueller Co., Nelson Technologies Inc., Picarro Inc., Q3 Contracting Inc., Structural Integrity Associates, Veriforce LLC, ViaData LP, and WBI Corrosion Services.

2013 South Dakota/North Dakota/Wyoming Pipeline Safety Operator Training Agenda

Agenda – Thursday, April 4, 2013

Tracks

TIMP	Drug & Alcohol	Operator Qualifications
Inspections	Damage Prevention	Failure Investigation & Legal Issues

REGISTRATION

7:30 a.m. – 5 p.m. **Registration Desk Open**
Convention Center II Foyer

EXHIBITOR SHOWCASE

8 a.m. – 3:30 p.m. **Exhibitor Showcase**
Pactola & Sheridan More than 25 vendors that support the pipeline safety industry display their wares and services at the Exhibitor Showcase. Stop by to visit with representatives throughout the training event.

CONCURRENT SESSIONS, 8-9 a.m.

8-9 a.m. **TIMP: Direct Assessment & Guided Wave Testing** – Scott Riccardella, Consultant/Project Manager, *Sylvan 1*
 Structural Integrity Associates
 Direct assessment techniques are PHMSA-approved methodologies for assessing the condition of buried pipelines. DA methods rely on a programmatic assessment approach based on fundamental engineering practices involving a four-step process specific to each type of major corrosion threat (external, internal, and stress corrosion cracking). Guided wave testing has evolved to provide valuable and complementary information regarding the integrity of buried pipelines. This presentation will cover advanced tools and methodologies to address some of the challenges to the use of traditional direct assessment and GWT.

8-9 a.m. **Drug & Alcohol: Update** – Stanley Kastanas, Director, Office of Substance Abuse Policy, Investigations and *Sylvan 2*
 Compliance, USDOT/PHMSA
 Summary and discussions about regulatory changes to employer substance abuse/misuse programs. Learn about the impacts that employers need to know about maintaining compliance.

8-9 a.m. **Operator Qualifications: Update** – Warren Miller, Operations Supervisor, USDOT/PHMSA Central Region *Legion 1*
 This session will focus on the latest findings in the operator qualifications arena.

CONCURRENT SESSIONS, 9-9:30 a.m.

9-9:30 a.m. **TIMP: Nationwide Results** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA *Sylvan 1*
 What results has TIMP produced and what has slipped through the cracks?

9-9:30 a.m. **Drug & Alcohol: Inspection of Collection Sites** – Mary Zanter, South Dakota Public Utilities Commission *Sylvan 2*
 The session will review the violations found during the 2010 and 2012 inspection of alcohol testing sites and urine collection sites for drug testing. Many pipeline operators rely on clinics to provide alcohol and drug testing services. An operator must ensure the clinics follow the correct procedures since the gas pipeline operator is responsible for meeting the requirements and procedures of drug and alcohol testing.

9-9:30 a.m. **Operator Qualifications: B31Q** – Warren Miller, Operations Supervisor, USDOT/PHMSA Central Region *Legion 1*
 This session will review the ASME B31Q Pipeline Personnel Qualification Standard and what it provides.

MORNING BREAK, 9:30-10 a.m.

9:30-10 a.m. **Refreshment and Networking Break**
Pactola & Sheridan Enjoy a morning snack while visiting the Exhibitor Showcase. Refreshments are provided by exhibitors and South Dakota’s local distribution companies: MidAmerican Energy, Montana-Dakota Utilities Co. and NorthWestern Energy.

CONCURRENT SESSIONS, 10-10:30 a.m.

- 10-10:30 a.m. **TIMP: Reauthorization San Bruno and Advisory Bulletins; What Does it Mean for your MAOP?** – DeWitt
Sylvan 1 Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA
This session will cover mandates set by Congress, recommendations promulgated by the NTSB, and PHMSA's actions to date and possibilities for a path forward.
- 10-10:30 a.m. **Drug & Alcohol: Operator Responsibilities, Contractor Programs** – Stanley Kastanas, Director, Office of
Sylvan 2 Substance Abuse Policy, Investigations and Compliance, USDOT/PHMSA
A review of various non-compliance issues associated with operators' monitoring efforts of contractors and subcontractors. Understanding the use of third party administrators in compliance efforts.
- 10-10:30 a.m. **Operator Qualifications: Contractor Procedures for Operators; AOCs** – Warren Miller, Operations
Legion 1 Supervisor, USDOT/PHMSA Central Region
An examination of issues with abnormal operating conditions (AOCs) and use of contractor procedures.

CONCURRENT SESSIONS, 10:30-11 a.m.

- 10:30-11 a.m. **TIMP: CIS Testing Importance to your TIMP Programs; Black Hills Power's Lessons Learned** – Sheila
Sylvan 1 Suurmeier, Generation Compliance Coordinator, Black Hills Corp.; Frank Hauk, Assistant Plant Manager, Black Hills Power; and Steve Coleman, Manager, Design Engineer, Black Hills Corp.
Even when your annual reviews show no problems, close interval surveys testing may find indications for a potential problem. Black Hills Power shares their discoveries and lessons learned about why testing is vital.
- 10:30-11 a.m. **Drug & Alcohol: Plans in Place** – Sheila Mennenga, HR/Risk Coordinator, Watertown Municipal Utilities
Sylvan 2 An insider's look at one utility's drug and alcohol program and improvements made during the last five years.
- 10:30-11 a.m. **Operator Qualifications: MidAmerican Energy, OQ Performance Improvement Process** – Anna Wing Pilcher,
Legion 1 Gas Technical Program Advisor, MidAmerican Energy Co.
This is a review of MidAmerican Energy Co.'s provisions that identify and assess improvement opportunities and implementation of those that will result in greater program effectiveness and an increased level of safety.

CONCURRENT SESSIONS, 11-11:30 a.m.

- 11-11:30 a.m. **TIMP: Best Practices & Examples on Implementing an MAOP Verification Program** – Eric Kirkpatrick,
Sylvan 1 Structural Integrity
Hear best practices and lessons learned from implementing MAOP verification efforts with multiple operators of gas transmission pipelines.
- 11-11:30 a.m. **Drug & Alcohol: Plans in Place** – Melinda Steckler, Employee Relations Manager, Montana-Dakota Utilities Co.
Sylvan 2 Learn about the best practices used at Montana-Dakota Utilities to ensure the company's drug and alcohol plan remains compliant and consistent across eight states.
- 11-11:30 a.m. **Operator Qualifications: Failure Investigations & Legal Issues** – Warren Miller, Operations Supervisor,
Legion 1 USDOT/PHMSA Central Region
Join a discussion about operator qualifications and failure investigations; what you need to know and do.

LUNCH BREAK, 11:30 a.m. - 1 p.m.

- 11:30 a.m. **Lunch Break – On your own**
– 1 p.m. Minerva's Restaurant at the Ramkota is open for lunch or visit any nearby eatery.

CONCURRENT SESSIONS, 1-2 p.m.

- 1-2 p.m. **Inspections: Preparation, Pitfalls & Recordkeeping** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA
Sylvan 1 The objective of this session is to assist operators in preparing for a successful and efficient inspection.
- 1-1:30 p.m. **Damage Prevention: One Call Updates** – Chad Olson, Director of Education & Public Relations, N.D. One Call;
Legion 2 Larry Janes, Executive Director, S.D. One Call; and Collens Wakefield, Executive Director, One Call of Wyoming
Leaders of state one call programs offer updates about the status of their respective programs.

- 1:30-2 p.m. **Damage Prevention: Mandatory Damage Reporting in Wyoming** – Collens Wakefield, Executive Director, One Call of Wyoming
Legion 2 Learn about mandatory reporting, positive response and changes to the Underground Facilities Act in Wyoming.
- 1-2 p.m. **Failure Investigation & Legal Issues: Pipeline Failure Analysis** – Dana Medlin, Engineering Systems, Inc.
Legion 1 This presentation will cover the basics of a failure analysis investigation of pipeline and distribution components. The fundamental aspects of metallurgical and polymer component failure analysis will be reviewed and several case studies will be presented. The presentation will describe the entire failure analysis investigation from the initial field assessment to laboratory testing. Issues such as corrosion, material defects, assembly, system design and maintenance will also be discussed.

FIELD TRIP, 1-3 p.m. (pre-registration required)

- 1-3 p.m. **Propane Air Mix Plant Field Trip**
 Tour participants will visit a propane/air mix plant owned and operated by Williston Basin Interstate Pipeline Co. near Ellsworth Air Force Base. The plant is an interruptible system that can quickly switch between natural gas and propane. This unique partnership between WBI and Ellsworth Air Force Base nets the base a cost savings of more than \$1 million annually. The plant will run to flare during the tour with a demonstration of the air compressor, pumping system and air/propane mixing process. Attendees will also see propane storage tanks, truck unloading facilities and the plant's control room. Tour bus departs from Convention Center II.

DRUG & ALCOHOL WORKSHOP, 1-5 p.m.

- 1-5 p.m. **Drug & Alcohol Workshop** – Stanley Kastanas, Director, Office of Substance Abuse Policy, Investigations & Compliance, USDOT/PHMSA
Sylvan 2 Participants will learn what is involved in a compliant drug and alcohol program that meets DOT/PHMSA requirements. The workshop is especially useful for those serving as a DER, TPA, government regulator, DOT compliance consultant, MIS report certifying official, MIS report preparer, organization manager, field supervisor, pipeline safety worker, specimen collector, BAT, or anyone involved in a substance abuse/misuse program.

CONCURRENT SESSIONS, 2-3 p.m.

- 2-3 p.m. **Inspections: How Operators are Selected for Inspections** – David Piroutek, Engineering Supervisor, Wyoming Public Service Commission; Aaron Morman, State Gas Safety Inspector/Program Manager, North Dakota Public Service Commission; Nathan Solem, Pipeline Safety Program Manager, South Dakota Public Utilities Commission
Sylvan 1 This session explains how each of the three states has adopted the PHMSA goal of inspections being scheduled based on relative risk. For example, for South Dakota, explanations are given regarding how all operators are inspected every year and how the number of inspection days for each operator is derived from basic risk calculations from annual report data.
- 2-3 p.m. **Damage Prevention: Pipeline Locating Techniques** – Richard Roen, Locators & Supplies
Legion 2 Discussion will focus on locating pipe/cable by methods of transmitter induction, clamp induction and direct connection. Included will be information regarding basis locating theory to include frequency and power selection for specific applications.
- 2-3 p.m. **Failure Investigation & Legal Issues: Dissection of an NTSB Investigation** – Dave Bull, Manager, ViaData
Legion 1 This program will discuss a pipeline incident investigated by the National Transportation Safety Board and the lessons learned from the incident. Methods and techniques for investigating gas related incidents will be discussed.

AFTERNOON BREAK, 3-3:30 p.m.

- 3-3:30 p.m. **Refreshment and Networking Break**
Pactola & Sheridan Grab some food and beverage and browse the Exhibitor Showcase. Refreshments are provided by exhibitors and South Dakota's local distribution companies: MidAmerican Energy, Montana-Dakota Utilities Co. and NorthWestern Energy. Please thank them!

CONCURRENT SESSIONS, 3:30-5 p.m.

- 3:30-4 p.m. **Inspections: Changes to Reporting Requirements** – DeWitt Burdeaux, Pipeline Safety Specialist, USDOT/PHMSA
Sylvan 1 Many PHMSA data collection requirements have changed in the last two years, with more to come. This session will cover those modifications.
- 3:30-4:30 p.m. **Failure Investigations & Legal Issues: Mandates, Enforcement, Federal-State Partnership** – James Pates, Assistant Chief Counsel for Pipeline Safety, USDOT/PHMSA
Legion 1 This session will focus on some of the legal issues raised by gas and liquid pipeline failures. Pipeline accidents, while relatively rare, are increasingly costly and generate ever-greater public scrutiny and litigation. Such events also serve, however, to focus attention on ways to improve public safety and protect the environment. This session will focus on three issues related to pipeline accidents: the legal obligations of a pipeline operator following an accident; PHMSA’s own policies and practices in issuing corrective action orders and conducting failure investigations; and civil and criminal enforcement actions arising out of accidents.
- 3:30-4:30 p.m. **Damage Prevention: Measuring Damage Prevention Efforts in Colorado** - J.D. Maniscalco, Executive Director, COLORADO 811
Legion 2 We’ll hear about Colorado’s data collection efforts and the effect on the state’s damage prevention councils.
- 4-5 p.m. **Inspections: Operator Top 10 Issues in South Dakota & Wyoming** – Nathan Solem, Pipeline Safety Program Manager, South Dakota Public Utilities Commission; David Piroutek, Engineering Supervisor, Wyoming Public Service Commission
Sylvan 1 This session presents the top inspection issues seen in each state during the recent past.
- 4:30-5 p.m. **Damage Prevention: Update** – Harold Winnie, Community Assistance and Technical Services Project Manager, PHMSA
Legion 2 This session will review the current PHMSA initiatives designed to engage all stakeholders throughout the nation in effort to reduce the risk of excavation damage to pipelines.